EDITORS' PREFACE

ACTING EDITOR JOHN E. MOORE

John E. Moore

Little did I know when I became President of the International Association of Hydrogeologists in Oslo (July 1993) that I would also be asked to be the acting editor for the Applied Hydrogeology. Gene Simpson resigned in June because of health problems. We are deeply indebted to Gene and greatly appreciate his dedicated efforts to launch the Journal and guide it through the first two years. It has been a great pleasure for me to assist Gene in this effort.

The executive committee of IAH selected Dr. Clifford I. Voss as the new Editor and Dr. William E. Wilson as the new Technical Editor. Their vitae are provided herein. The future success of the Journal will depend on the high technical quality and relevance of papers, and the new editorial team is committed to achieving this standard.

The IAH Oslo Congress (July 1993) will be featured in the next two issues of the Journal. Both issues will be edited by David Banks, Geological Survey of Norway.

Publisher's Note

We at Heise Verlag in Hannover, Germany would like to take this opportunity to publicly thank Gene Simpson for his untiring efforts in starting up this journal. In the short period of two years, including the start up phase and initial coordination of peer reviews, Gene has helped create an internationally recognized forum that is almost impossible to realize in this short of period.

Gene's outstanding integrity and international standing among his friends and peers were just a part of the reason for this success. Despite his retirement and illness, Gene devoted not only his time and energy, but also his recognized knowledge and "2nd sense" for good and interesting papers in a discipline he understood and loved.

We at Heise Verlag will miss working with Gene on the further development of *Applied Hydrogeology*.

At the same time we welcome the team of Cliff Voss and Bill Wilson in their new function as editorial team guiding the content of this journal. We are confident they will continue the journey that Gene began.

CLIFFORD I. VOSS

Clifford I. Voss

Clifford I. Voss is a senior scientist with the hydrologic research program of the U.S. Geological Survey (USGS) in Reston, Virginia, USA. Since joining the USGS in 1981, his research on subsurface transport phenomena has involved both theoretical and field investigations and has resulted in the development of practical methods now in standard use in hydrogeology and related sciences. He is the author of the widely used USGS flow and transport software, "SUTRA." He is frequently consulted both in the USA and internationally on quantitative analysis of subsurface systems.

In 1978, he received a doctoral degree from Princeton University for research on simulation of fluid flow and energy transport in multiphase geothermal reservoirs. He was a Visiting Researcher at the Royal Institute of Technology and consultant at VBB-SWECO, both in Stockholm, Sweden in 1981, and a consultant on geothermal reservoir simulation to ISMES in Bergamo, Italy, in 1980. Dr. Voss was Visiting Associate Professor in Geology and Geophysics at the University of Hawaii, Honolulu, in 1985.

His current research interests involve field characterization and quantitative description of subsurface flow and transport in heterogeneous geologic fabrics. From 1990-1991, his USGS project was located in Sweden in a cooperative study of hydrology of heterogeneous media, particularly fractured bedrock systems intended for high-level nuclear waste disposal.

WILLIAM E. WILSON

William E. Wilson

William E. Wilson is an independent consultant in hydrogeology, residing in Georgetown, Colorado, USA. He retired from the U.S. Geological Survey (USGS) in 1990. During his 28-year career with the USGS, Dr. Wilson conducted numerous investigations of ground-water resources in Connecticut and Florida, and he developed and directed the hydrologic characterization program at Yucca Mountain, Nevada, the proposed U.S. site for disposal of high-level nuclear waste. Upon retirement from the USGS, he worked in Switzerland for two and one-half years. There, under contract to Intera, Inc., Austin, Texas, he advised the Swiss National Cooperative for the Storage of Radioactive Wastes (Nagra) on various hydrogeologic aspects of their characterization programs in fractured crystalline rocks and marls.

Dr. Wilson received his bachelor's degree with a major in geology from Harvard College (1956), and his doctorate degree in hydrogeology from the University of Illinois (1962). He has published numerous technical papers on such topics as hydrologic inventories of river basins, effects of ground-water development, ground-water modeling, hydrogeology of unsaturated zones, and conceptual models of ground-water flow.

In recognition of exceptional service to the USGS, he received the Survey's Special Achievement Award. During 1987-90, he was Editor of "The Hydrogeologist," newsletter of the Geological Society of America, Hydrogeology Division. In 1991 he received the Distinguished Service Award of that organization.

MESSAGE FROM THE NEW EDITORS

As we assume the task of editing this two year old journal, we would like to comment on the niche that APPLIED HYDROGEOLOGY fills in the scheme of scientific publications. This is the only journal that is concerned solely with hydrogeology in theory and practice, that is of international scope, and that is peer reviewed. Papers in hydrogeology are now scattered among various country specific journals, a few international journals, and a multitude of hard to find conference proceedings. This situation makes it difficult for hydrogeologists to follow developments in the science. The role of APPLIED HYDROGEOLOGY is to be a focus for publication of such papers, by providing an international forum for scientific hydrogeology.

We intend to maintain this forum for expression of worldwide progress in hydrogeology, in the form of an inexpensive and accessible publication outlet for scientists, researchers, engineers, and practitioners in all countries. We further intend this journal to be a link between developing and industrialized countries, and to treat the ramifications of hydrogeology on both environmental protection and optimal employment of natural resources.

The word 'APPLIED' in the journal's name is not intended to limit the scope of the journal. Hydrogeology is ultimately a practical discipline; we study hydrogeology in order to better the human situation on earth. The journal thus includes both reports that contain immediately useful information and those with theoretical information, because both lead to practical advances in the science.

Following the theme introduced for Volume 1 of this journal by the founding Editor, Professor Eugene Simpson, APPLIED HYDROGEOLOGY will publish peer-reviewed papers related to most aspects of hydrogeologic science, including:

- Theoretical and field studies ranging in scale from local areas and short time periods to regional or global problems and geologic time
- Techniques and innovative instrumentation in the laboratory and field (for example, hydrologic, geochemical, geophysical, mathematical, computational)
- Water resource and related mineral resource evaluations
- Reports of observed hydrogeologic phenomena
- Overviews of hydrogeologic systems of interest in various regions
- State of the art reviews
- Philosophy of scientific methods in hydrogeology
- Interaction between populations and hydrogeologic systems
- History of hydrogeology and biographies of eminent hydrogeologists

Some of the major advances in hydrogeology in the coming decades will undoubtedly derive from multidisciplinary field studies involving hydrogeologic co-disciplines, such as hydrology, geology, geochemistry, geophysics, geomorphology, geobiology, tectonics, mathematics, computational mathematics, economics, and sociology. We particularly invite reports of such efforts.

The new Editor and Technical Editor welcome this opportunity to widen our circle of hydrogeologic colleagues and to guide this forum toward the furtherance of hydrogeologic science and its applications in the twenty-first century. Your ideas and contributions are solicited and warmly welcomed.

Clifford I. Voss and William E. Wilson

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