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PERFORMANCE OF EARTH AND EARTH-SUPPORTED STRUCTURES

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FOREWORD

In February of 1958 the Executive Committee of the Soil Mechanics and Foundations Division, ASCE, appointed a Task Committee—with W. J. Turnbull as chairman—to organize a national conference on the shear strength of cohesive soils. A series of "Specialty Conferences" ensued, as follows:

- 1960 UNIV. OF COLORADO
Research Conference on Shear Strength of Cohesive Soils
- 1964 NORTHWESTERN
Design of Foundations for Control of Settlement
- 1966 UNIV. OF CALIF. AT BERKELEY
Stability and Performance of Slopes and Embankments
- 1968 MIT
Placement and Improvement of Soil to Support Structures
- 1970 CORNELL
Lateral Stresses in the Ground and Design of Earth-Retaining Structures

A Task Committee consisting of M. S. Kapp, R. I. Kaufman, G. A. Leonards, S. D. Wilson and T. W. Lambe (subsequently F. E. Richart) was appointed in February 1969 to plan a conference on the "Performance of Earth Structures and Earth-Supported Structures" to be held at Purdue University in June of 1972. Early in the planning process the Committee decided to emphasize observed behavior of full-scale structures, and papers reporting the results of field measurements were solicited. Papers accepted for the Conference are pre-printed in this volume.

Five half-day technical sessions will be held:

- I. Embankments on Soft Ground
- II. Earth and Earth-Rockfill Dams
- III. Shallow Foundations
- IV. Deep Foundations
- V. Soil-Structure Interaction

Session leaders have been appointed to prepare reports on each session topic, focusing on a critical analysis of the papers in relation to the present state of the art. The session leaders' reports will be preprinted and distributed to registrants for the Conference.

Panels will discuss the session leaders' reports, establish areas of agreement, and debate conflicting viewpoints. Reporters have been assigned to synthesize panel deliberations and discussions from the floor.

The final volume of proceedings, to be published at a later date, will include the reporters' summaries, formal discussions, and additional written contributions.

G. A. Leonards
Chairman, Task Committee

Lafayette, Indiana
April, 1972