

# Geological Society of Australia – WA Division

## Minutes of the 2014 Annual General Meeting



*The Irish Club, 61 Townshend Rd, Subiaco*

*6.00pm, Wednesday 2 April 2014*

### AGENDA

- Apologies: Aaron Hunter, Margaret Brocx, Rachell Fuller, Trevor Beardsmore, Andrew Skogings
- Present: Katy Evans (chair), Bob Halligan, Jim Ross, Nigel Wilson, Mike Forster, Stephen White, Des Lascelles, Andrew Drummond, Paul Askins, Bill Allen, Ian Fordyce, John Bunting, Peter Haines, Richard Turner, Alfredo Huomani, Christian Rudler, Paul Mutton, Chris Rosagro, Martin Fole, Ray Smith, Mark Hronsky, Rambhi Mohd Osman, Toby Colson, Korien Oostingh, Lee Higgon, Thomas Evans, Glenn Boyce, Rachel Backus, James Bartle, Helen Waldron, Nigel Cantwell, Brian Bennett, Milo Barham, Mike Freeman, Nick Lockett, Peter Fey, Phil Commander, Annette George, Chris Yeats, Charles Butt Vic Willisams, Hands Andersen, Douglas Allen.
- Minutes of the 2013 AGM – Accepted without change
- Chairman’s Annual Report 2012-2013 – highlights presented
- Treasurer’s Annual Report 2012-2013 – highlights presented
- WAG Report 2012-2013 – highlights presented
- Subcommittee Annual Reports 2012-2013
  - Awards – highlights presented
  - Geological Heritage – highlights presented
  - Education - – highlights presented
- Election of new office bearers and committee members for April 2014 to April 2015 –  
Business manager: Greg Lester  
WAG Editor: Roger Bateman  
Stratigraphic Nomenclature: Milo Barham  
Secretary: Aaron Hunter  
General Member: Rachell Fuller, Suzanne Murray, Andrew Skogings
- Election of Divisional Councillor

Roger Bateman was elected unanimously

- New Members:

Rick Newick and Natasha Barrett

- Other Business:

- Annual Dinner on May 2<sup>nd</sup> at Gypsy Tapas.

Meeting closed at 6:16pm, and was followed by the seminar.

# **Mars for Earthlings: Using Earth Analogs to Decode the Sedimentary History of Mars**

Dr Marjorie A. Chan. Geology & Geophysics, The University of Utah, USA

## **Abstract**

Mars has held our interest since ancient times, but now we have the ability to scientifically explore the Red Planet at unprecedented scales. Studies of sedimentary environments on Earth are critical to helping us interpret extraterrestrial sedimentary and diagenetic processes, as well as where habitable environments might exist. This talk explores Earth analog comparisons to Mars that include: red rocks and concretions (“blueberries”) and the implications for past fluid flow, similarities of cross bedded sandstone, comparisons of shoreline geometries, and weathering phenomena.

## **About the speaker:**

Dr. Marjorie A. Chan is GSA’s (Geological Society of America) 2014 Distinguished International Lecturer and is a Professor of Geology at the University of Utah in Salt Lake City, Utah. She received a B.S. in Geology from the University of California – Davis in 1977 and a Ph.D. in Geology from the University of Wisconsin – Madison in 1982. Her research topics have spanned the geologic time scale from the Precambrian to the Pleistocene. Her recent projects connect geology and planetary science to better understand and interpret the red planet Mars. She has authored or co-authored more than 100 peer-reviewed professional articles on a wide range of sedimentary topics involving clastic depositional environments, sedimentology, fluid flow/diagenesis (e.g., iron oxide sandstone coloration and concretions), Earth analogs to Martian environments, and geoconservation.



**ANNUAL GENERAL MEETING**  
**18:00, 2 APRIL, 2014**  
**GEOLOGICAL SOCIETY OF AUSTRALIA**  
**WESTERN AUSTRALIAN DIVISION**  
**IRISH CLUB, TOWNSHEND STREET, SUBIACO, PERTH**

### **Chairman's Annual Report**

It's been another busy year for the WA Division and the Geological Society at large, and my first as Division Chairman, and it falls to me to review the year that was, acknowledge the committee and membership and for their contributions and support, and reflect on some notable highlights.

The Divisional committee has undergone some changes during the year (see Table 1 for a listing of office bearers for 2013–2014 and 2014–2015). Katy Evans stepped aside as Chairperson in April 2013 with the intention of remaining as a non-executive committee member. However, Angela Halfpenny resigned as Secretary late in 2013 when her paid employment became untenable, and Katy kindly volunteered to serve as “proxy” Secretary for the remainder of the year, until a new incumbent can be elected. I thank both Angela for her diligence and devotion to the task during her tenure, and Katy for “holding the fort”, and for her “presidential” advice throughout the year.

Chris Yeats vacated the Vice Chair role, but continues as a general member of the committee, and I thank him also for sharing advice and experience derived from his long involvement in executive posts with the Society. Chris Kirkland's excellent service as Divisional Business Manager will also come to an end at the up-coming AGM, but he assures me that he will remain in the General Committee and be available to advise whomever is elected to replace him (we have a nomination).

Stephen Wyche continued an excellent job as Division Treasurer, as did Stephen White as WAG Newsletter editor, ably assisted this past year by Roger Bateman. Division Subcommittee convenors Charles Butt (Awards), Joanne Watkins (Education and Vocation), Margaret Brocx (Geological Heritage) and Roger Hocking (Stratigraphic Nomenclature) have also been busy throughout the year, and I direct you to their annual reports. Most of the aforementioned will continue their Society duties into the coming year, but Steve White and Roger Hocking will not be continuing beyond this year. However, Roger Bateman has amply demonstrated his abilities as WAG Editor, and we have a new nomination for convener of the Stratigraphic Nomenclature subcommittee. I thank all for services rendered, past and future.

I also commend the non-executive Committee membership. Doug Allen (who is also our current Web Master), Paul Askins, Jane Collins, and student representatives Tram Do and Caroline Mather continued to be very active in Committee business, and I thank all of them for their contributions.

Jane, Tram and Caroline are stepping aside at the end of the year, but several other students have nominated to join the Committee, and will be presented to the general membership for consideration at the AGM on April 2<sup>nd</sup>. We will also continue the practice of allowing other students from Curtin and UWA attend meetings as proxies for the “official” student members, to allow better continuity from year to year, and reduce the load on individuals.

The positions of Vice Chair and Secretary remain vacant, however, and we invite members to nominate for these positions. Serving on the Committee is neither particularly onerous nor time-consuming, but does provide an opportunity to influence the overall direction of the Society. If you’re reading this prior to the AGM and wondering if you can and should contribute, please do! My contact details are on the Divisional website and in each issue of WAG and I would be very happy to talk over the roles and responsibilities of the Committee with any interested party.

The Division continues to hold general meetings on the first Wednesday of each month (except December and January) at the Irish Club in Subiaco, a venue that presents the ideal combination of being reasonably accessible to most of our membership and providing an atmosphere and facilities conducive to pre- and post-meeting socialising. The Committee has worked hard throughout the year to present members with an interesting program of speakers at the monthly meetings. These talks have embraced a mix of speakers from academia, government, and industry and a diversity of topics, and included presentations by last year’s Gibb Maitland medallist Cam McCuaig, and National Society President Laurie Hutton (Table 2). All the talks proved very popular, judging from the strong attendance at the Divisional meetings, and on behalf of the Division I congratulate and thank all this year’s speakers for their efforts and time, and for the enthusiasm they all brought to their topics. For those members who missed any meeting, the abstracts for all talks back to August 2004 are available on our Divisional Website. I must also express our appreciation to Jocelyn Thomson and the Australian Institute of Geoscientists for assisting with notifying the wider community of GSA talks (and other events).

The Division has also supported many other geoscience professional and promotional activities throughout the year. We continued to sponsor school-level interest in the Earth Sciences, with a donation of \$2750 to ESWA to support production of second Field Guide to the Southwest, authored by John Bunting. This book follows the very popular Field Guide to Perth and Surrounds (now in its second printing), which was also funded jointly by our Division and the Society’s Federal office. Both field guides are particularly directed at teachers to support student field trips, and are available from the GSA online bookshop, the Geological Survey of Western Australia, and Boffins bookshop (recently relocated from Hay Street to William Street).

We collaborated with the WA Branches of the Australian Society of Geophysicists, the Australian Institute of Geoscientists, and the Petroleum Exploration Society of Australia to deliver the Careers in Geoscience night on August 26<sup>th</sup> last year, at the Tech Park Function Centre at Bentley. Over 100 university students took up the opportunity to interact with professional geoscience groups and potential employers (see the report by Jo Watkins in WAG issue 503). Organisation has begun for the 2014 careers night, and the Division is negotiating a more formal arrangement with our collaborators to share the responsibility for organising the event and managing the finances.

We have also initiated a bursary scheme, offering twice yearly a moderate endowment to a worthy student to assist with funding their research or further education. The inaugural recipient was Timmons Erickson at Curtin University, who was awarded \$1000 to support his PhD research into “Assessing the bombardment history of the early Earth with shocked detrital zircons from the Narryer Terrane, WA”. Timmons will report on this work in WAG in due course. Students should watch out for advertising for the next round of bursary applications, and contact myself or the Division Secretary for application guidelines.

The Division also sponsored a technical night presented by the Australian Society of Exploration Geophysicists, and again co-sponsored the annual GSA–AIG Christmas Cruise along the Swan River, held on December 6<sup>th</sup>.

Members are kept informed of Society news and activities, and provided with other entertaining reads, through the WAG Newsletter, now in its 50<sup>th</sup> year of publication. Seven issues were produced this year (including the April/May issue in which this report appears), thanks to the editorial efforts of Stephen White and Roger Bateman, and continuing support from contributors, sponsors and advertisers. We encourage our members to submit articles of a general earth science interest nature – regular readers will be well aware of such contributions by John Glover (who submitted his final, biographical article in issue 501), and may also have been amused, entertained and educated by two articles by Roger Bateman, revealing the curious connection between past Geological Survey Director Joe Lord and rugby (WAG 502), and the use of earth science in forensic investigations (WAG 504).

I also thank GSWA and CSIRO for regular contributions to content, and advertisers/sponsors Paul Askins, Digirock, GSWA and CSIRO for their financial support through the year. Alas, advertising revenue diminished somewhat relative to previous years (see our Treasurer's Report), but this notwithstanding, delivery of the WAG newsletter as an online-only publication allows us to redirect all advertising revenues from printing and postage towards Society activities that support students, members and events. Thanks is due to our Business Manager Chris Kirkland for his tireless efforts to attract new customers, and I remind our readers that the WAG newsletter offers a great opportunity to advertise products and services to geologists and related disciplines within Western Australia, and encourage our members to consider advertising in WAG, and promoting it as an advertising platform to other potential clients.

The Annual Dinner and Awards night in April 2013, though socially a great success, ended up being heavily subsidised, in part by the Division, but also thanks to a \$1500 sponsorship from the UWA Centre for Exploration Targeting. The 2014 Annual Dinner and Awards Presentation is on Friday May 2<sup>nd</sup>, and we will be experimenting with a different venue and dining experience (The Gypsy Tapas House in Fremantle), which we believe will offer a greater delight for the palate at a lower cost (see the advert in this issue of WAG).

The Division will be presenting its four awards honouring excellence in Geoscience (Table 3). Of our three student prizes, - Liesel Morgan of La Salle College has been awarded the WACE prize for the best aggregate score in the Earth and Environmental Science WA Certificate of Education, and Derek Clauson will receive the GSA medal for the Curtin student with highest marks in the final year exam. At the time of going to press, the Division was still to be advised of the recipient of the Talbot prize for best Honours thesis produced for the year at UWA. I am also pleased to note that one of last year's prize recipients – Aniket Desai - has continued on to University and an Earth Science degree, and has recently joined the Society as a member.

It is with great pleasure that I also announce that the Division's Gibb Maitland Medal for 2014 is to be awarded to Dr. Ravinder Raj (Ravi) Anand, of CSIRO's Division of Exploration and Mining, in recognition of his 30 years of outstanding contributions to regolith geoscience and its applications to mineral exploration. The full report and citation by the Divisional Awards Subcommittee is provided in this issue of WAG. I look forward to seeing a large turnout at the Annual Dinner to help Ravi and the other award recipients celebrate.

The Geological Society of Australia has also been busy this year at the federal level, and several activities have had, or will have, an impact on the WA Division. Major changes to its governance are soon to be implemented, in particular with the election of a new, nine-member National Executive Committee, comprising four State divisional representatives and five general councillors. The WA Division is one of the four state divisions entitled to nominate a representative to serve on the inaugural Governing Council for the next four years. Members interested in nominating for this position should contact Acting Secretary Katy Evans ([k.evans@curtin.edu.au](mailto:k.evans@curtin.edu.au)) for more details prior to the AGM. Nominees will be presented to the Divisional AGM in April for approval – or a vote if there is more than one – and the National Executive will then be notified of the approved nominee. The National Executive will then call for nominations for General Councillors in early April, and a ballot will be conducted prior to the Federal AGM on 6 July. Any member can seek election as a General Councillor.

WA Division members were also involved in the debate around the wording of the Society’s proposed Climate Change Position Statement. After extensive consultation and considerable effort, however, the Federal Executive has now decided to abandon the attempt to produce a Climate Change Statement, citing deep disagreements amongst the membership over the issue, and the consequent inability to produce mutually acceptable wording. Anyone following the debate in TAG will be aware of the depth of feeling from different parts of the Society.

The Federal Executive is also looking into the possibility of providing a professional registration scheme for Society members, although the nature of such a scheme remains to be defined, and there is likely to be considerable debate around this issue, too.

In closing, I look forward to what promises to be another active year for the WA Division, and I again urge all members to support the Society through word or deed, and take an active role in its future.

Trevor Beardsmore  
Chairman  
Geological Society of Australia – Western Australia Division

Table 1: Western Australia Divisional Committee Members

<b>Position</b>	<b>April 2013–April 2014</b>	<b>Proposed: April 2014–April 2015</b>
Chair	Trevor Beardsmore (GSWA)	Trevor Beardsmore (GSWA)
Vice Chair	Vacant	Vacant
Secretary	Angela Halfpenny (to Sept 2013) Katy Evans (proxy from Sept 2013)	Katy Evans/Aaron Hunter
Treasurer	Stephen Wyche (GSWA)	Stephen Wyche (GSWA)
WAG Editor(s)	Stephen White (GSWA) Roger Bateman (Consultant)	Roger Bateman (Consultant)
WAG Business Manager	Chris Kirkland (GSWA)	Greg Lester (Curtin University)
Committee	Douglas Allen (Consultant) Paul Askins (Consultant) Jane Collins (Consultant) Tram Do (Curtin student) Katy Evans (Curtin University) Caroline Mather (UWA Student) Chris Yeats (CSIRO)	Douglas Allen (Consultant) Paul Askins (Consultant) Greg Lester (Curtin University) Katy Evans (Curtin University) Rachell Fuller (Consultant) Chris Kirkland (GSWA) Suzanne Murray Andrew Skogings (Amcol) Chris Yeats (CSIRO)
Awards	Charles Butt (CSIRO)	Charles Butt (CSIRO)
Education and Vocation	Joanne Watkins (ESWA)	Joanne Watkins (ESWA)
Geological Heritage	Margaret Brocx (Murdoch University)	Margaret Brocx (Murdoch University)
Stratigraphic Nomenclature	Roger Hocking (GSWA)	Milo Barham (Curtin University)

Table 2: Monthly Meetings, May 2012 – April 2013

<b>2013</b>		
1 May	Peter Haines	The Petermann Orogeny: syn-tectonic sediment pulse across the Centralian Superbasin and beyond traced by detrital zircon ages and Lu-Hf isotopes
5 June	Belinda Godel	High-resolution X-ray computed tomography (HRXRCT) and 3D characterization of geological materials
3 July	Cam McCuaig (Gibb Maitland Medallist)	Multiscale structural controls on mineral systems
7 August	Steven Kane	Sedimentology and Geochemical Characterisation of Early Permian Shales, Irwin Terrace, Northern Perth Basin
4 September	Steve Hollis	Volcanic-hosted massive sulfide mineralization in the Yilgarn Craton, Western Australia: greenstone prospectivity and recent developments
2 October	Steve Barnes	The ultramafic to felsic volcanic assemblage in the east Yilgarn Craton: large igneous province or subduction–accretion complex?
6 November	Tony Kemp	A Geotour through the Hidaki crustal section, Japan
6 December	<b>Joint AIG-GSA Christmas Cruise</b>	
<b>2014</b>		
5 February	Laurie Hutton (GSA President)	Rare earth elements and critical elements exploration
5 March	Phil Playford	Recent mega-tsunamis along the Shark Bay, Pilbara, and Kimberley coasts
2 April	<b>Annual General Meeting</b>	
	Prof. Marjorie Chan	Mars for Earthlings: Using Earth Analogs to Decode the Sedimentary History of Mars.

Table 3: Divisional Awards 2013-14

<b>Award</b>	<b>2013-14 Recipient</b>	<b>Basis for the award</b>
Gibb Maitland Medal	Dr. Ravi Anand	Substantial contributions to geoscience in Western Australia, with particular consideration given to contributions that relate to the occurrence or discovery of mineral resources
Talbot Prize	TBA	Best Honours thesis at The University of Western Australia with a significant fieldwork component
GSA Medal	Derek Clauson	Best undergraduate results in the final year of the BSc (Applied Geology) degree at Curtin University of Technology
WACE Prize	Liesel Morgan, La Salle College	Best aggregate score in the Earth and Environmental Science WA Certificate of Education



## Treasurer's Report

The GSA (WA Division) maintained a healthy financial position in 2013. The new financial reporting arrangements appear to be working well.

The consolidation of the Goldman Sachs and JB Were accounts was completed in early 2013. The GSA(WA) Division portfolio now consists of the pre-existing Commonwealth Bank cheque account and two JB Were Cash Trust accounts. Once we receive instructions from head office, all these accounts will be consolidated into an account that head office will be able to view, but which GSA(WA) will continue to control.

Financial highlights for 2013 include:

- As of 31 December 2013, the WA Division had total equity of \$84,831.24, this amount being divided between investments with JB Were and our working cheque account.
- Membership dues (capitation) received from Head Office amounted to \$7,377.85.
- Advertising income from the West Australian Geologist (WAG) totaled \$1,518. There are no regular production costs.
- The Annual Dinner and Awards Night lost \$1911.78 (including costs of prizes and medals). However, a larger loss was substantially mitigated by a \$1500 donation from the CET. Subsequent discussion recommended trying a new model for the dinner. The drinks package chosen for the night proved to be quite expensive.
- The Division paid \$475 towards the subsidy of the 2012 joint GSA/AIG river cruise function.
- During 2013, the Division paid one \$1000 bursary to assist a student with a field project; donated \$2750 towards printing the ESWA field guide; supported an ASEG tech night (\$200).
- Other minor expenses included the post office box, Irish Club memberships for meetings venue use, payment for page setting for one issue of the WAG, and payment for speakers' meals at monthly meetings.
- The net financial result for the WA Division at the end of the calendar year 2013 was a positive result of \$4004.96, which represents the difference between December 2012 *total equity* (\$80,826.28) and December 2013 *total equity* (\$84,831.24).

At the end of 2013, the Division's overall budget remains in good shape, with no financial issues of concern. The outstanding matter to be dealt with is the consolidation of all bank accounts. I am awaiting instructions from head office before proceeding with this.

Stephen Wyche  
Treasurer  
Geological Society of Australia – Western Australia Division

## West Australian Geologist Editors' Report

Issue 500 of "West Australian Geologist" was a Special Edition marking 500 editions and 50 years of publication. Since then, another six 6 2-monthly editions have been produced on schedule. These have carried abstracts and dates for monthly meetings, other news from the GSA's Western Australian Division, reports of activity from CSIRO and GSWA, tables of contents from the Australian Journal of Earth Sciences, and other diverse articles. The editorial objective is to provide both information and interest.

Stephen White (GSWA) has edited the magazine for 4½ years (since Oct/Nov 2009), and is now stepping down. The Division owes Stephen a considerable vote of thanks for maintaining a very high standard of newsletter production over a long period. Roger Bateman has co-edited WAG for a few years and is standing to continue in this role.

We constantly hope for contributions of any type – book reviews, photographs, accounts of any geological interest – from all members in order to keep the magazine going at a high level of diversity, interest and quality.

Stephen White, Roger Bateman  
WAG Editors  
Geological Society of Australia – Western Australia Division

## Geological Heritage Report

The GSA is to partner in the IUCN World Parks Congress being hosted by Australia, in Sydney, in November 12-19, 2014. As State Convenor (and National Convenor) for Geological Heritage I will promote recognition that *geology is a fundamental component of nature* in Theme 1. *Reaching conservation goals*. This is the only science-based theme, and to my knowledge, it is the first time that Geological Associations will be partnering with biologists in an IUCN World Parks Congress. There are two components to representing the Society at this International Congress that sets the agenda for Parks management for the next 10 years. Firstly, parks management should involve employing geologists, because geology and geological processes underpin biodiversity, i.e., geodiversity underpins biodiversity; and secondly, natural heritage includes geological heritage, made up of many key geosites, as well as landscapes, shaped and defined by their geology, fossils, rocks and minerals. Participation in the 14<sup>th</sup> IUCN World Parks Congress by geologists is an investment in the future. Geology is as much part of our natural heritage as living plants and animals, however, generally geological heritage is under-valued and under threat, even in countries that have relevant conservation legislation and the perturbations and destruction of geology, and consequent loss of geodiversity results in the loss of habitat diversity and biodiversity.

This is an opportunity for Western Australia to showcase its work in the arena of geoheritage, and in integrated environmental management, and provide an exposé on the role of geologists in Parks Management. For example:

- Earth Science Research
- Environmental Forecasting
- Education and Training
- Cultural and Tourism Resource (some places attracting hundreds of thousands of visitors each year)
- Management of Sites of Geoheritage Significance, and
- Integrated Multidisciplinary Environmental Planning and Management

For registration details and more information see <http://worldparkscongress.org/>

Margaret Brocx  
State and National Convenor Geological Heritage  
Geological Society of Australia – Western Australia Division

## **West Australian Geologist (WAG) Business Report**

The West Australian Geologist (WAG) is the bi-monthly newsletter of the Western Australian Division of the Geological Society of Australia.

### *Publishing and Content*

During 2013 six issues of WAG have been published, and have continued to provide an excellent balance between information on upcoming meetings, articles and advertising. Acquiring good and relevant articles remains one of the more difficult parts of the Editors' job, and I urge all members to keep an eye open for possible contributors/contributions. During 2013 WAG continued to be distributed as an online-only magazine to defray printing costs, reduce the work load on editors and to make communication more rapid. Current and previous editions of WAG back to June 2005 are available from <http://www.wa.gsa.org.au/WAG.html>

### *Advertising*

Companies and organizations that sponsored issues of the WAG during 2013 include the Geological Survey of Western Australia, who advertised with us throughout the year and CSIRO, Paul Askins, and Digirock who took out one-off advertisements.

### *Financial Summary*

The figures below are based on invoices issued for the year to 31 Dec 2013. WAG income from advertising and sponsorship 2013 totaled \$1,518.

Advertising has dropped somewhat this year with GSWA and CSIRO, Paul Askins and Digirock taking out adverts. WAG has still had significant difficulty in attracting clients for advertising in 2013, and I would appeal to other institutions to consider advertising their geologically related services and products in the newsletter. The WAG offers a great opportunity to advertise products and services to geologists and related disciplines within Western Australia. Members of the society are encouraged to consider advertising in WAG or promoting it to other potential clients for adverts.

Finally, I would like to thank our 2013 sponsors and advertisers for their support and the editors for a very professional editing job, and all members who have provided content for the WAG during 2013.

Chris Kirkland  
WAG Business Manager  
Geological Society of Australia – Western Australia Division

## Awards Sub-Committee Gibb Maitland Medal, 2014

The Awards Sub-Committee has the role of selecting the Gibb Maitland medallist. This year Sub-Committee comprised Charles Butt (Chair), Bryan Smith, Jon Hronsky and Mick Elias. Jon Hronsky replaced Nick Archibald, who retired from the committee after 13 years. Nick's input and advice was greatly valued and his continued presence on the Sub-committee ensured that a consistent standard was maintained in our selection of Medallists. Because some nominees were close associates of members of the Sub-Committee, and to dispel any perceptions of bias, Mick Elias, a former Chair of the Sub-Committee, was co-opted for this year's round to ensure that at least 3 impartial members considered each nomination. There were five nominations. Three re-considered from previous years, of which one was updated, and two new nominations. The quality of the nominees was again very high, appropriate for maintaining the prestige of the Award, and the nominators are thanked for their efforts in preparing the submissions. The Sub-Committee is pleased to recommend that the 2014 Gibb Maitland Medal be awarded to **Dr Ravinder Anand**, Chief Research Scientist, CSIRO Earth Science and Resource Engineering, Australian Resources Research Centre, Kensington (nominated by Chris Yeats). The suggested citation is as follows:

Dr Ravinder Raj Anand is awarded the 2014 Gibb Maitland Medal for his outstanding contributions to Australian and international science that have impacted significantly on the mineral exploration industry. Dr Anand has over 30 years experience in soil science, regolith geology and exploration geochemistry, principally in Western Australia, focussed especially on developing new and improved methods for mineral exploration in areas of deep weathering and sedimentary cover. His research has spanned from studies of the 3D regolith architecture of a whole greenstone belt, through to studies of the role of soil biota in the formation of soil minerals and the dispersion of metals through barren overburden. This work has led directly to more technically-effective and cost-effective exploration, and contributed to major new mineral discoveries in Australia and abroad. Dr Anand has also been committed to the wide dissemination of his research results through extensive publications, seminars, numerous professional development courses and the supervision of more than 35 Honours, PhD and postdoctoral students. He has made a sustained contribution to regolith geoscience through both his own research and his research leadership in CSIRO and CRC LEME. and is internationally recognized as the leader in his field. The Geological Society is pleased to award Dr Ravi Anand the 2014 Gibb Maitland medal.

C.R.M. Butt  
Awards Subcommittee  
Geological Society of Australia – Western Australia Division

# **Geological Society of Australia**

## **Western Australia Division 2014 Annual General Meeting**

**2<sup>nd</sup> April**



# Geological Society of Australia Western Australia Division 2014 Annual General Meeting



## Agenda

- Apologies
- Minutes of 2013 AGM
- Annual Reports 2013-2014
  - Chair
  - Treasurer
  - WAG Business & Editors Reports
  - Subcommittees
    - Awards
    - Geological Heritage
- Committee changes
- New Members
- Other Business
- Monthly Seminar – Prof Marjorie Chan

# Geological Society of Australia Western Australia Division 2014 Annual General Meeting



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# Geological Society of Australia Western Australia Division 2014 Annual General Meeting



## Chairman's Report

- 1<sup>st</sup> year as Chair
- Highlights
  - New student bursary scheme
  - Earth Science Careers Night
  - Impending new ESWA field guide to SW WA
  - 50<sup>th</sup> Anniversary of WAG Newsletter
  - WA Division to be represented on National Council
- Challenges (on-going)
  - Relevance of GSA
  - Member engagement – Committee and generally
- Thank you to the Committee

# Geological Society of Australia Western Australia Division 2014 Annual General Meeting



## Treasurer's Report

- Total Reserves of \$84,831 at 31 December 2013

### FINANCIAL HIGHLIGHTS

- Income - Membership dues: \$7,378
  - Advertising revenue: \$1,518 (down)
  - Dinner sponsorship by UWA-CET: \$1,500
- Expenses - Subsidies to members (dinner, Christmas cruise): \$1387
  - Donations to student societies, to support student attendance at conferences, prizes and ESWA \$4,950
- Nett profit: \$4,005 (up)

# Geological Society of Australia Western Australia Division 2014 Annual General Meeting



## WAG Business and Editor Reports

- Remains the best Divisional Newsletter in the GSA
- 50<sup>th</sup> Anniversary in 2013
- Seven issues in 2013-14 (including April 2014)
- Colour e-journal since 2009, with significant cost savings
- Advertising and sponsorship significantly down
- Past supporters thanked (GSWA, CSIRO, Digirock, Askins)
- Thanks to masterful Editors White and Bateman
- Members invited to contribute general interest articles

# Geological Society of Australia Western Australia Division 2014 Annual General Meeting



## Awards Subcommittee

### DIVISIONAL AWARDS 2014

Award	2014 Recipient	Basis for the award
Gibb Maitland Medal	Ravi Anand	Substantial contributions to geoscience in Western Australia, with particular consideration given to contributions that relate to the occurrence or discovery of mineral resources
Talbot Prize	TBA	Best Honours thesis at The University of Western Australia with a significant fieldwork component
GSA Medal	Derek Clausen	Best undergraduate results in the final year of the BSc (Applied Geology) degree at Curtin University of Technology
WACE Prize	Liesel Morgan, La Salle College	Best aggregate score in the Earth and Environmental Science WA Certificate of Education

# **Geological Society of Australia Western Australia Division 2014 Annual General Meeting**



## **Geological Heritage Subcommittee**

- Margaret Brocx continues as Federal heritage subcommittee chair.
- GSA to be involved in IUCN World Parks Congress in November 2014
- Promote role of geology in park management, including natural heritage education
- National Rock Garden inaugurated – WA Federation rocks are two 11t specimens of BIF (FMG funded)

# Geological Society of Australia Western Australia Division 2014 Annual General Meeting



## Agenda

- Apologies
- Minutes of 2013 AGM
- Annual Reports 2013-2014
  - Chair
  - Treasurer
  - WAG Business & Editors Reports
  - Subcommittees
    - Awards
    - Geological Heritage
- **Committee changes**
- New Members
- Other Business
- Monthly Seminar – Prof Marjorie Chan

# Geological Society of Australia Western Australia Division 2014 Annual General Meeting



## New Office Bearers

- Call for nominations for Vice Chair and Secretary
- Other Executive carry over into 2<sup>nd</sup> year
- Business Manager, WAG Editor and several other committee members stepped aside
- Plenty of nominations for endorsement:
  - Business Manager – Greg Lester
  - WAG Editor – Roger Bateman (continuing)
  - Stratigraphic Nomenclature - Milo Barham
  - Secretary in waiting – Aaron Hunter
  - General members - Rachell Fuller, Suzanne Murray, Andrew Skogings
- Thanks and appreciation to all past and present committee



# Geological Society of Australia Western Australia Division 2014 Annual General Meeting



## Thanks to past and present Committee!

Position	April 2013–April 2014	Proposed: April 2014–April 2015
<b>Chair</b>	Trevor Beardsmore (GSWA)	Trevor Beardsmore (GSWA)
<b>Vice Chair</b>	<i>Vacant</i>	<i>Vacant</i>
<b>Secretary</b>	Angela Halfpenny (to Sept 2013) Katy Evans (proxy from Sept 2013)	Katy Evans/Aaron Hunter
<b>Treasurer</b>	Stephen Wyche (GSWA)	Stephen Wyche (GSWA)
<b>WAG Editor(s)</b>	Stephen White (GSWA) Roger Bateman (Consultant)	Roger Bateman (Consultant)
<b>WAG Business Manager</b>	Chris Kirkland (GSWA)	Greg Lester (Curtin University)
<b>General Committee</b>	Douglas Allen (Consultant)	Douglas Allen (Consultant)
	Paul Askins (Consultant)	Paul Askins (Consultant)
	Jane Collins (Consultant)	Milo Barham (Curtin University)
	Tram Do (Curtin student)	Greg Lester (Curtin University)
	Katy Evans (Curtin University)	Katy Evans (Curtin University)
	Caroline Mather (UWA Student)	Rachell Fuller (Consultant)
	Chris Yeats (CSIRO)	Luke Hersey (Student - Curtin University)
		Chris Kirkland (GSWA)
		Suzanne Murray
		Andrew Skogings (Amcol)
		Chris Yeats (CSIRO)
		<i>Vacant (Student – UWA)</i>
<b>SUBCOMMITTEE CHAIRS</b>		
<b>Awards</b>	Charles Butt (CSIRO)	Charles Butt (CSIRO)
<b>Education and Vocation</b>	Joanne Watkins (ESWA)	Joanne Watkins (ESWA)
<b>Geological Heritage</b>	Margaret Brocx (Murdoch University)	Margaret Brocx (Murdoch University)
<b>Stratigraphic Nomenclature</b>	Roger Hocking (GSWA)	Milo Barham (Curtin University)

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**Geological Society of Australia  
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**New Members**

Rick Newick  
Natasha Barrett

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## National Council Representative

- New GSA National Governance structure to be implemented, comprising:
  - Four State Divisional Councillors
  - Five General Councillors
- WA Division represented during 2014-2018
- National Executive to be notified of endorsed Division Representative by mid April
- Nominations invited for General Councillors from late April

WA Division Nominee: **Roger Bateman**

**Geological Society of Australia  
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**61st Annual Dinner and Awards Night**

**Friday 2 May 2014**

**Gypsy Tapas House**

**Cnr Queen & High Streets, Fremantle**

**\$65 each for member + 1 guest**

**\$40 for student members**

**\$85 for non-members**

**RSVP Friday 25<sup>th</sup> April 2014**

**(on-line registration and payment –**

**see advert in Apr-May WAG)**

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