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559 Long-Range Electronic Perturbations Caused by Defects Using Scanning Tunneling Microscopy: H. A. Mizes and J. S. Foster
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].

562 Detection of $C_5$ in the Circumstellar Shell of IRC$+10216$: P. F. BERNATH, K. H. HINKLE, J. J. KEADY


566 API/jun Function Is Differentially Induced in Promotion-Sensitive and Resistant JB6 Cells: L. R. BERNEST and N. H. COLBURN


572 MHC Polymorphism and T Cell Specificities: S. ROY, M. T. SCHERER, T. J. BRINER, J. A. SMITH, M. L. GEPFET


578 Spatial Buffering of Light-Evoked Potassium Increases by Retinal Müller (Glial) Cells: C. J. KARWOSKI, H.-K. LU, E. A. NEWMAN

580 Diffusible Factors Essential for Epidermal Cell Redifferentiation in Catharanthus roseus: B. A. SIEGEL and J. A. VERBEKE

582 Commitment of Mouse Fibroblasts to Adipocyte Differentiation by DNA Transfection: S. CHEN, L. C. TEICHER, D. KAZIM, R. E. POLLACK, L. S. WISE

585 Synaptic Connections in Vitro: Modulation of Number and Efficacy by Electrical Activity: P. G. NELSON, C. YU, R. D. FIELDS, E. A. NEALE

588 1990 Annual Meeting: Call for Poster Papers

590 Proceedings of a Workshop on Optical Surveys for Quasars, reviewed by D. C. KOO

592 Seabed Pockmarks and Seepages, K. A. KVENVOLDEN

593 The Bioinorganic Chemistry of Nickel, M. K. JOHNSON

594 Some Other Books of Interest

595 Books Received
Editor's Summary

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