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BIBLIOGRAPHY OF TROPOSPHERIC RADIO WAVE SCATTERING

BY

RICHARD L. ABBOTT

U. S. DEPARTMENT OF COMMERCE
NATIONAL BUREAU OF STANDARDS
THE NATIONAL BUREAU OF STANDARDS

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Information on the Bureau's publications can be found in NBS Circular 160. Publications of the National Bureau of Standards ($1.25) and its Supplement ($1.50), available from the Superintendent of Documents, Government Printing Office, Washington 25, D.C.
Bibliography of Tropospheric Wave Scattering

by

Richard L. Abbott

NBS Technical Notes are designed to supplement the Bureau's regular publications program. They provide a means for making available scientific data that are of transient or limited interest. Technical Notes may be listed or referred to in the open literature. They are for sale by the Office of Technical Services, U. S. Department of Commerce, Washington 25, D. C.
"Bibliography of Tropospheric Radio Wave Scattering"

This bibliography emphasizes tropospheric scattering of radio waves by turbulence-induced inhomogeneities of the dielectric constant (local wave velocity in the atmosphere). Papers on related topics such as turbulence theory and measurements, statistics, instrumentation, and some papers on sound scattering are also included. Papers on radio meteorology are generally excluded, unless they bear directly on the reduction of scattering data.

This bibliography covers material up to about January 1960. Some recent publications are missing because of the time lag between the dates of journals and their receipt, or because laboratory reports of various organizations often reach other laboratories after a year or more. It is regretted that some internal reports cannot be listed until they become formal publications.

Papers are ordered by year of publication and indexes by author and subject are included. Generally, publications on the same topic will be found close together in the body of the bibliography.
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