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SPECIAL ISSUE 52:4-5: SHOEMAKER MEMORIAL ISSUE ON THE AUSTRALIAN IMPACT RECORD: 1997-2005 UPDATE

Guest edited by A.Y. Glikson (Department of Earth and Marine Sciences, Australian National University) and P.W. Haines (Geological Survey of Western Australia)

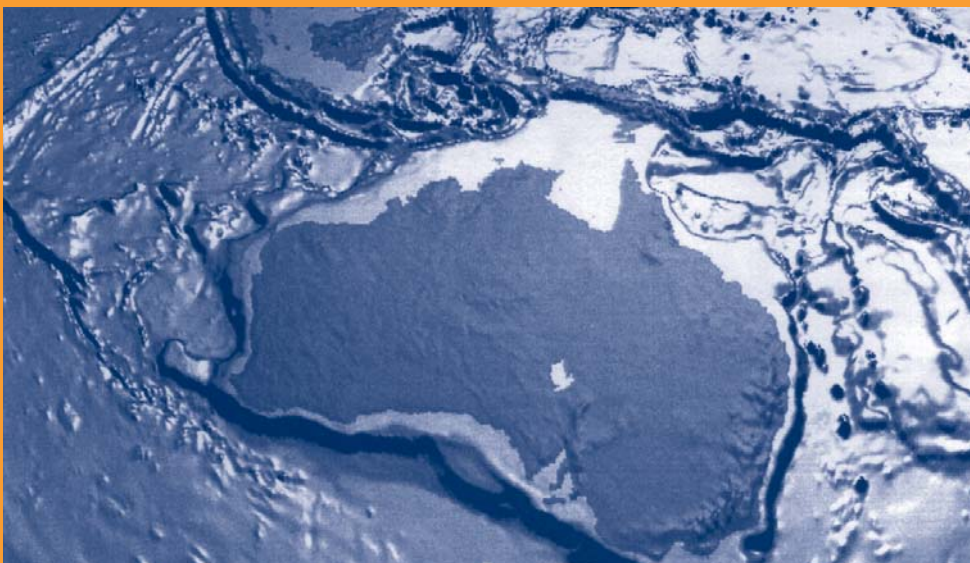
The Shoemaker Memorial Issue on the Australian Impact Record: 1997–2005 Update, (*Australian Journal of Earth Sciences* 52:4-5) reports on work on Australian impact structures and impact-ejecta fallout deposits since the last compilation of papers on the Australian impact record was published in the AGSO Journal in 1996.

Part 1 is concerned with impact structures. Following a comprehensive overview of impact structures in Australia there are detailed accounts of the various structures including, amongst others: Woodleigh, Foelsche, Yarrabubba, Amelia Creek, Matt Wilson, Glikson, Goat Paddock, Spider and Wolfe Creek.

Part 2 discusses impact ejecta and distal fallout deposits ranging from impact-fallout units in the ca 2.63 Ga Jeerinah Formation and the 2.56 Ga Spherule Marker Bed in the Wittenoom Formation to an update on the Ediacaran Acraman/Bunyeroo impact-ejecta horizon and the source Acraman impact structure.

There are also broader reviews on impact processes, lunar impact fallout, and the geochemistry and isotopic composition of impact-ejecta fallout together with a comprehensive review of the possible relationships between impacts, volcanic episodes and mass extinctions.

This thematic issue is a tribute to Gene and Carolyn Shoemaker's pioneering legacy and should encourage future progress in Australian impact studies and the investigation of links between terrestrial evolution and extraterrestrial impact events.



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