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**COVER** Adult mudpuppy (*Necturus maculosus*). This large aquatic salamander has been used frequently in physiological studies because cells throughout its body are exceptionally large. The eyes of this animal are used to show that glial cells in the retina normally buffer light-evoked changes in intraretinal potassium concentration. See page 578. [Photograph by W. B. Pavlik, Department of Psychology, University of Georgia].

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