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• Special Publication 362

Military Aspects of Hydrogeology

Edited by E. P. F. Rose and J. D. Mather

This book, generated under the auspices of the Geological Society of London’s History of Geology and Hydrogeological Groups, contains 20 papers from authors in the UK, USA, Germany and Austria. Historically, it gives examples of the influence of groundwater on battlefield tactics and fortress construction; describes how groundwater was developed for water supply and overcame as an obstacle to military engineering and cross-country vehicular movement by both sides in World Wars I and II; and culminates with examples of the application of hydrogeology to site boreholes in recent conflicts, notably in Afghanistan. Examples of current research described include hydrological model development; the impact of variations in soil moisture on explosive threat detection and cross-country vehicle mobility; contamination arising from defence sites and its remediation; privatization of water supplies; and the equitable allocation of resources derived from an international transboundary aquifer.

• Special Publication 361

Natural Hazards in the Asia-Pacific Region: Recent Advances and Emerging Concepts

Edited by J. P. Terry and J. Goff

Even a cursory glance at any map of the Asia-Pacific region makes a striking impression: in addition to the large continental landmass the region encompasses a truly vast expanse of ocean, dispersed over which are thousands of islands. Many might say that it could not be a worse time to live in this region. In the past few years we have experienced not only a number of devastating tsunamis (Indonesia, Solomon Islands, Samoa, Japan), but should not forget either the seemingly endless list of other natural hazards such as tropical cyclones and typhoons, volcanic eruptions, river floods and wildlfires, amongst numerous others. This Special Publication represents an important collection of both conceptual and first-hand field investigations across the Asia-Pacific region. By highlighting some of the recent advances and emerging ideas in natural hazards research, the volume draws together these disparate lines of evidence into a clear regional focus.

• Special Publication 356

Martian Geomorphology

Edited by M. R. Balme, G. Sanjeev, C. Gallagher and A. Bargey

The latest Mars missions are returning data of unprecedented fidelity in their representation of the martian surface. New data include images with spatial resolution better than 30 cm per pixel, stereo imaging-derived terrain models with one meter postings, high-resolution imaging spectroscopy, and RADAR data that reveal subsurface structure. This book reveals how this information is being used to understand the evolution of martian landscapes, and includes topics such as fluvial flooding, permafrost and periglacial landforms, debris flows, deposition and erosion of sedimentary material, and the origin of lineaments on Phobos, the larger martian moon. Contemporary remote sensing data of Mars, on a par with those of Earth, reveal landscapes strikingly similar to regions of our own planet, so this book will be of interest to Earth scientists and planetary scientists alike. An overview chapter summarising Mars’ climate, geology and exploration is included for the benefit of those new to Mars.

• Special Publication 352

Human Interactions with the Geosphere: The Geoarchaeological Perspective

Edited by L. Wilson

Human impact on our environment is not a new phenomenon. For millennia, humans have been coping with – or provoking – environmental change. We have exploited, extracted, over-used, but also in many cases nurtured, the resources that the geosphere offers. Geoarchaeology studies the traces of human interactions with the geosphere and provides the key to recognizing landscape and environmental change, human impacts and the effects of environmental change on human societies.

This collection of papers from around the world includes case studies and broader reviews covering the time period since before modern human beings came into existence up until the present day. To understand ourselves, we need to understand that our world is constantly changing, and that change is dynamic and complex. Geoarchaeology provides an inclusive and long-term view of human-geosphere interactions and serves as a valuable aid to those who try to determine sustainable policies for the future.
Gulf Petrolink is a Bahrain-based petroleum geoscience consultancy established in 1993, and the publisher of the GeoArabia journal and several specialized geoscience books (www.gulfpetrolink.com). Today GeoArabia is the leading petroleum geoscience journal in the Middle East. It was launched in 1996, and in 2010 it had an Impact Factor of 2.026, and was ranked 48th among 167 international multi-disciplinary geoscience journals in the Web of Science.

Gulf Petrolink is seeking a highly qualified geoscientist to work in Bahrain as GeoArabia’s Geoscience Editor. The applicant should be very creative, have great personal initiative, and be prepared to learn more about the petroleum geosciences of the Middle East.

He/she should have an MSc or PhD in Geoscience with a good knowledge of sedimentary geology and seismic technology. A background in petroleum geosciences (exploration and production) is very beneficial/useful.

He/she must have an outstanding command of scientific writing in English, and a general knowledge of the upstream sector of the petroleum industry.

GeoArabia is a quarterly journal and targets about 20–25 manuscript for publication each year, totaling about 700 science pages. The duties of the Geoscience Editor will include the following:

- Reading all submitted manuscripts and, in consultation with the Editor-in-Chief and members of the Editorial Board, determining which are of sufficient quality and relevance to the Middle East petroleum industry to be worthy of publication.
- Coordinating all aspects of the review process with the authors, the Editor-in-Chief, members of the Editorial Board and anonymous referees. This may include working with the authors to rephrase and/or rewrite portions of accepted manuscripts to maintain the highest standards of clarity and technical English.
- Working with GeoArabia’s experienced designers to draft color graphics to maintain the journal’s high standards of graphic and aesthetic representation.
- Maintaining a cordial and supportive working relationship with the upstream professional and managerial community of the petroleum industry, as well as promoting the professional societies and academic institutions of the region.

The Geoscience Editor will work in Bahrain. Remuneration will be competitive, and include 30 calendar days of vacation every year. Applicants should send their CVs by internet to:

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Editor-in-Chief, GeoArabia
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