This Week in Science

LETTERS

EDITORIAL
Technologies for Clean Use of Coal

ARTICLES
Geochemical Exploration for Petroleum: L. Horvitz
Graphical Perception and Graphical Methods for Analyzing Scientific Data: W. S. Cleveland and R. McGill

NEWS AND COMMENT
Unesco: A Glimmer at the End of the Tunnel?
U.S. Promise Falls Through
New Group Targets Political Bias on Campus
Briefing: Vacuum Ultraviolet Synchrotron Confusion; Administration Divided Over OECD Biotech Plan; Plan to Bar Funding to Pennsylvania Laboratory; Memo Sets Policy for “Star Wars” Publications
The Last Days of the Wild Condor?

RESEARCH NEWS
A Crystalline View of Protein-DNA Binding
Tracking a Stormy Beast in the Night ........................................ 848
Novel Protein/Membrane Attachment ........................................ 850

BOOK REVIEWS

The Transforming Principle, reviewed by R. Olby; Social Organization of Medical
Work, P. Conrad; Oscillations and Traveling Waves in Chemical Systems,
R. Kapral; Books Received .................................................. 851

REPORTS
Climate Response Times: Dependence on Climate Sensitivity and Ocean Mixing:
J. Hansen et al. ........................................................................ 857
Acid Deposition, Smelter Emissions, and the Linearity Issue in the Western
United States: M. Oppenheimer, C. B. Epstein, R. E. Yuhne .................. 859
Stereostructure of the Archaeabacterial C_{40} Diol: C. H. Heathcock,
B. L. Finkelstein, T. Aoki, C. D. Foulter ...................................... 862
Chronology of Guittarrero Cave, Peru: T. F. Lynch, R. Gillespie,
J. A. J. Gowlett, R. E. M. Hedges ............................................ 864
A Macrophage Factor Inhibits Adipocyte Gene Expression: An In Vitro Model of
Cachexia: F. M. Torti, B. Dieckmann, B. Beutler, A. Cerami,
G. M. Ringold ............................................................................. 867
Passive Immunization Against Cachectin/Tumor Necrosis Factor Protects Mice
from Lethal Effect of Endotoxin: B. Beutler, I. W. Milsark, A. C. Cerami...... 869
Morphological Novelty in the Limb Skeleton Accompanies Miniaturization in
Salamanders: J. Hanken ............................................................. 871
Relation of Spectral Types to Oil Droplets in Cones of Turtle Retina:
T. Ohtsuka ................................................................................ 874
Infection of the Basal Ganglia by a Murine Coronavirus: P. S. Fishman et al. ..... 877
Depolarization and Muscarinic Excitation Induced in a Sympathetic Ganglion by
Vasoactive Intestinal Polypeptide: M. Kawatani, M. Rutigliano,
W. C. de Groat ............................................................................. 879

COVER
Fluorescent micrograph of a red-sensitive single cone containing a red oil
droplet in the retina of the red-eared turtle (Pseudemys scripta elegans). The spectral sensitivity of each photo-
receptor was recorded in the eyecup preparation, and then Lucifer yellow was ionophoretically injected. The yel-
low fluorescent ring around the red oil droplet is seen as a corona. The color of the oil droplet could be correlated
with the three chromatic types of cones. See page 874 (Teruya Ohtsuka, Department of Information Physiology,
National Institute for Physiological Sciences, Okazaki, Japan)