NEWS & COMMENT

DOE Labs: Is Evolution Enough?
Small Labs Make Big Targets
Ariane Failure Casts Shadow
Over ESA’s Science Program
IVF Project Stirs Debate Over
How to Preserve Pandas
Civil War Leaves Once-Proud
Georgian Science in Tatters
Observatory Fades Away in Splendid
Isolation

RESEARCH NEWS

Gene Linked to Commonest Cancer
Ice Bubbles Confirm Big Chill
Simple Mice Test Antibody
Complexity
Did Neandertals Lose an
Evolutionary “Arms” Race?
Bose-Einstein Condensates
Display Their First Tricks
Galileo Suggests Deep Roots to
Jupiter’s Fierce Winds
Distant Universe: Precocious
Structures Found

DEPARTMENTS

THIS WEEK IN SCIENCE
EDITORIAL
Science Policy in Japan
H. Hayashida
LETTERS
Respect for the RAC: E. Paren • Exhilarating
Editorial: V. J. Licata; C. Clark; N. Landau; W. C.
Dewey • Nesting Dinosaur: A. Foduccia, L. D. Martin,
J. E. Simmons • Benefit-Cost Analysis and the Envi-
ronment: J. F. Kasting and P. A. Schultz; K. J.
Arrow et al. • Loco Cow Logo: G. M. Zu Rhein

PERSPECTIVES

Nonequilibrium Structures in
Condensed Systems
A. S. Mikhailov and G. Ertl

Polar Clouds and Sulfate Aerosols
M. A. Tolbert

Bacteria Also Vote
D. Kaiser

Molybdenum Bolsters the
Bioinorganic Brigade
E. I. Stiefel

ARTICLE

Spatial Response of Mammals to Late
Quaternary Environmental Fluctuations
FAUNMAP Working Group: R. W. Graham,
E. L. Lundelius Jr., M. A. Graham, E. K.
Schroeder, R. S. Toomey III, E. Anderson, A. D.
Barnosky, J. A. Burns, C. S. Churcher, D. K.
Grayson, R. D. Guthrie, C. R. Harington, G. T.
Jefferson, L. D. Martin, H. G. McDonald, R. E.
Morlan, H. A. Semken Jr., S. D. Webb,
L. Werdelin, M. C. Wilson

RESEARCH ARTICLES

Structural Analysis of Substrate Binding
by the Molecular Chaperone Dnak
X. Zhu, X. Zhao, W. F. Burkholder, A.
Gragorov, C. M. Ogata, M. E. Gottesman, W.
Hendrickson

SCIENCE • VOL. 272 • 14 JUNE 1996
The Drosophila wing imaginal disc (~300 micrometers wide) is divided into two populations of cells: those expressing the signaling protein Hedgehog (Hh) (posterior, stained red) and those responsive to Hh (to the left). The zinc-finger protein Cubitus interruptus in anterior cells (stained green) maintains this difference between the populations by preventing the production of, and conferring competence to, the Hh signal. See page 1621 and the related report (page 1668) and News story (page 1583). [Image: M. Dominguez, M. Brunner, E. Hafen, and K. Basler]