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COVER

Nocturnal sand-dwelling scorpion (Paruroctonus mesaeensis) exhumes burrowing cockroaches it locates by sensing compressional and surface waves generated by the prey’s movements in sand. Photograph was taken under ultraviolet light at night. See page 479. [P. Brownell, D. McFarland, and R. Farley, University of California at Riverside]