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Technical Reports - 1988

WHOI 88- 1 Putnam, Susan S.

Reference database marine mammal literature. Jan 1988. 82p. NTIS NO. PB89-204 549/AS.

WHOI 88- 3 Kaminski, Michael A.

WHOI 88- 4 Goud, Margaret Redding.

WHOI 88- 5 Brigham, Lawson W. and Ellen M. Gately.

WHOI 88- 6 Kito-Powell, Hauke.

Hydrographic data from R/V ENDEAVOR Cruise #143. Mar 1988. 118p. NTIS NO. PB89-204 382/AS.

Ponte, Rui Vasques de Melo.

Waongne, Sophie.

Wengrovitz, Michael S.

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Surface-wave data acquisition and dissemination by VHF packet radio and computer networking. Apr 1988. 113p. NTIS NO. AD-A197 547.

Malkus, William V. R. and Mary Evans Berry.
Catipovic, Josko A.

Willey, Joanne M.

Casey, Kevin D.

Dean, Jerome P. and Robert C. Beardsley.

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Hydrographic data from RV ENDEAVOR Cruise 129. Sep 1988. 111p. NTIS NO. PB89-204 556/AS.


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