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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]

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Change of address: allow 6 weeks, giving old and new addresses and 11-digit account number. Postmaster: Send change of address to Science, P.O. Box 2033, Marion, OH 43305-2033. Single copy sales: $7.00 per issue prepaid includes surface postage; bulk rates on request. Authorization to photocopy material for internal or personal use under circumstances not falling within the fair use provisions of the Copyright Act is granted by AAAS to libraries and other users registered with the Copyright Clearance Center (CCC) Transactional Reporting Service, provided that the base fee of $1 per copy plus $.10 per page is paid directly to CCC, 27 Congress Street, Salem, MA 01970. The identification code for Science is 0036-8075/95/24 $1 + .10. Science is indexed in the Reader's Guide to Periodical Literature and in several specialized indexes.

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**SCIENCE** • VOL. 267 • 24 MARCH 1995

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