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COVER

Masked water strider (Gerris remigis) with a samarium-cobalt magnet glued to its right foreleg. A computer-generated surface wave signal of ≈ 90 waves per second (highlighted by color bands) is imitating the male’s signal through vertical oscillations of the magnet, which is driven by electromagnetic fluctuations from an encircling wire coil. Males can discriminate sex solely by presence or absence of this signal (body length of insect, about 14 millimeters). See page 1325. [R. Stimson Wilcox, State University of New York, Binghamton]