

PROCEEDINGS OF NINTH CONFERENCE  
ON  
**COASTAL ENGINEERING**

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## ACKNOWLEDGMENTS

At the suggestion of the late Professor Boris A Bakhmeteff, the Council on Wave Research was formed in 1950 under the Engineering Foundation. At intervals thereafter the Council has cosponsored with various societies, universities, and governmental agencies throughout the world several international conferences on coastal engineering. The purpose of these conferences has been to bring together both engineers and scientists of many disciplines for an exchange of information and thereby delineate fruitful research areas in the general field of coastal engineering. In 1964 the Council on Wave Research transferred its activities to the American Society of Civil Engineers and became the Coastal Engineering Research Council. Thus, the Ninth Conference on Coastal Engineering was cosponsored by this new Council and the Laboratório Nacional de Engenharia Civil in Lisbon, Portugal.

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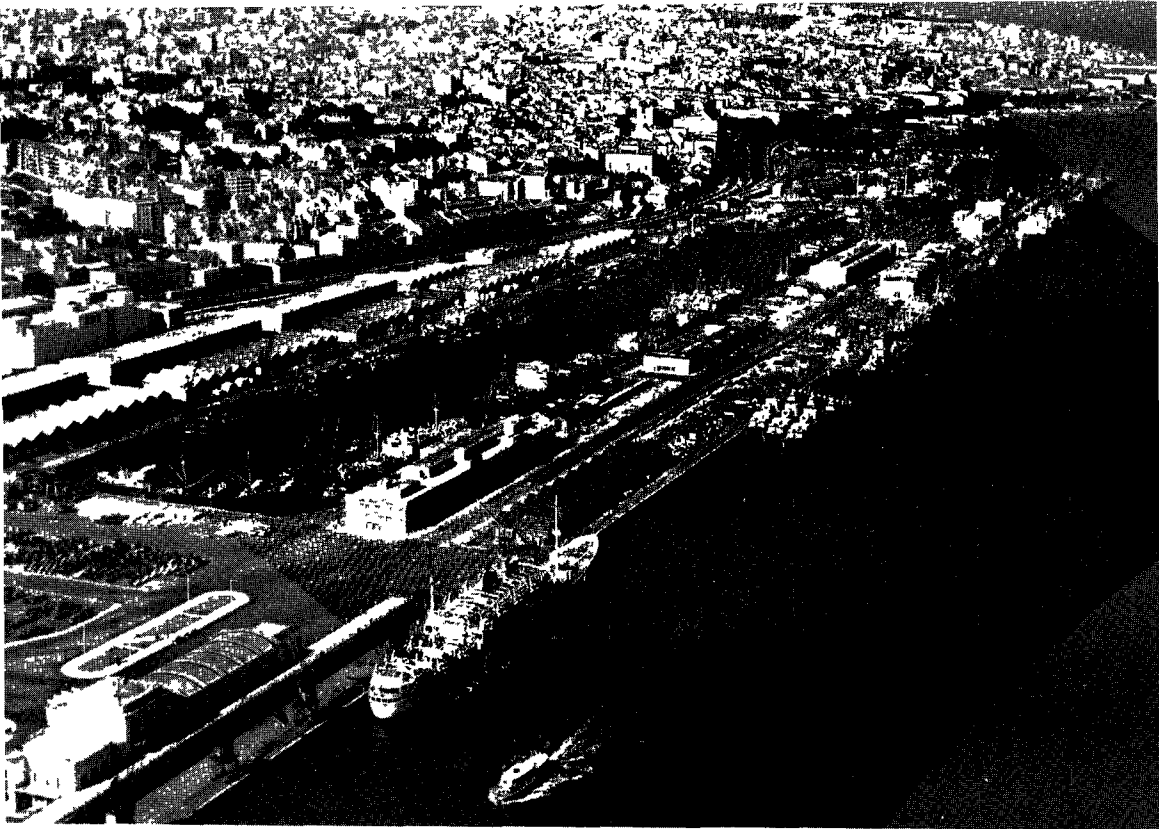
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Part 1

THEORETICAL AND OBSERVED WAVE CHARACTERISTICS

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