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Wind action on structures

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WIND ACTION ON STRUCTURES

ANALYZED

by

J. D. McCrea

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NOTE

This bibliography contains a listing of the pertinent papers reviewed during the literature survey conducted for the Division's project "Wind Action on Structures".

Although this bibliography is not issued as a complete review of published studies in this field, it is thought that it presents a representative cross-section of available literature. Another source of published work is the Engineering and Applied Science indexes. Pertinent references will also be found in the bibliographies appended to the individual references.

The majority of the published works in this field have been the result of studies completed in the twentieth century. Because of this, it is generally thought that such investigations comprise a relatively new field of study. It is interesting to note, however, that useful works were published as early as 1759 by J. Smeaton in the Philosophical Transactions of the Royal Society of London.

From the papers reviewed, it was found that a wide divergence of views were held on many aspects of the problem of wind action on structures. One point appeared to be particularly controversial -- that concerning scale effect -- an important factor when applying model test results to actual full-scale conditions.

It is hoped by the Division that this bibliography will assist in some way those interested in this field of study.

DIVISION OF BUILDING RESEARCH • NATIONAL RESEARCH COUNCIL • OTTAWA, CANADA

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December, 1952

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A BIBLIOGRAPHY ON THE WIND ACTION ON STRUCTURES

by

J. D. McCrea

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