

THE VICTORIAN GEOLOGIST

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September 2015

THE GEOLOGICAL SOCIETY OF AUSTRALIA

Victoria Division

General Meeting

Thursday 24th September at 6:15 p.m.

SELWYN LECTURE 2015:

Australia's exploration potential: Is there anything out there to discover?

Robbie Rowe

NextGen Geological Pty Ltd

**Adjunct Senior Research Fellow, School of Earth and
Environment, The University of Western Australia**

Fritz Loewe Theatre, School of Earth Sciences, University of Melbourne

Talk will be preceded by drinks from 5:30 pm in the 4th floor tearoom, cost \$2; and followed by dinner, RSVP essential - contact Michelle Grosser.

Company Principal at NextGen Geological Pty Ltd, Robbie Rowe is a Geologist with over 25 years of experience at both technical leadership and exploration management of projects in gold, gold-copper and copper throughout the Australia, Africa and Asia Pacific region.

SPEAKER BIO CONT.

Over the last 10 years Robbie has also worked as an industry representative with government bodies, assisting to promote exploration activity, and with research institutions, contributing to the development of practical and applied research initiatives focussed on next generation technologies for exploration. Within this theme Robbie recently (July 2015) completed an industry focused Roadmap for Exploration project with AMIRA International, looking at ways to improve exploration performance in covered terranes.

In 2014 he founded NextGen Geological to provide strategic, management and technical advice to organizations associated with the metal resources industry, mining and exploration companies.

Robbie is a Registered Professional Geoscientist in the field of Mineral Exploration with the AIG and a member of the AUSIMM and SEG. He is an Adjunct Senior Research Fellow at The University of Western Australia, School of Earth and Environment and also on the Executive and Geoscience Committees of UNCOVER (an initiative to focus Australia's relevant geoscience effort on providing the knowledge base and technology to substantially increase the success rate of mineral exploration).

THE AUGUST MEETING

Last month we heard Ken Grimes give a fascinating talk on karst-like and ruiniform structures. These features, created by weathering processes, are part of some spectacular landscapes in tropical northern Australia.

Ken highlighted the differences between various karst and karst-like structures and how these are distinct from ruiniform structure. The development of such diverse geomorphological features is underpinned by the relative importance of pre-existing structures, erosion, water flow, dissolution, weathering and case hardening. In sandstones (and quartzites and granites) erosion along planar structures (joints, bedding planes, etc.) is responsible for the formation of so called "lost cities" that awe many tourists. In contrast, the flow of water and effect of dissolution are the key players in the development of many karst-like features ranging from pencil-sized tunnels to large maze-like cave systems.

Photos from field trips showing vast landscapes and intricate weathering features sculptured over time by these processes held the audience's interest throughout. Thankyou Ken!

AUSTRALIAN EARTH SCIENCES CONVENTION NEWS



Uncover Earth's Past to
Discover Our Future

26 - 30 June 2016 – Adelaide Convention Centre

aesc2016.gsa.org.au

Call for AESC theme and session suggestions

An exciting series of themes, symposia, fieldtrips and workshops is being put together by the AESC 2016 Organising Committee.



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A preliminary taste of what is to come and who to contact if you want to make suggestions is outlined below.

- Earth's Environment** – Past to Present
- Tectonics of the Earth and Other Planets** – Craton and Continental Formation and Evolution, Ocean Plate Tectonics, Plate Margin and Plate Interior Tectonism
- Deep Earth Geodynamics** – Core, Asthenosphere and Lithosphere Dynamics, Coupling the Dynamic Deep Earth with Surface Tectonics
- Mineral Endowment** – Formation and Exploration of Mineral Deposits, their Tectonic and Geochemical Environment and Significance
- Geoscience for Society** – Geotourism, Education, Integration and Translation of Earth Sciences for Societal Benefit, Open the Gate, Geoscience and Community Engagement
- The Earth Science of Energy** – From Hydrocarbons to Hot Rocks

Committee

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PHOTO: Pleistocene sediments of the Hindmarsh Clay (red) and unconformably overlying Bridgewater Formation (white) in cliff exposures at Balgowan, Yorke Peninsula, South Australia. Photo courtesy of Caroline Forbes

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STUDENT FUNDING OPPORTUNITIES**Geological Society of Australia (Victoria Division) Student Research Scholarships**

The scholarship is valued at up to \$500 for travel within Australia and \$700 for travel outside of Australia. The number of and value of the scholarships awarded each year is made at the discretion of the GSA(Vic) committee.

Funding will not be granted retrospectively and applicants are asked to submit forms no later than 6 weeks prior to their trip to give the committee time to consider the application.

**Eligibility**

Applicants must be members of the GSA and enrolled in a full-time degree at a Victorian Tertiary institution and undertaking research in Geology. The scholarship will be awarded to assist with conference travel for honours and postgraduate students, who are presenting (either poster or talk) at the conference.

Honours and postgraduate students that receive this scholarship will be required to submit a report for publication in 'The Victorian Geologist' newsletter following to their trip. A presentation may also be requested by the committee, which will consist of a short 10-15 minute presentation prior to the monthly seminar.

Students who have previously received a GSAV research scholarship are not eligible. Scholarships and bursaries from other sources are acceptable.

Applications forms can be scanned and emailed to: secretary@vic.gsa.org.au

or mailed to:

Geology Research Scholarships Victoria
Geological Society of Australia (Victoria Division)
GPO Box 2355
Melbourne VIC 3001

More information can be found by contacting Barbara Wagstaff (wagstaff@unimelb.edu.au)

Something interesting to share? Want to see your name in print?

Don't be bashful, contribute to the GSA(V) monthly newsletter!

If there are any events, happenings, news, or views that would be of interest to the membership, please send your details and information to Kieran Iles at kiles@student.unimelb.edu.au

We'd be glad to hear from you

FORTHCOMING SEMINARS AND EVENTS

to be presented at
GSA (Victoria Division) meetings

Note: unless otherwise indicated, all 2015 talks will be held in the Fritz Loewe Theatre, Earth Sciences Building, University of Melbourne.

September 24th:

Monthly Meeting: Robbie Rowe

Australia's exploration potential: Is there anything out there to discover?

October 29th:

Monthly Meeting: Rebekah Kurpiel

Using geochemistry to trace silcrete sources for stone tool manufacture in the Lake Mungo region

November 4th:

Victorian Universities Earth and Environmental Sciences Conference

Student conference (see www.earthsci.unimelb.edu.au/vueesc)

November 26th:

Monthly Meeting: Helen Green

Dating Aboriginal Rock Art

Please welcome our newest members



Visit the GSAV on www.gsavic.org or the GSA on www.gsa.org.au
• Renewing your GSA membership is easy - it can now be done online. •

CONSIDER CONTRIBUTING TO TAG!

It is member contributions which make TAG a member magazine – please keep the contributions coming and assist with informing all of the membership (not just your Division) about your activities.

Please send your news to: tag@gsa.org.au



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Please address all correspondence to the GSA Victoria Division
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Newsletter deadline:

First Friday of the month except Dec & Jan
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