



IAH Burdon Commission

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Dear IAH member,

The IAH Burdon Network is pleased to announce the launch of its free book scheme for 2007. The aim of this scheme is to increase access to hydrogeological books for IAH members in countries where it is very difficult to obtain reference books, or reliably access the web. We had a similar scheme in 2005/06 which proved highly successful.

The offer is open to IAH members in sub-Saharan Africa, excluding members in South Africa. The books we are able to offer are described overleaf - most have direct relevance to the Millennium Development Goals. To claim your book please follow the simple steps below.

1. Please choose ONE of the books listed below as soon as possible
2. Email your choice of book to me with the email subject title "groundwater books". Include your name and IAH membership number in the email. My email is iahburdon@bgs.ac.uk. We can only process requests with a valid IAH number.
3. I will then arrange for IAH to purchase this book and send it to the address to which the Hydrogeology Journal is sent.

Please keep an eye on the IAH Burdon website <http://burdon.wgw.org/> for other activities and initiatives.

Dr Alan MacDonal
Chair of the IAH Burdon Network

*Providing hydrogeological support
to those involved in helping to meet
the MDGs for water.*



1. Groundwater Hydrology

David Todd and Larry Mays 600 pages

Continuing in its forty-year history of providing students and professionals with a thorough grounding in the science and technology of groundwater hydrology, this third edition has been completely updated to reflect the tremendous changes in the field. This book provides a unified presentation of groundwater hydrology, treating fundamental principles, methods and problems encountered in the field as a whole.

2. Field Geophysics

John Milsom 250 pages

This handy pocket-sized book provides practical information and assistance to anyone engaged in small-scale surveys on the ground. The 3rd edition updates the considerable changes in instrumentation, and far-reaching developments in applications that have occurred since 1996. New sections include details on Ground Penetrating Radar, VLF and CSAMT/MT, GPS navigation, electromagnetic methods of conductivity mapping, capacity coupling, and audiomagnetotellurics (AMT).

3. Developing Groundwater - a guide for rural water supply

Alan MacDonald et al. 400 pages

Developing Groundwater provides a user-friendly guide to groundwater in rural Africa, bringing together for the first time the wide range of techniques required to develop groundwater for community water supplies. This practical manual gives information on effective geophysical techniques for siting wells and boreholes, assessing the sustainability of sources using pumping tests, constructing boreholes and wells, and the water quality aspects of rural water supplies. The authors set the technical aspects of rural water supply firmly in their socio-economic context, so that readers can take proper account of community concerns as well as purely engineering questions.

4. Groundwater Pollution in Africa

Yongxin Xu & Brent Usher (editors) 350 pages

The collection of papers begins with a broad overview of the situation in Africa, highlighting topics of special significance to the continent and presenting a variety of country perspectives. The subsequent papers provide specific case studies, introducing a range of diverse hydrogeological settings, with associated pollution sources, their causes and consequences. Methodologies for understanding impacts and for improving the situation are considered, with a view to the challenges ahead. The book will provide valuable reference and insight to professionals and decision-makers confronted with a wide diversity of challenges, including groundwater quality management in areas of rapid urbanisation in Africa and other developing areas.

5. Urban Groundwater - meeting the Challenge

Ken Howard (editor) 300 pages

During the past three decades, urban groundwater has emerged as one of the world's most pressing issues. "Urban Groundwater" is premised on a growing recognition that most urban groundwater problems are not uniquely associated with any particular region or hydrogeological environment, and much can be learned by understanding the successes and failures of others. It showcases the best urban groundwater papers presented at the International Geological Congress held in Florence, Italy in 2004, and is supplemented by contributions solicited from other world experts active in urban groundwater research. Topics covered range from the urban water balance and rising groundwater levels to groundwater contamination and the role of aquifer modelling.

6. Groundwater and Human Development

Bocanegra et al. (editors) 270 pages

It has long been recognized that groundwater plays a central role in the development of human societies. Groundwater resources are readily and reliably available compared with surface water resources. In many contexts, the presence of groundwater ensures the presence of life itself. Topics under discussion and scrutiny included: Groundwater and Quality of Life; Groundwater in Urban, Suburban and Rural Systems; Transboundary Aquifers; Hydrogeology of Large Plains; Coastal Aquifers; Methods for Groundwater Studies; and Education about Groundwater and Groundwater Management. This book contains selected papers, plenary lectures and material from workshops, illustrating the contribution of modern hydrogeology to sustaining humanity's thirst for fresh and safe water.

7. Geochemistry, groundwater and pollution

Tony Appelo et al. 650 pages

This book offers a quantitative approach to the study of groundwater quality and the interactions between water, minerals, gases and pollutants. The basic geochemical notions are presented and applied in textbook style. Geochemical and mass transport in aquifers are discussed, together with algorithms that couple solute transport and chemical reactions. The applicability of the developed concepts is demonstrated with detailed examples throughout the book.
