

## SOUND PROPAGATION IN SEA WATER

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### *IHB Note*

*We are grouping under this general heading several articles which may help hydrographers to extend their knowledge of the propagation of acoustic waves in a sea environment as well as of the use of acoustic systems moored on the sea bottom for determining the position of sunken vehicles.*

*The first article, written by W.A. TYRRELL, deals mainly with propagation. This study is of interest to anyone who might wish to use acoustic methods for carrying out surveys at sea.*

*The second article, written by F.N. SPIESS, Michael S. LOUGHRIDGE, Maurice S. McGEHEE and D.E. BOEGEMAN, concerns a set of acoustic transponders devised by the Marine Physical Laboratory, Scripps Institution of Oceanography, San Diego, California, U.S.A. The operation of the system as well as the uses to which it may be put are briefly explained.*

*Excerpts from an article by F.N. SPIESS, supplying further information, are given as an appendix to this second article. Among other subjects is treated the accuracy with which the position of a sunken vehicle can be determined from a network of planted acoustic transponders.*