

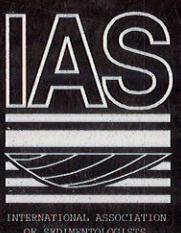


Perspectives in Carbonate Geology

A Tribute to the Career of
Robert Nathan Ginsburg

Edited by
Peter K. Swart
Gregor P. Eberli
Judith A. McKenzie

Special Publication
Number 41 of the
International Association
of Sedimentologists



Contents

Preface	vii	
Dedication to Robert N. Ginsburg	xii	
Depth-related and species-related patterns of Holocene reef accretion in the Caribbean and western Atlantic: a critical assessment of existing models <i>Dennis K. Hubbard</i>	1	Calcareous epiphyte production in cool-water carbonate seagrass depositional environments – southern Australia <i>Noel P. James, Yvonne Bone, Kirsty M. Brown and Anthony Cheshire</i>
The mystique of beachrock <i>Eugene A. Shinn</i>	19	Microbes versus metazoans as dominant reef builders: insights from modern marine environments in the Exuma Cays, Bahamas <i>Miriam S. Andres, R. Pamela Reid, Emily Bowlin, A. Patricia Gaspar and Anton Eisenhauer</i>
A re-evaluation of facies on Great Bahama Bank I: new facies maps of western Great Bahama Bank <i>John J.G. Reijmer, Peter K. Swart, Thorsten Bauch, Robert Otto, Lars Reuning, Sven Roth and Susanne Zechel</i>	29	Microbial dolomite precipitation under aerobic conditions: results from Brejo do Espinho Lagoon (Brazil) and culture experiments <i>Mónica Sánchez-Román, Crisógeno Vasconcelos, Rolf Warthmann, Marian Rivadeneira and Judith A. McKenzie</i>
A re-evaluation of facies on Great Bahama Bank II: variations in the $\delta^{13}\text{C}$, $\delta^{18}\text{O}$ and mineralogy of surface sediments <i>Peter K. Swart, John J.G. Reijmer and Robert Otto</i>	47	Karst sub-basins and their relationship to the transport of Tertiary siliciclastic sediments on the Florida Platform <i>Albert C. Hine, Beau C. Suthard, Stanley D. Locker, Kevin J. Cunningham, David S. Duncan, Mark Evans and Robert A. Morton</i>
Stable isotopes of carbon and oxygen in modern sediments of carbonate platforms, barrier reefs, atolls and ramps: patterns and implications <i>Eberhard Gischler, Peter K. Swart and Anthony J. Lomando</i>	61	Controls on facies mosaics of carbonate platforms: a case study from the Oxfordian of the Swiss Jura <i>André Strasser and Stéphanie Védrine</i>
A tale of two storms: an integrated field, remote sensing and modelling study examining the impact of hurricanes Frances and Jeanne on carbonate systems, Bahamas <i>Stacy L. Reeder and Eugene C. Rankey</i>	75	The allocyclic interpretation of the ‘Latemar Cycles’ (Middle Triassic, the Dolomites, Italy) and implications for high-frequency cyclostratigraphic forcing <i>Rob M. Forkner, Linda A. Hinnov, Robert K. Goldhammer and Laurie A. Hardie</i>
Rapid recycling of organic-rich carbonates during transgression: a complex coastal system in southwest Florida <i>Brigitte M. Vlaswinkel and Harold R. Wanless</i>	91	Phylloid algal mounds in the Paradox Basin, southwestern USA: an alternative to the <i>in situ</i> constructional growth model? <i>G. Michael Grammer and Audrey L. Ritter</i>
The paradoxical occurrence of oolitic limestone on the eastern islands of Great Bahama Bank: where do the ooids come from? <i>Pascal Kindler and Albert C. Hine</i>	113	

The Cincinnati Arch: a stationary peripheral bulge during the Late Ordovician <i>Michael C. Pope, Steven M. Holland and Mark E. Patzkowsky</i>	255	Early load-induced fracturing in a prograding carbonate margin <i>Donald F. McNeill and Gregor P. Eberli</i>	327
Reinterpreting a Proterozoic enigma: <i>Conophyton</i> - <i>Jacutophyton</i> stromatolites of the Mesoproterozoic Atar Group, Mauritania <i>Linda C. Kah, Julie K. Bartley, and Alice F. Stagner</i>	277	Markov models for linking environments and facies in space and time (recent Arabian Gulf, Miocene Paratethys) <i>Bernhard M. Riegl and Samuel J. Purkis</i>	337
Layering: what does it mean? <i>Harold R. Wanless</i>	297	Evaluating validity and reliability in high-resolution stratigraphic analysis <i>Carl N. Drummond and Lailah A. Marlow</i>	361
Falling-stage systems tract in tropical carbonate rocks <i>Wolfgang Schlager and Georg M.D. Warrlich</i>	305	Index	373