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**Cover**

*Sebastolobus alascanus.* The muscle-type lactate dehydrogenase of this scorpionid fish is markedly more sensitive to moderate hydrostatic pressures than is the homologous enzyme of its deeper-living congener, *Sebastolobus altivelis.* Such pressure-adaptive differences may be important in establishing species depth zonation patterns in the sea. See page 255. [Thomas W. Okita, Scripps Institution of Oceanography, University of California, San Diego]