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Cover picture: Computer simulations of spontaneous waves of bursty activity propagating through the ganglion cell layer of developing retinas. The simultaneous activation of two spatially separated groups of ganglion cells at the layer's border results in colliding and annihilating waves. The extracellular potassium concentration, shown in the first sequence of frames, rises up to 10 mM, following extrusion of this ion from the bursting cells. This concentration is about four times the resting concentration, visible in *green.* Such increase in potassium concentration depolarizes neighbor ganglion cells, causing them to fire (and to release more potassium) as shown in the second sequence of frames. Time step between frames is 1 sec, and the corresponding physical dimensions of this 241 ganglion cell layer are 364 μm for the width and 240 μm for the height. See Burgi and Grzywacz, pp. 7426–7439.

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Instructions for Authors appear at the end of the February 1994 issue. Copies of the Instructions can be obtained by writing to Diane M. Sullenberger, *The Journal of Neuroscience,* Society for Neuroscience, 11 Dupont Circle, N.W., Suite 500, Washington, D.C. 20036 (202-462-6688; fax 202-462-1547; e-mail jn@sfn.org). Submissions should be sent to the above address. Scientific inquiries concerning manuscripts can be made directly to Dr. David C. Van Essen, Editor-in-Chief, *The Journal of Neuroscience,* Department of Anatomy & Neurobiology, Washington University School of Medicine, 660 South Euclid Avenue, St. Louis, MO 63110 (314-362-2721; fax 314-362-2734; e-mail JNEUROSCI@THALAMUS.WUSTL.EDU).

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