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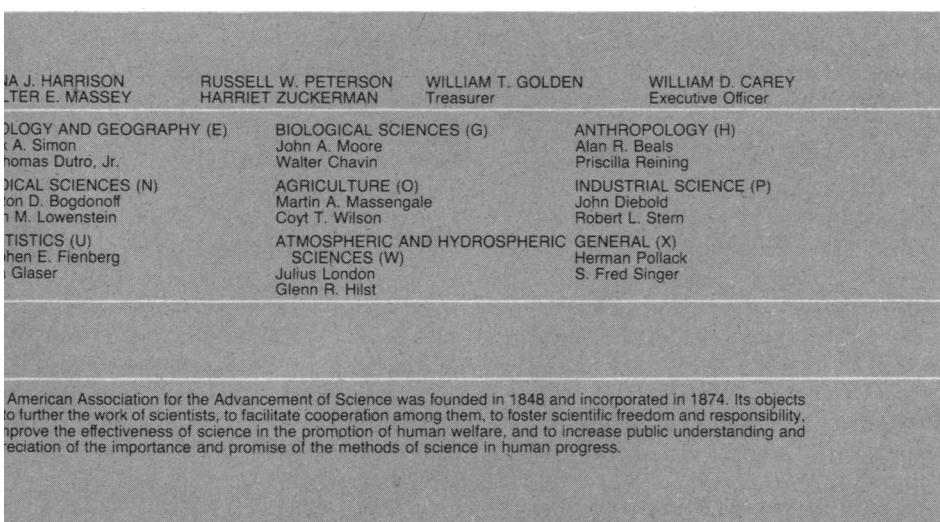
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COVER

Antarctic Weddell seal (*Leptonychotes weddelli*) initiating a dive under the ice shelf near Ross Island, Antarctica. The length of diving depends on regulated blends of anaerobic and aerobic metabolism in different tissues and organs. See page 509. [R. Davis, Scripps Institution of Oceanography, La Jolla, California]

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