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The project that won't die

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Fossil Dealers Innocent—and Guilty

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Searching for the Spin of the Proton

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Tuning Up an Electromagnetic Accordion
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Coral Chemistry Leads to Human Bone Repair
Connexin Knockout Provides a Link to Heart Defects

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Head of a fruit fly, *Drosophila melanogaster*, viewed by scanning electron microscopy (approximate magnification, x380). 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**

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

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

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**Properties of Metallic Nanowires: From Conductance Quantization to Localisation**


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


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**Dike Injection and the Formation of Megaplumes at Ocean Ridges**

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


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**Role of Steriodogenic Acute Regulatory Protein in Adrenal and Gonadal Steroidogenesis**


**Cardiac Malformation in Neonatal Mice Lacking Connexin43**


**Kinectin, an Essential Anchor for Kinesin-Driven Vesicle Motility**

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**1/f Noise in Human Cognition**

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

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