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COVER

Right compound eye of the giant land crab Cardisoma, borne distally on the anterolateral surface of a movable eyestalk. Polarized light perception apparently depends on minute two-channel analyzers beneath each of the thousands of facets. In these retinal filters, molecules of visual pigment would serve both as photon absorbers and dichroic analyzers (scale: eyestalk diameter, 4 to 5 millimeters; facet diameter, 20 microns). See page 467. [T. H. Waterman and K. W. Horch, Yale University]
Editor's Summary