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Nota di contenuto	Carbonate Diagenesis; Contents; Preface; Introduction to Carbonate Diagenesis; Marine Diagenesis: Modern and Ancient; Submarine lithification of Holocene carbonate sediments in the Persian Gulf; A review of the origin and setting of tepees and their associated fabrics [abstract only, plus Figs. 9 and 10]; Microbial alteration of Bahamian deep-sea carbonates [abstract only, plus Figs. 11, 12 and 13]; Holocene intertidal calcium carbonate cementation. Qatar, Persian Gulf [abstract only, plus Plates I A-F, V C and D] The seaward margin of Belize Barrier and atoll reefs [pages 14, 62-64, 111-123, 178-183, and Figs. 1-2, 1-4 and 3-2, plus references] Growth and submarine fossilization of algal cup reefs, Bermuda [abstract only, plus Figs. 21A and 21B]; Methane-derived high-Mg calcite submarine cement in Holocene nodules from the Fraser Delta, British Columbia, Canada [abstract only, plus Figs. 3A and 3C, 4A-D]; Syn-sedimentary marine lithification of Middle Jurassic limestones in the Paris Basin; Isotopic and trace element evidence for submarine

lithification of hardgrounds in the Jurassic of eastern England
Sedimentary folds and the development of limestone in an early
Ordovician Sea [abstract only, plus Figs. 9, 15] Botryoidal aragonite and
its diagenesis; Magnesian calcite cements and their diagenesis:
dissolution and dolomitization, Mururoa Atoll [abstract only, plus Figs.
2, 4, 8 and 9]; Early void-filling cementation in Devonian fore-reef
limestones (Germany); Radial fibrous calcite: a replacement after
acicular carbonate [abstract only, plus Figs. 4, 7A]; Meteoric Diagenesis;
Phreatic versus vadose meteoric diagenesis of limestones: evidence
from a fossil water table

Isotope signatures associated with early meteoric
diagenesis
Contrasting diagenesis of two Carboniferous oolites from
South Wales: a tale of climatic influence [abstract only, plus Figs. 3, 4,
9, 19]; Syntaxial overgrowths in muddy crinoidal limestones:
cathodoluminescence sheds new light on an old problem [abstract only,
plus Figs. 2, 7]; The development of overgrowths from echinoderm
fragments [abstract only, plus Fig. 3]; Diagenesis in the Burial
Environment; Carbonate cements: their regional distribution and
interpretation in Mississippian limestones of southwestern New Mexico
Changes in carbon and oxygen isotope composition during limestone
diagenesis
The strontium isotopic composition and origin of burial
cements in the Lincolnshire Limestone (Bajocian) of central
Lincolnshire, England [abstract only, plus Figs. 3 and 4]; Aragonite relic
preservation in Jurassic calcite-replaced bivalves; Evolution of pore
space in the Poza Rica trend (Mid-Cretaceous), Mexico [abstract only,
plus Fig. 29]; Ferroan calcite replacement indicates former magnesian
calcite skeletons [abstract only]

New interpretations of Great Salt Lake ooids and of ancient non-
skeletal carbonate mineralogy [abstract only, plus Figs. 16 and 17]

Sommario/riassunto

Over the years, many papers on carbonate diagenesis have been
published in *Sedimentology*, the journal of the International Association
of Sedimentologists. This volume presents a collection of these papers
with a commentary. The emphasis of the book is on the diagenesis of
shallow-marine carbonate sediments and the editors have chosen 12
papers which are reproduced in full. To widen the scope of this volume
the abstracts for another 16 papers are presented. These provide
further examples of diagenetic studies and help to extend the coverage
of the book. The reprints and abstracts are di
