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Why So Dry, Venus?

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Protein-DNA Recognition: New Perspectives and Underlying Themes

P. H. von Hippel

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Population Policy Options in the Developing World

J. Bongaarts

RESEARCH ARTICLE

Coupling of Local Folding to Site-Specific Binding of Proteins to DNA

R. S. Spolar and M. T. Record Jr.
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$_4^+$ 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. Yershalmi-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 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 hTAF$_{12}$/250**
  E. H. Wang and R. Tjian

- **Mapping the Lectin-Like Activity of Tumor Necrosis Factor**

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

- **Neuronal Activity During Different Behaviors in Aplysia: A Distributed 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 cmrA Gene**

- **Computing cricket chirps with calcium**

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