NEWS & COMMENT

Earthly Politics Boosts Space Probe
NRC Urges Sea Change in Marine Studies
Federal Budget: House Panel Home
In on NIH
Panel Clears NIH in Patient Deaths
Dinosaur Embryos Spark
Excitement, Concern
Uganda Enlists Locals in the Battle to
Save the Gorillas
Fisher Given New Role in Cancer Project
WHO Calls for Action Against TB
Fossil Dealers Innocent—and Guilty

RESEARCH NEWS

Focusing on the eyeless Gene
Searching for the Spin of the Proton

DEPARTMENTS

THIS WEEK IN SCIENCE
EDITORIAL
LETTERS

NAS Management of RERF: E. W. Colglazier and S. H. Woolsey; P. J. Seligman
Crankcase Art?: D. J. Bibel

BACKGROUND

A Close Look at an Active Galaxy’s Engine
Tuning Up an Electromagnetic Accent
Environmental Toxicants Under Scrutiny at Baltimore Meeting
Coral Chemistry Leads to Human Bone Repair
Connexin Knockout Provides a Link to Heart Defects

PERSEVERES

Unification of Synchrotron Radiation and Inverse Compton Scattering
W. H. G. Lewin, D. P. Barber, P. Chen
A Rising STAR: An Essential Role in Cholesterol Transport
M. R. Waterman

ARTICLE

Tyrosine Kinase Inhibition:
An Approach to Drug Development
A. Levitke and A. Garit

DEPARTMENTS

RANDOM SAMPLES
Ethnic Archives • Notes From the Valley of Kings
Help for E.T. Search • Brain Trust • Bass Poachers Hooked by Bug • Money Isn’t Everything • Mme. Curie Arrives

BOOK REVIEWS
Marie Curie, reviewed by R. L. Sime
Among Thieves, R. G. Klein
Other Books of Interest, P. Forman
Vignettes • Books Received

PRODUCTS & MATERIALS

1756
The project that won’t die
Head of a fruit fly, *Drosophila melanogaster*, viewed by scanning electron microscopy (approximate magnification, ×380). Targeted expression of the *eyeless* gene induced the formation of eye facets on the antenna (to the lower right of the eye), which are very similar to the facets of the normal eye, identifying *eyeless* as the master control gene of eye morphogenesis. See page 1788 and the News story on page 1766. [Photo: Andreas Hefi and Georg Halder]

**RESEARCH ARTICLE**

Induction of Ectopic Eyes by [1788]

Targeted Expression of the *eyeless* Gene in *Drosophila*

G. Halder, P. Callaerts, W. J. Gehring

**REPORTS**

Properties of Metallic Nanowires: From Conductance Quantization to Localization


Skeletal Repair by in Situ Formation of the Mineral Phase of Bone


Spontaneous Magnetic Ordering in the Fullere Charge-Transfer Salt (TDAE)C60

A. Lappas, K. Prassides, K. Vavekis, D. Arcon, R. Blinc, P. Cevc, A. Amato, R. Feyerherm, F. N. Gygi, A. Schenck

Kinetics of Conversion of Air Bubbles to Air Hydrate Crystals in Antarctic Ice

P. B. Price

Dike Injection and the Formation of Megaplumes at Ocean Ridges

R. P. Lowell and L. N. Germanovich

Diverse Effects of the Guanine Nucleotide Exchange Factor RCC1 on RNA Transport

Y. Cheng, J. E. Dahlberg, E. Lund

Effect of Predators and Area on Invasion: An Experiment with Island Spiders

T. W. Schoener and D. A. Spiller

Demonstration of Positionally Disordered Water Within a Protein Hydrophobic Cavity by NMR


DNA Topoisomerase and Recombinase Activities in Nae I Restriction Endonuclease

K. Jo and M. D. Topal

Pathogenicity of Live, Attenuated SIV

After Mucosal Infection of Neonatal Macaques

T. W. Baba, Y. S. Jeong, D. Penninck, R. Bronson, M. F. Greene, R. M. Ruprecht

Switch Transcripts in Immunoglobulin Class Switching

M. Lorenz, S. Jung, A. Radbruch

Role of Steroidogenic Acute Regulatory Protein in Adrenal and Gonadal Steroidogenesis


Cardiac Malformation in Neonatal Mice Lacking Connexin43


Kinetin, an Essential Anchor for Kinesin-Driven Vesicle Motility

J. Kumar, H. Yu, M. P. Sheetz

1/f Noise in Human Cognition

D. L. Gilden, T. Thornton, M. W. Mallon