

**AUSTRALIAN REGOLITH GEOSCIENTISTS
ASSOCIATION (ARGA) CONFERENCE
Arkaroola Wilderness Sanctuary, South Australia**

February 21-27, 2010

Sunday February 21 – Adelaide to Arkaroola

Depart Adelaide 7:30am Meet for lunch at Hawker 12.30pm Arrive at Arkaroola 4:30pm Welcome drinks 6pm Evening Meal 7pm
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Monday February 22 – Oral Presentations (North Flinders regional)

9.00-9.30	Official Welcome & House Keeping
9.30-10.00	<u>S.B.Hore</u> & S.M.Hill. Overview of the geological history of the Arkaroola Wilderness Sanctuary, northern Flinders Ranges, South Australia
10.00-10.30	Morning tea
10.30 – 11.00	<u>D.Haberlah</u> . Loess and floods: Late Pleistocene fine grained valley fill deposits in the Flinders Ranges.
11.00 - 11.30	<u>V.Normington</u> , S.M.Hill & S.B.Hore. Preservation: an under-rated component of mineral system models for secondary uranium within the Four Mile Embayment, northern Flinders Ranges, South Australia
12.00-1.00	Lunch
1.00 – 1.30	<u>B.Vanderhoek</u> , S.M.Hill & S.B.Hore. Biogeochemical expression of buried uranium mineralisation by rock fuschia (<i>Eremophila freelingii</i>) in the northern Flinders Ranges – western Lake Frome Plains, South Australia
1.30 – 2.00	<u>A.Johnson</u> , S.M.Hill & S.B.Hore. Biogeochemical expression of uranium mineralisation and geology by <i>Eucalyptus camaldulensis</i> in the Paralana Creek drainage system, South Australia
2.30 – 3.00	Afternoon Tea
3.00 – 3.30	<u>P.H.Woods</u> & B.M.Jeuken. Hydrogeology of the Beverley Area
3.30 – 4.00	<u>S.M.Hill</u> & S.B.Hore. Overview of Regolith and Landscape Evolution of the Arkaroola Wilderness Sanctuary, northern Flinders Ranges, South Australia
7.00	Evening Meal

Tuesday February 23 – Ridgetop Track and Ranges

8.00	Depart Arkaroola Mt Oliphant Arkaroola Waterhole? Coulthard's Lookout Radium Creek Metamorphics Waterfall Lookout Sprigg Costean
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	<p>“The Waterfall” LUNCH Split Rock Lookout Streitberg Prospect Sillers Lookout Corundum in Radium Creek Metamorphics and No.6 Mt Painter Return to Arkaroola</p>
5.00	
7.00	Evening Meal

Wednesday February 24 – Oral Presentations (National)

9.00 – 10.00	<u>L.Worrall</u> . The CRC LEME Legacy: the outcomes of seven years of regolith research
10.00 – 10.30	Morning Tea
10.30 – 11.00	<u>R.G.Creswell</u> . Qanats: regolith scientists provide water to a parched land
11.00 – 11.30	D.J.Gray, R.R.P.Noble, & <u>N.Reid</u> . Hydrogeochemical mapping of northeast Yilgarn groundwaters
12.00 – 1.00	Lunch
1.00 – 1.30	<u>K.M.Scott</u> . Characteristics of soils at the Hera Au-Zn-Pb-Cu-Ag deposit, Nymagee region, NSW
1.30 – 2.00	<u>M.Thomas</u> , M.Caccetta, T.Cudhy & M.Jones. Satellite imagery and mapping regolith materials: a new ASTER mosaic and product testing in the Gawler-Curnamona
2.00 – 2.30	Afternoon Tea
2.30 – 3.00	<u>I.C.Roach</u> , A.J.Whitaker, M.T.Costelloe, D.K.Hutchinson, S.F.Liu, M.A.Craig & N.C.Williams. Reducing uranium exploration risk in the Paterson Province, WA: mapping palaeotopography using regional AEM
3.30 – 4.00	<u>R.A.Eggleton</u> . <u>Images of Bauxite</u>
4.00 – 4.30	<u>G.M.Taylor</u> . <u>Regolith oddities</u>
7.00	Evening Meal

Thursday February 25 –Paralana Hot Springs and Four Mile West

8.00	<p>Depart Arkaroola Stubb’s Waterhole Lady Buxton Fault Eyre Formation and silcrete Parabarana Sandstone Paralana Hot Springs (Lunch) Four Mile West Lookout Bulldog Shale North of Four Mile Deadtree Section Return to Arkaroola</p>
5.30	
7.00	Evening Meal

Friday February 26 – Oral Presentations (South Australia)

9.00 – 9.30	<u>L.M.Stoian</u> . Palynology of Cenozoic sediments from South Australia: examples of applications from recent projects
9.30 – 10.00	<u>M.N.Keppel</u> , J.D.A.Clarke, T.Halihan, A.J.Love, & A.D.Werner. Geology and hydrochemistry of selected mound spring environments, Lake Eyre South.
10.00 – 10.30	Morning Tea
10.30 – 11.00	<u>J.L.Keeling</u> : Acid groundwater and halloysite-alunite deposition in Cenozoic terrestrial sediments marginal to the Eucla basin, southern Australia
11.00 – 11.30	<u>B.J.Dietman</u> , S.M.Hill & G.M.Lowe. Regolith and associated geochemical and biogeochemical expression of buried copper-gold mineralisation at the Hillside Prospect, Yorke Peninsula.
12.00 – 1.00	Lunch

1.00 – 1.30	<u>R.C.Dart</u> , S.M.Hill, D.J.Chittleborough & K.M.Barovich. Landscape and pedological controls on the formation of Au-in-calcrete anomalies
1.30 – 2.00	<u>A.J.Fabris</u> . Can partial leach soil surveys be used to explore for gold through dune fields? Examples from Tunkillia
2.00 – 2.30	Afternoon Tea
2.30 – 3.00	ARGA meeting
7.00	Evening Meal (conference dinner presentations)

Saturday February 27 – Arkaroola to Adelaide

8.00	Depart Arkaroola Could ask David Haberlah if he wants to offer Brachina Gorge detour option?
5.00	Return Adelaide