

South Australian Museum IGCP587 Report for 2010

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Publications 2010

- **Gehling**, J.G., Jago, J.B., Paterson, J.R., Garcia-Bellido, D. C. Edgecombe, G.D. The Geological context of the Lower Cambrian (Series 2) Emu Bay Shale Lagerstätte and adjacent stratigraphic units, Kangaroo Island, South Australia. *Australian Journal of Earth Sciences* (accepted).
- McKirdy, D.M., Hall, P.A., Nedin, C., Halverson, G.P., Jago, J.B., **Gehling**, J.G. and Jenkins, R.J.F. Palaeoredox status and thermal alteration of the lower Cambrian (Series 2) Emu Bay Shale Lagerstätte, South Australia. *Australian Journal of Earth Sciences* (accepted).
- **Gehling**, J.G., Kelly, T., Gell, P., Westall, K., and Ingelton, G. **2010**. Chapter 13 Climate Change. *In: Daniels C.B. (Ed) Adelaide Water of a City* Wakefield Press Adelaide. Pp. 275-285.
- Paterson, J.R., Edgecombe G.D., García-Bellido, D.C., Jago, J.B., and **Gehling**, J.G., **2010**. Nektaspid arthropods from the Lower Cambrian Emu Bay Shale Lagerstätte, South Australia, with a reassessment of Lamellipedian relationships. *Palaeontology*, 53, 377-402.

Conference Papers

- **Gehling, J.G.** Invited paper: The role of microbial mats and organic matter in early diagenesis of Ediacaran siliciclastic sediment. SEPM Field Conference: "Microbial mats in siliciclastic sediments (Archean to Recent)"; Denver Colorado, 21-24 May **2010**.

- **Gehling, J.G.** “Exploring an Ediacaran Subdivision”: International Commission on Stratigraphy meeting, Prague: Neoproterozoic Subcommittee: 31 May – 3 Jun, **2010**.

Public Lectures (2010)

- **Gehling, J.G.** “Once were sponges: Flinders Ranges fossils and the origins of animals”. Talk to Probis Club, Norwood-Burnside, Friday 27 August **2010**.
- **Gehling, J.G.** “Tracks through Time” Public talk for Palaeontology Week in Kingston, Kangaroo Island, Thursday 25 March, **2010**.

Geoscience Promotion (2010)

- 2-5 Feb 2010: Workshops and lectures on coastal ecology and geomorphology for *Seafari* Arts Festival at Beachport, South Australia.
- 23-28 Mar 2010: Co-hosted SA Museum **Waterhouse Club** expedition to study **Cambrian fossils of Emu Bay** and Geology of Kangaroo Island.
- 6-11 Apr 2010: Filming and interviews in the Flinders Ranges at the Brachina Gorge Geological Trail and Ediacara fossil site at Nilpena for **NASA Astrobiology Institute** *virtual field trip* for the *Advent of Complex Life* project .
- 21-23 Apr 2010: Filming and interviews in the Flinders Ranges at the Brachina Gorge Geological Trail and Ediacara fossil site at Nilpena for **Japanese University of the Air**.
- 16 Jun 2010: Broadcast of interview for *Channel 10 Totally Wild* on Mesozoic fossils of the **Opal Fossil gallery**, for children’s TV.
- 1-3 Sep 2010: Documentary filming of Ediacara fossil sites in the Flinders Ranges for “**Australia: the land that time forgot**” commissioned by **ABC TV**.
- 23-26 Nov 2010: Documentary filming of Ediacara fossil sites in the Flinders Ranges for **Korea Educational Broadcasting System**.