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The Seamount as a Diffracting Body

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THE SEAMOUNT AS A DIFFRACTING BODY

by

H. Medwin and R. Spaulding
U.S. Naval Postgraduate School
Monterey, Ca., U.S.A.

ABSTRACT

Diffraction over a seamount has been studied by construction of a three-dimensional physical model of Dickens seamount. When laboratory diffraction and scattering data for air are scaled to the ocean and added to ray refraction losses at sea there is excellent agreement with ocean experiments reported by Ebbeson et al <J. Acoust. Soc. Am. 64, S76 (1978)>.

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NORTH ATLANTIC TREATY ORGANIZATION

SACLANT ASW Research Centre ✓
Viale San Bartolomeo 400, I-19026 San Bartolomeo (SP), Italy.

tel: national 0187 560940
international + 39 187 560940

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