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Thomas Fluhr and Robert F. Legget, *Editors*



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is made possible  
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## *Foreword*

Applications of geology in the practice of engineering are developing so rapidly, and the relevant literature is already so extensive, that the Division on Engineering Geology of The Geological Society of America considers the publication of Review Volumes in its assigned field to be timely and desirable. With the approval of the Council of the Society, and after four years of careful preparation, this first volume of review papers is therefore published, initially for the use of members of the Division but in the hope and with the expectation that it will prove to be of rather wider interest and use. Further volumes of the same type are already being planned; should they prove to be acceptable, publication of a series on an annual basis might eventually be achieved.

It has been found in many scientific disciplines that the preparation and publication of occasional reviews of the "state of the art" provide challenging opportunities for critical study of the type that may truly be called "desk research", with results that are stimulating and useful to those interested in the subfields of interest so reviewed but who do not have the opportunity of keeping closely in touch with relevant recent developments. A number of notable series of Review Volumes testify to the general acceptance of this type of publication. The same tradition has not yet been fully established in branches of applied science. The practice of engineering geology is, however, so closely allied with the science of geology, while yet linked with the art of engineering, that the development of such a volume as this has proved to be difficult only in the making of the necessary selection from the many topics that might well have been covered in this initial venture.

The editors are therefore grateful to the respective authors of the papers that appear herein, and also to those other authors whose papers (originally intended for this volume) have now been published in other media. The inclusion of the review of current Soviet developments in Soil Mechanics lends an international flavor to the volume and indicates the close links that exist between engineering geology and this newest of scientific disciplines within engineering. The support and encouragement of successive officers and executives of the Division on Engineering Geology of The Geological Society of America have been appreciated by the editors who share with all concerned with this volume regret at the unavoidable delay that has surrounded its final appearance. Comments and criticisms of the volume will be welcomed by the Division so that future volumes may benefit; for convenience, communications about the volume should be addressed to the Headquarters Office of the Society in New York.

Finally, the editors desire to record their indebtedness to members of their own staffs, and to the organizations with which they are associated (the Board of Water Supply of the City of New York and the National Research Council of Canada), for necessary office assistance that has been so willingly given.

T. FLUHR  
R. F. LEGGET

*November 14, 1961*

