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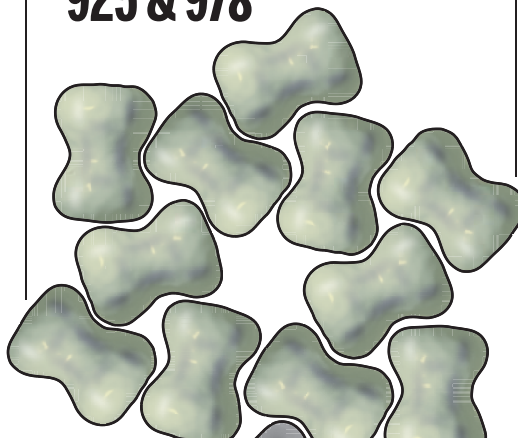
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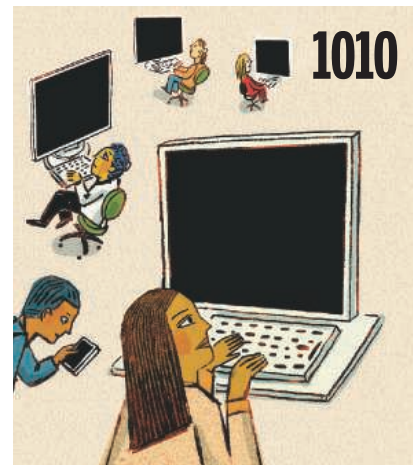
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ON THE COVER

An oval squid (*Sepioteuthis lessoniana*) hovers in a nighttime sea, displaying its natural iridescence. This species is among those informing new insights into molluscan evolution. The extreme diversity in the phylum Mollusca—which includes squids, chitons,



snails, clams, and others—has long puzzled scientists. Sequencing previously uncharacterized genomes helps to resolve the molluscan family tree. See page 1001. *Photo: Magnus Lundgren/Minden*

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