

DISCOVERIES IN THE TASMANIDES

A MINES AND WINES EVENT

Speaker Program

Thursday 7th September 2017

8.30 – 8.40 Welcome: Doug Menzies

8.40 – 9.00 *Opening Address*

Dr Paul Heithersay, Deputy Chief Executive, Department of Premier and Cabinet, South Australia

The Big Picture

Chair: *Kaylene Camuti*

9.00 – 9.30 Mineral systems analysis in the Tasmanides - Looking north from the south through 'Lachlan Orocline' coloured glasses
Ross Cayley (Geological Survey of Victoria)

9.30 – 10.00 Tectonic implications stemming from current projects in the Southern Thomson Orogen - an ARC Linkage Project and a three year collaboration between GSNSW, GA and GSQ on newly acquired geophysical, geochemical and drilling data
Bill Collins (Curtin University), A. Hack, R. Dwyer, S. Wong (University of Newcastle)

10.00 - 10.30 MORNING TEA

ARC Mineral Systems

Chair: *Richard Blewett*

10.30 – 11.00 *Keynote Address:* Controls to Tasmanide epithermal-porphyry Au-Cu mineralisation – exploration implications
Greg Corbett (CMC)

11.00 – 11.25 An old dog revealing new tricks – new insights into exploration at the Cargo Cu-Au porphyry project
Rosie Sloan, Tully Richards (Deep Ore Discovery Pty Ltd)

11.25 – 11.50 The evolution of the Cowal Gold Mine
Christopher Lesli (UTAS Codes), Paul Balind (Evolution Mining), Geoff Heidemann (Evolution Mining)

11.50 – 12.15 Hyperspectral core logging mineral characterisation – Northparkes E48 porphyry Cu-au deposit, NSW
Melissa Quigley (Spectral Geoscience), Jonathan Hoye (CMOC), Corey Jago

12.15 – 1.15 LUNCH

ARC Mineral Systems (cont'd)

Chair: *Glenn Coianiz*

1.15 – 1.40 Exploration at the Commonwealth Project, Lachlan Fold Belt: new insights into old areas
Mike Jones (Impact Minerals Ltd)

1.40 – 2.05 What is Down Plunge of the Dobroyde Hill High Sulphidation Epithermal? A Carbonate Base-Metal Gold System with Potential, Southern Junee-Narromine Volcanic Belt
Glen Diemar (New South Resources Pty Ltd), Kyle Hughes (GSNSW)

2.05 – 2.30 Pathfinder exploration techniques to target the porphyry and epithermal alteration system at the Gidginbung – Dam deposits
Bruce Hooper, Matthew Peacock, Damien Stephens, Joel Kitto (Sandfire Resource NL)

2.30 – 2.55 Bowdens silver deposit – A new chapter under Silver Mines
Scott Munro (Bowdens Silver)

2.55 – 3.25 AFTERNOON TEA

Orogenic Deposits

Chair: *Max Rangott*

3.25 – 3.55 *Keynote Address:* Orogenic gold systems in Victoria
Andy Tomkins (Monash University)

3.55 – 4.20 Fosterville Gold Mine- The transition from disseminated to visible gold mine
Daniel Foulds (Kirkland Lake Gold Ltd)

4.20 – 4.45 Tomingley Exposed – changes in geological interpretation once opened up
David Meates (Alkane Resources Ltd)

4.45 – 5.10 Morning Star Gold Mine and district, Victoria – regional and local controls on gold mineralisation
Rick Valenta (Mantle Mining NL)

5.10 – 5.20 AIG Update
Kaylene Camuti

7.00 for 7.30 CONFERENCE DINNER, Canobolas Hotel After-dinner speaker- *Margaret Cunneen SC*

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Basins and More

Chair: *Ian Neuss*

- 8.45 – 9.10** *Keynote Address:* Turbidite-hosted intrusion-related mineralisation in the eastern Cobar Basin: new insights from the south
Joel Fitzherbert (GSNSW)
- 9.10 – 9.35** New developments at the Hera Au-Pb-Zn-Ag Mine, Nymagee, New South Wales
Adam McKinnon (Aurelia Metals Ltd)
- 9.35 – 10.00** Woodlawn Zn-Cu-Pb-Ag deposit
Steve Jones (Heron Resources Ltd), P.M. Downes (GSNSW), D.A. von Perger (Heron Resources), K Hine (Mitre Geophysics)
- 10.00 – 10.25** Kempfield VMS, Lachlan Orogen: discovering rich new horizons
Todd McGilvray (Argent Minerals Ltd)
- 10.25 – 10.50** MORNING TEA

Basins and More (cont'd)

Chair: *Greg Jones*

- 10.50 – 11.15** Chronos – A timely near-mine discovery for Peak Gold Mines
Dan Stevens (New Gold Inc)
- 11.15 – 11.40** Wagga Tank: full to the brim with great potential
Bob Brown, Nancy Vickery (Peel Mining Ltd)
- 11.40 – 12.05** Great Cobar – Exploring below the activities of the old timers in Cobar
John Heavy, Matthew Green, Ian Mackenzie, Lize Stander, Katrina Virgoe and Thomas Wall (New Gold Inc)
- 12.05 – 1.00** LUNCH

Granites and More

Chair: *John Greenfield*

- 1.00 – 1.30** *Keynote Address:* Mapping the geological potential for magmatic and orogenic mineral systems in the southern New England Orogen
Phil Blevin (GSNSW) (speaker John Greenfield)
- 1.30 – 1.55** Gold and silver mineralisation at Paupong, NSW: a new intrusion-related system
Helen Degeling (Alt Resources Ltd)
- 1.55 – 2.20** East Riverina mapping project: laying the foundation for resource discovery
Phil Gilmore (GSNSW)
- 2.20 – 2.45** Discovery of the Bygoo Tin Deposit
Eoin Rothery, David Ward (Thomson Resources Ltd)
- 2.45 – 3.15** AFTERNOON TEA

Granites and More (cont'd)

Chair: *Chris Torrey*

- 3.15 – 3.40** Skarn mineralisation in the Chillagoe mining district, Qld
Peter Illig (James Cook University)
- 3.40 – 4.05** Dover Castle Pb-Zn-Ag project, Qld
Matt Haindl, Doug Menzies (Dover Castle Metals Pty Ltd)
- 4.05 – 4.30** An overview of Sn-W metallogeny in NE Qld
Zhaoshan Chang (James Cook University)
- 4.30 – 4.55** UNCOVER uncovered: a vision for multisector collaboration to dramatically improve mineral exploration in under cover Australia
Richard Blewett (Geoscience Australia)
- 4.55 – 5.10** Maiden's Musings – *Ken Maiden*
- 5.10 – 5.15** Wrap Up – *Lindsay Gilligan*
- Saturday 9th** WINE TOUR: Meet 9.00am outside Orange Ex-Services Club