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# Sa C Dimentologie 3e A C Dition Sciences De La Te

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Siliciclastic Sequence Stratigraphy  
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 STRATI 2013

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## HARVEY BECKER

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Siliciclastic Sequence Stratigraphy Geological Society of America  
 Prepared by some of the world's leading experts in the field, this book is the first summarizing work on the origin, importance and exploitation of paleokarst. It offers an extensive regional survey, mainly concerning the Northern Hemisphere, as well as a

thorough analysis of the problems of research into paleokarst phenomena, with particular emphasis on theoretical contributions and practical exploitation. By concentrating on phenomena which have appeared in the course of geological history, the book represents a substantial development in the general theory of paleokarst and demonstrates the advantages of a comprehensive approach to the problem. Considerable emphasis is put on the economic importance of paleokarst phenomena, from the point of view of exploiting significant deposits of mineral raw materials, as

well as from a civil engineering and hydrological point of view. Since the publication deals with a boundary scientific discipline, it is intended for specialists from various branches of science: geologists, paleontologists, economic geologists, geographers, mining engineers and hydrogeologists.  
*Paleokarst* Cambridge University Press  
 Sequence stratigraphy represents a new paradigm in geology. The principal hypothesis is that stratigraphic successions may be subdivided into discrete sequences bounded by widespread

unconformities. There are two parts to this hypothesis. First, it suggests that the driving forces which generate sequences and their bounding unconformities also generate predictable three-dimensional stratigraphies. In recent years stratigraphic research guided by sequence models has brought about fundamental improvements in our understanding of stratigraphic processes and the controls of basin architecture. Sequence models have provided a powerful framework for mapping and numerical modeling, enabling the science of stratigraphy to advance with rapid strides. This research has demonstrated the importance of a wide range of processes for the generation of cyclic sequences, including eustasy, tectonics, and orbital forcing of climate change. The main objective of this book is to document the sequence record and to discuss our current state of knowledge about sequence-generating processes.

**The Dead Sea** Springer Science & Business Media  
List of members (53 p.) in v. 17, 1947.

Earth's Glacial Record Geological Society of London

Located 400 meters below sea level, at the tectonically active irregular boundary between the Mediterranean and Arabic plates, the Dead Sea is the site of many interesting phenomena. It provides a modern analog for ancient pull-apart basins and allows researchers to examine the process of evaporite deposition from deep water. It also offers insight into the adaptive ability of the life form living in the hypersaline brine. This book, based on a conference held in Tel Aviv in December 1993, focuses on the geophysics, geochemistry, hydrology, and climatology of the Dead Sea region.

Remote Sensing Digital Image Analysis Oxford University Press, USA

Hardcover plus Foldouts

*Tertiary Basins of Spain* Oxford University Press

This is the first book to deal comprehensively with Spain's tectonic and sedimentary history over the past sixty or so million years. During Tertiary times, Spain had suffered compressional collision between France and Africa, and its Atlantic and Mediterranean coasts had been further modified by extensional rifting.

**Bibliographie du Québec** Springer Science & Business Media  
Publishers Weekly Top 10 Best of the Year In her new collection, Story Prize finalist Maureen F. McHugh delves into the dark heart

of contemporary life and life five minutes from now and how easy it is to mix up one with the other. Her stories are post-bird flu, in the middle of medical trials, wondering if our computers are smarter than us, wondering when our jobs are going to be outsourced overseas, wondering if we are who we say we are, and not sure what we'd do to survive the coming zombie plague. Praise for Maureen F. McHugh: "Gorgeously crafted stories."—Nancy Pearl, NPR "Hauntingly beautiful."—Booklist "Unpredictable and poetic work."—The Plain Dealer Maureen F. McHugh has lived in New York; Shijiazhuang, China; Ohio; Austin, Texas; and now lives in Los Angeles, California. She is the author of a Story Prize finalist collection, *Mothers & Other Monsters*, and four novels, including Tiptree Award-winner *China Mountain Zhang* and New York Times editor's choice *Nekropolis*. McHugh has also worked on alternate reality games for *Halo 2*, *The Watchmen*, and *Nine Inch Nails*, among others. io9 Best SF&F Books of 2011 Tiptree Award Honor List Philip K. Dick Award finalist Story Prize Notable Book

**Siliciclastic Sequence Stratigraphy in Well Logs, Cores, and Outcrops** Springer Science & Business Media

The 1st International Congress on Stratigraphy (STRATI 2013), held in Lisbon, 1–7 July 2013, follows the decision to internationalize the conferences previously organized by the French Committee of Stratigraphy (STRATI), the last one of which was held in Paris in 2010. Thus, the congress possesses both the momentum gained from an established conference event and the excitement of being the first International Congress on Stratigraphy. It is held under the auspices of the International Commission on Stratigraphy (IUGS) and it is envisaged that this first congress will lead to others being held in the future. This book includes all papers accepted for oral or poster presentation at the 1st International Congress on Stratigraphy. Papers include a short abstract, main text, figures, tables and references. Each paper has been reviewed by two internationally renowned scientists.

*Managing the Global Environment* AAPG

La liste exhaustive des ouvrages disponibles publiés en langue française dans le monde. La liste des éditeurs et la liste des collections de langue française.

*The Phanerozoic Carbon Cycle* Springer

Clays and soils are of great importance in various scientific fields,

such as agriculture and environmental science, and in mineral deposits. Students and close collaborators of Georges Millot, the eminent French clay sedimentologist, have put together a book with topics ranging from weathering processes and diagenetic evaluation of sediments to sedimentary mineral deposits. The book is of interest to practitioners, advanced students as well as teachers in the above fields.

**Carbonate Sequence Stratigraphy** Elsevier

The world's continental shelves are the sites of vast resources of food, energy and minerals, the exploitation of which is continuously increasing. Fluctuating global sea levels throughout the Quaternary period produced multiple transgressive and regressive cycles that profoundly affected and shaped these shelves. The complex interactions among climate, sea level, tectonics, oceanography and sediment input have formed distinctive sediment packages on each shelf and provide a guide to the interpretation of older shelf sequences throughout the geological record. This Memoir compiles studies on 23 selected shelves from all the continents, focusing on their evolution and examining the patterns of sedimentation during the past approximately 125 000 years. In addition to providing basic background information for each area, the chapters consider specific aspects of continental shelf research, from seismic stratigraphy to geomorphology, from palaeoceanography to palaeo sea-level reconstruction and from palaeontology to geochemistry.

Memorie di scienze geologiche Elsevier

The Late Neogene

**Soils and Sediments** Cambridge University Press

"This memoir grew out of the 2 1/2-day symposium, 'Variations in Depositional Systems Within a Sequence Stratigraphic Framework: Applications to Exploration,' that we organized at the 1991 AAPG annual meeting in Dallas, Texas."--Preface.

The Karpatian Geological Society of London

Possibly the greatest change confronting the practitioner and student of remote sensing in the period since the first edition of this text appeared in 1986 has been the enormous improvement in accessibility to image processing technology. Falling hardware and software costs, combined with an increase in functionality through the development of extremely versatile user interfaces, has meant that even the user unskilled in computing now has

immediate and ready access to powerful and flexible means for digital image analysis and enhancement. An understanding, at algorithmic level, of the various methods for image processing has become therefore even more important in the past few years to ensure the full capability of digital image processing is utilised. This period has also been a busy one in relation to digital data supply. Several nations have become satellite data gatherers and providers, using both optical and microwave technology. Practitioners and researchers are now faced, therefore, with the need to be able to process imagery from several sensors, together with other forms of spatial data. This has been driven, to an extent, by developments in Geographic Information Systems (GIS) which, in turn, have led to the appearance of newer image processing procedures as adjuncts to more traditional approaches.

Orbital Forcing and Cyclic Sequences John Wiley & Sons  
Classically orbital cycles have been recognized in pelagic and lacustrine sequences characterized by quiet sedimentation, not disturbed by tectonics. However, there is now increasing

recognition that orbital cycles do influence climate and oceanography in general terms. There is also increasing acceptance of the possibility at least that the effect should be felt over large parts of the Earth's surface and that orbital cycles may well leave signs in other sedimentary environments that are commonly considered to be dominated by tectonics and eustasy. Containing thirty-one papers from a symposium held at the International Sedimentological Congress in Nottingham in 1990, this volume spans a range of topics from the astronomical theory behind orbital forcing, to field studies dealing with a broad range of sedimentary environments, and to modelling and simulation. State-of-the-art research papers. International expert authorship. The latest research in the highly topical subject of orbital forcing.

#### **Atlas of Seismic Stratigraphy**

This book discusses glacial or glacially-controlled sequences as markers of the Earth's geodynamic and climatic history.

#### **The Geology of Stratigraphic Sequences**

The term "carbon cycle" is normally thought to mean those processes that govern the present-day transfer of carbon

between life, the atmosphere, and the oceans. This book describes another carbon cycle, one which operates over millions of years and involves the transfer of carbon between rocks and the combination of life, the atmosphere, and the oceans. The weathering of silicate and carbonate rocks and ancient sedimentary organic matter (including recent, large-scale human-induced burning of fossil fuels), the burial of organic matter and carbonate minerals in sediments, and volcanic degassing of carbon dioxide contribute to this cycle. In *The Phanerozoic Carbon Cycle*, Robert Berner shows how carbon cycle models can be used to calculate levels of atmospheric CO<sub>2</sub> and O<sub>2</sub> over Phanerozoic time, the past 550 million years, and how results compare with independent methods. His analysis has implications for such disparate subjects as the evolution of land plants, the presence of giant ancient insects, the role of tectonics in paleoclimate, and the current debate over global warming and greenhouse gases

Introduction to Petrology

*Facies Models*

**Bulletin de la Société géologique de France**

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