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COVER

Female Weddell seal and her pup lying on the ice of McMurdo Sound, Antarctica. These animals are the most southerly ranging mammals and spend much of the year beneath the ice. When on land, thermoregulation, by dissipation of heat, is aided by the high density of arteriovenous anastomoses which occur superficially in the skin. See page 1100. [R. A. Tedman, University of Queensland, St. Lucia, Brisbane, Australia]