

Propagation of Sound in the Ocean
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CONTENTS

Propagation of Sound in the Ocean was first published as Memoir 27 by The Geological Society of America. Five additional papers have been added to the 2000 edition.

Contents of the 2000 Edition are as follows:

Explosion Sounds in Shallow Water

by J. Lamar Worzel and Maurice Ewing
Columbia University, New York, N.Y.
October 15, 1948

Theory of Propagation of Explosive Sound in Shallow Water

by C.L. Pekeris
Department of Applied Mathematics
The Weizmann Institute, Rehovoth, Israel
October 15, 1948

Long-Range Sound Transmission

by Maurice Ewing and J. Lamar Worzel
Columbia University, New York, N.Y.
October 15, 1948

The following additional articles have been added to the 2000 Edition

Theory of Propagation of Sound in a Half-Space of Variable Sound Velocity Under Conditions of Formation of a Shadow Zone," C.L. Pekeris, Journal of the Acoustical Society of America, Volume 18, Number 2, October 1946

Note on the Scattering of Radiation in a Inhomogeneous Medium, C.L. Pekeris, Physical Review, Volume 71, No. 4, February 15, 1947

The T Phase of Shallow-Focus Earthquakes, Ivan Tolstoy and Maurice Ewing, Bulletin of the Seismological Society of America, Volume 40, 1950

Dispersive Properties of a Fluid Layer Overlying a Semi-Infinite Elastic Solid, Ivan Tolstoy, Bulletin of the Seismological Society of America, Volume 44, Number 3, July 1954

Ray Theory Solution of the Problem of Propagation of Explosive Sound in a Layered Liquid, Chiam Pekeris and Ivor M. Longman, Journal of the Acoustical Society of America, Volume 30, Number 4, April 1958

Shallow Water Test of the Theory of Layered Wave Guides, I. Tolstoy, Journal of the Acoustical Society of America, Volume 30, Number 4, April 1958