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On the Cover: Noninvasive examination of longitudinal CNS axonal degeneration can reveal both sides of an injury by *in vivo* imaging. Axonal loss (area radiating from center at 10 O'clock) was confirmed by confocal scanning laser ophthalmoscopy on retinal whole-mounts at 21 days after axotomy. The retinal whole-mount is immunostained for neurofilaments (green) and isolectin B4 (blue). The red overlay shows polarization-sensitive imaging of the same field. (See page 62.)

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