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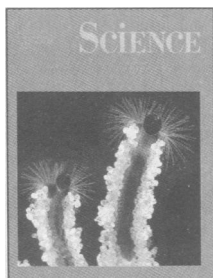
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**COVER** Adult reef-building marine polychaetes (*Phragmatopoma lapidosa californica*) that have built sand tubes against a pane of glass. Planktonic larvae of these worms settle when they contact adult tube sand, a response that is facilitated by chemical and hydrodynamic processes. See page 421. [Photograph by Joseph R. Pawlik, University of North Carolina at Wilmington]

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