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Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Reefs and Carbonate Platforms in the Pacific and Indian Oceans; Environmental and tectonic influence on growth and internal structure of a fringing reef at Tasmaloum (SW Espiritu Santo, New Hebrides island arc, SW Pacific); Contents; Preface; Processes Operating; Exposure, drowning and sequence boundaries on carbonate platforms; The origin of the Great Barrier Reef-the impact of Leg 133 drilling; Development and demise of mid-oceanic carbonate platforms, Wodejebato Guyot (NW Pacific) Stable tropics not so stable: climatically driven extinctions of reef-associated molluscan assemblages (Red Sea and western Indian Ocean last interglaciation to present); Sedimentary cycles in carbonate platform facies: Fourier analysis of geophysical logs from ODP Sites 865 and 866; Platform Case Histories; Aptian-Albian eustatic sea-

levels; Origin of white sucrosic dolomite within shallow-water limestones, ODP Hole 866A, Resolution Guyot, Mid-Pacific Mountains; strontium isotopic evidence for the role of sea water in dolomitization Computer simulation of a Cainozoic carbonate platform, Marion Plateau, north-east Australia Quaternary and Tertiary subtropical carbonate platform development on the continental margin of southern Queensland, Australia; Pleistocene reef complex deposits in the Central Ryukyus, south-western Japan; Oceanic Reef Case Histories; Atolls and Volcanic Islands; Morphology and sediments of the fore-slopes of Mayotte, Comoro Islands: direct observations from a submersible; Tectonic and monsoonal controls on coral atolls in the South China Sea Wang Guozhong  
Steady-state interstitial circulations in an idealized atoll reef and tidal transients in a deep borehole by computer simulation Active Margins; Passive Margins; Lagoonal sedimentation and reef development on Heron Reef, southern Great Barrier Reef Province; Terrigenous sediment accumulation as a regional control on the distribution of reef carbonates; Comparison between subtropical and temperate carbonate elemental composition: examples from the Great Barrier Reef, Shark Bay, Tasmania (Australia) and the Persian Gulf (United Arab Emirates); Index; Colour plates facing p. 88, p. 160 and p. 304

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### Sommario/riassunto

This IAS Special Publication #27 contains 17 of the papers presented at the IAS International Workshop on Reefs and Carbonate platforms in the Pacific and Indian oceans held in Sydney (July 1995). This is the first book to summarize the current state of knowledge about reefs and carbonate platforms in these oceans, where there is a great diversity of carbonate systems in various tectonic settings. Papers concern both processes operating in reefs and carbonate platforms and case histories (platform and oceanic reef case histories). Case histories range from the Lower Cretaceous to modern reefs

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