Cover: The eye of a cuttlefish Sepia apama with unusual pupil shape typical of many cephalopods. Two papers by Talbot and Marshall in this issue (pp. 3364–3370 and pp. 3371–3377) demonstrate the sensitivity of both cuttlefish and squid to polarised light. By using large-field stimuli, where the stimulus contrast is only visible to an animal with polarisation sensitivity, Talbot and Marshall show optokinetic and optomotor behaviour in these marine invertebrates.

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