NEWS & COMMENT

R&D Budget: Growth in Hard Times 744
Foundations: Hughes to Add 49 New Investigators 746
National Science Foundation: Researchers Sue to Get Reviewer Names 747
Academy Warns Against Slipping Ethics 747
Genetic Engineering: Safety Concerns Halt U.K. Study 748
National Labs Under Review, Again 748
SSC Aftermath: Physicists Struggle for Consensus About the Future 749
The Message From CERN: Help Wanted 750
Chernobyl Explosion: Inside Look Confirms More Radiation 750
Glory Picture for Photo Astronomers 750
Methane Increase Put on Pause 751
Science Policy: U.S. Research Forum Fails to Find a Common Front 752

RESEARCH NEWS

Cell Suicide: By ICE, Not Fire 754
Solar Physicists Peer Into a Mysterious Furnace 756
Another Way to Light a Fire 758
Evolutionary Biology: Will Molecular Data Set the Stage for a Synthesis? 758
A New Portrait of Venus: Thick-Skinned and Decrepit 759
Why So Dry, Venus? 759

PERSPECTIVE

Protein-DNA Recognition: New Perspectives and Underlying Themes 769
P. H. von Hippel 769

ARTICLE

Population Policy Options in the Developing World 771
J. Bongaarts 771

RESEARCH ARTICLE

Coupling of Local Folding to Site-Specific Binding of Proteins to DNA 777
R. S. Spolar and M. T. Record Jr. 777

DEPARTMENTS

THIS WEEK IN SCIENCE 733
EDITORIAL 735
THE Path to Research Prioritization
LETTERS 737
NIH Neural Transplantation Fundung: H. Widner 738
• Alloimmunization to Prevent AIDS?: D. D. Kiprov, H. W. Sheppard, C. V. Hanson 739
• Astronomy: Of Fundamental Value: M. E. Bailey 743

SCIENCESCOPE 743
RANDOM SAMPLES 753
BOOK REVIEWS 837
The Golem, reviewed by U. Segerstråle 748
Flora of North America, R. Ornduff 749
Bacterial Conjugation, J. A. Shapiro 749
Dyslexia and Development, G. W. Hynd 750
Vignettes 750
Books Received 750

PRODUCTS & MATERIALS 844

Board of Reviewing Editors

John Abelson
Frederick W. Alt
Don L. Anderson
Michael Ashburner
Stephen J. Benkovic
David E. Bloom
Floyd E. Bloom
Piet Borst
Michael S. Brown
Henry R. Bourne
James J. Bull
Kathryn Calame
C. Thomas Caskey
Dennis W. Choi
John M. Coffin
Paul J. Crutzen
Robert Desmonde
Nicole Le Douarin
Bruce F. Eldridge
Paul T. Englund
Richard G. Fairbanks
Douglas T. Fearon
Harry A. Fozzard
K. Friedrich
Theodore H. Gebelein
Margaret J. Gelfer
John C. Gerhart
Roger I. M. Glass
Stephen P. Gold
Peter N. Goodfellow
Corey S. Goodman
Stephen J. Gould
Ira Herskowitz
Eric F. Johnson
Stephen M. Kosslyn
Michael LaBarbera
Charles S. Levinson III
Alexandar Levitbi
Harvey F. Lodish
Richard Losick
Diane Mathis
Anthony R. Means
Shigetada Nakashiri
Roger A. Nicoll
William H. Orme-Johnson III
Stuart L. Pinn
Yeshayahu Pocker
Dennis A. Powers
Ralph S. Quatrano
V. Ramanathan
Douglas C. Rees
T. M. Rice
Erkki Ruoslahti
David C. Rubie
Gottfried Schatz
Jozef Schell
Ronald H. Schwartz
Terrence J. Sejnowski
Ellen Solomon
Thomas A. Steitz
Michael P. Styrer
Richard F. Thompson
Robert T. N. Tjian
Emil R. Unger
Geerat J. Vermeij
Bert Vogelstein
Harold Varmus
Zena Werb
George M. Whitesides
Owen N. Witte
William A. Wulf
Keith Yamamoto

Downloaded from http://science.sciencemag.org on April 14, 2017
Gene expression in living cells is often difficult to detect because of limited access of substrates to marker enzymes. Here gene expression in specific neurons of the nematode Caenorhabditis elegans is monitored by the green fluorescent protein (GFP) from the jellyfish Aequorea victoria. The GFP fills entire neurons, including in one neuron an extended, fanned growth cone visible in the tail end (upper portion) of the nematode. See page 802. [Photo: Martin Chalfie]

REPORTS

Destruction Rate of H$_3^+$ by Low-Energy Electrons Measured in a Storage-Ring Experiment


Theoretical Evidence for a C$_{60}$ "Window" Mechanism
R. L. Murry and G. E. Scuseria

Suppression of Rupture in Thin, Nonwetting Liquid Films
R. Yerushalmi-Rozen, J. Klein, L. J. Fetters

The Timing of High Sea Levels Over the Past 200,000 Years
C. D. Gallup, R. L. Edwards, R. G. Johnson

Nanowire Array Composites

Green Fluorescent Protein as a Marker for Gene Expression

RNA Polymerase II Initiation Factor Interactions and Transcription Start Site Selection
Y. Li, P. M. Flanagan, H. Tschochner, R. D. Kornberg

Transcriptional Activation Modulated by Homopolymeric Glutamine and Proline Stretches

Promoter-Selective Transcriptional Defect in Cell Cycle Mutant ts13 Rescued by ltaFP1250
E. H. Wang and R. Tjian

Mapping the Lectin-Like Activity of Tumor Necrosis Factor

Mesodermal Patterning by a Gradient of the Vertebrate Homebox Gene goosecoid
C. Niehrs, H. Steinbeisser, E. M. De Robertis

Neuronal Activity During Different Behaviors in Aplysia: An Example of Chemical Organization

In Vivo Ca$_2^+$ Dynamics in a Cricket
Auditory Neuron: An Example of Chemical Computation
E. C. Sobel and D. W. Tank

Prevention of Vertebrate Neuronal Death by the crmA Gene

AAAS Board of Directors

F. Sherwood Rowland
Retiring President, Chairman
Eliose E. Clark
President
Francisco J. Ayala
President-elect
Robert A. Froh
c
Florence P. Haseltine
William A. Lester, Jr.

Indicates accompanying feature

823
Computing cricket chirps with calcium

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

Cover

Gene expression in living cells is often difficult to detect because of limited access of substrates to marker enzymes. Here gene expression in specific neurons of the nematode Caenorhabditis elegans is monitored by the green fluorescent protein (GFP) from the jellyfish Aequorea victoria. The GFP fills entire neurons, including in one neuron an extended, fanned growth cone visible in the tail end (upper portion) of the nematode. See page 802. [Photo: Martin Chalfie]
Editor's Summary

This copy is for your personal, non-commercial use only.

**Article Tools**  Visit the online version of this article to access the personalization and article tools:
http://science.sciencemag.org/content/263/5148

**Permissions**  Obtain information about reproducing this article:
http://www.sciencemag.org/about/permissions.dtl