

**JULY**  
**NEWSLETTER**  
**2007**  
*What's On?*



**E. de C. Clarke**  
**Earth Science**  
**MUSEUM**

**Friday August 31st 2007**

**INAUGURAL FRIENDS MIXER: JOINT  
UWA FRIENDS FUNCTION:  
*\*see enclosed invitation for details\****

**THIS IS THE FIRST TIME THERE HAS BEEN A FUNCTION TO INCLUDE ALL UWA FRIENDS GROUPS - FIND OUT ABOUT SOME OF THE OTHERS YOU MAY BE INTERESTED IN.**

**NB You can RSVP up to August 24th. EVERYONE WHO WANTS TO COME NEEDS TO REPLY TO THE ENCLOSED INVITATION AND INCLUDE PAYMENT: please do not just turn up!!**

***where?*** In the Undercroft (ground floor of Winthrop Hall) at the University of Western Australia.

***when?*** From 6.00pm to 7.30pm.on Friday August 31st 2007

**\*\*\*Don't forget that YOU HAVE TO BOOK AND PAY beforehand.\*\*\*\***

**[www.earthmuseum.segs.uwa.edu.au](http://www.earthmuseum.segs.uwa.edu.au)**

## **OTHER FRIENDS ACTIVITIES for 2007**

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### **Science Week 18th-25th August**

**"Consult the Rock Doctor for a free diagnosis"**

Bring your specimens in to the Museum and/or get your Earth Science questions answered by Rock Doctor Jenny Bevan.

The Museum will be open from 9.30am to 4.30pm (closed over lunch 12.30-1.30pm) EVERY DAY INCLUDING SATURDAY.



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### **UWA EXPO Sunday 19th August 9am-4pm**

EXPO is a chance for prospective students and ANYONE interested in what UWA has to offer to come along and have a look! There will be talks on the various subjects studied here, displays (some hands-on), music and other events, tours and demonstrations.

Have a look at some of the labs and facilities and talk to staff and students about what makes UWA tick.

Our SEGS displays are in the UNDERCROFT below Winthrop Hall with the rest of our Faculty, and there will be extra stuff in the Museum and foyer.

NB Volunteers needed to help with the Museum on this day.

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### **Friends' FIELD TRIP to Southern Cross area**

(expected to be a 3-day weekend trip around 6th-7th October)

EXPRESSIONS OF INTEREST REQUIRED FOR THIS TRIP: please contact Mignonne (9341 6746 or 041 895 5979 or sacko@multiline.com.au) or Jenny (see back page for contact details).

The last Friends Excursion was to the **Boral Quarry, Orange Grove**, on May 19th. The weather was kind and we found out a lot about the processes involved in quarrying roadstone, including the rehabilitation and care of the site, from the friendly and informative Boral people on the day. Some of us went on the minibus tour round the various parts of the quarry more than once - AND had more than one of the free hot dogs and drinks!

We enjoyed climbing into the enormous (but stationary) vehicles and receiving our complimentary "One Day Dump Truck Operators Licence"

This is an ANNUAL event held by the quarry and, if you missed out this year, make a resolution to go next year when you see the adverts for it.



W.A. LAPIDARY & ROCKHUNTING CLUB INC.

[www.walapidaryclub.com](http://www.walapidaryclub.com)

## ANNUAL EXHIBITION 2007

Gemstones - Jewellery - Fossils - Minerals

TWO WEEKENDS

18/19th August and 25/26th August

at the clubrooms, cnr. Gladstone Road and Newey Street, Rivervale

**Theme: 50 GOLDEN YEARS OF LAPIDARY**

- demonstrations
- sale of specimens
- silverwork
- faceted stones
- photographic exhibition
- gemstone lucky dips



### SCIENCE FAIR

The next Science Fair will be held at St Stephen's Senior High School, Duncraig, on 26th September. These are fun events open to all, suitable for all ages. Around three dozen displays, many hands-on, show you a sampler of sciences: talk to the attendant scientists and find out why their specialities are so fascinating.

I will be there with a 3-D display on Minerals and Crystals. More information on their website ([www.triples.org.au](http://www.triples.org.au)) or ask me.

[www.earthmuseum.segs.uwa.edu.au](http://www.earthmuseum.segs.uwa.edu.au)

## **EXHIBITION: Super Pit Interpretive Centre**

**- An exhibition by the Faculty of Architecture, Landscape and Visual Arts**

**in the Cullity Gallery** - UWA campus, corner of Stirling Highway and Clifton Street, Nedlands

The work exhibited is part of a unique speculative collaboration between students from the Faculty of Architecture, Landscape and Visual Arts and Kalgoorlie Consolidated Gold Mines (KCGM).

A brief was developed for the design of an Interpretive Centre, which would be built at the Goldfields' Superpit mine at the end of its economic life. The building designed to house a lookout, archive, shop and restaurant would provide an understanding of the Golden Mile's diverse history.

For more information: Joy Gilsenan, joy.gilsenan@uwa.edu.au (08) 64882582

**The exhibition runs from Friday, 3rd August to Friday, 31st August.**



## **The Virtual Universe Project**

**A 3-dimensional Virtual World for the UWA Campus  
- a National Science Week Project**

This should be available from the **18th August**. Anyone will be able to log on and participate online. You will be provided with an AVATAR (a small virtual figure) which you will then see exploring the virtual UWA campus and interacting with other avatars and objects such as buildings.

**One room in each building will be available for your avatar to explore, and by clicking on an object such as a building you can obtain information. This is a fun way to promote UWA and our courses. The room chosen for our building is the MUSEUM and hundreds of photos were taken to be "stitched together" to provide the virtual 3-D image. You will be able to ask for directions from one part of the campus to another, and see your avatar being guided along the route!**

**\*\*\*\*\*NB I WILL POST THE DETAILS ON THE MUSEUM WEBSITE WHEN THIS IS UP AND RUNNING\*\*\*\*\***

## Guidebook to the Pegmatites of Western Australia

Western Australia is a treasure trove. Emeralds, green tourmalines, purple lepidolite, lustrous black tantalite and other minerals are found in pegmatites scattered across the vastness of Western Australia. Fossickers, prospectors, and miners have searched out and mined these pegmatites since the late 1800s. Successive mineral booms for cassiterite, muscovite, beryl, lithium, feldspar and most recently tantalum during the 1990s resulted in further pegmatite exploration. The locations, directions to the deposits and descriptions of these localities are often buried in obscure or unpublished reports or even kept secret by a handful of fossickers.

*The Guidebook to the Pegmatites of Western Australia summarises the history, geology and mineralogy for all the known pegmatites in Western Australia. Most importantly, the book provides specific, geodetic locations of these deposits and their ownership where known. As such, this guidebook is an excellent first tool for planning recreational fossicking trips to Western Australian localities. For professional geologists first encountering Western Australia, the guidebook is an excellent introduction to the pegmatites and their economic minerals, containing first hand information, in some cases available no where else.*

*For armchair collectors with purchased mineral specimens, the guidebook will help clarify labels of minerals attributed to Western Australian pegmatites. More than 200 pegmatite groups are described with 75 maps and 100 pictures in 340 pages, completely referenced. Each pegmatite group is located, directions given to the locality, its mining history, geology and mineralogy. This book is an essential companion to Edward S. Simpson's 1948-52, Minerals of Western Australia, locating the sources of his described pegmatite minerals.*

The authors of the guidebook know their subject. **Mark Andrew Calderwood** is a second generation pegmatite geologist-mineralogist, who started exploring and mining Western Australian pegmatites with his father in the 1970s. He has personally mined more than a few of the described localities and currently manages a tantalite deposit in Africa. **Benjamin Alexander Grguric** is a professional mineralogist and a life-long fossicker. **Mark Ivan Jacobson** is also a geologist-mineralogist with a specialty in pegmatites since the 1970s. These three have combined their experiences, providing the reader with the results of their searching and finding pegmatites in Western Australia.

[ISBN 0 85905 378 4], (2007 New),

Case bound, laminated, 394pp, well illustrated, 830 grams, \$85.00\*

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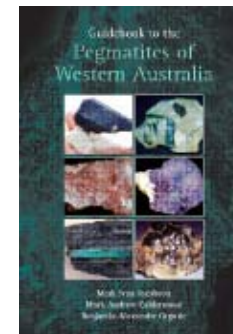
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# DISCOVER THE EARTH BENEATH OUR FEET

**17 - 20 August 2008 Esplanade Hotel, Fremantle**

The United Nations has proclaimed 2008 to be the International Year of Planet Earth. One of the central aims of the year is to 'increase interest in the Earth Sciences at large'.

This **inaugural Global Geotourism Conference** aims to:

- Promote wider community awareness and protection of our geological heritage.
- Bring together geoscientists, tourism practitioners, academics and protected area managers with a view to strengthening and promoting the discipline of geotourism.
- Discuss the role of geotourism as an academic discipline providing the framework and training for the practical application of geotourism.
- Discuss the core content of geotourism namely: geosite attractions and development, the geopark concept, visitor management and geosite/landscape interpretation and management.
- Set the scene for the integration of geological attractions as an essential component of nature-based tourism and ecotourism.

**Geotourism** describes the resources, activities and management of visitor activity centered on rock exposures, landforms and fossils in a wide variety of natural landscapes. In discussing and engaging all aspects of geotourism this conference will highlight its status as a conservation tool, educational process and nature-based tourism activity. Moreover, an understanding of the 'form-process' link that is important in geology can be delivered via geotourism and the consequences of geological landforms and activities on our lives can thus be better understood. This unique conference will include case studies which showcase the issues involved in the management and care of such attractions, and cover topics such as sustainability, impacts and environmental issues.

## **field trips**

A number of field trips will be offered to geotourism areas in the Perth metropolitan area as well as longer trips to some geologically significant areas of the State.

## **workshops**

- Promotion of geotourism and emerging geotourism destinations
- Geosite interpretation
- Soils and superficial deposits as tourism attractions
- Value of geoparks
- Geological tour guide training
- Integration of geotourism with nature-based and ecotourism
- Advances in geosite visitor management
- Managing geosite facility development



**who should attend?**

- Geoscientists
- Protected area managers
- Natural area interpretation staff
- Tour operators
- Academics
- Tourism professionals
- Local government staff responsible for the administration of natural areas
- Museum staff
- Conservation groups
- National Park rangers

**themes**

- Developing geosite attractions (product, experience, tours and facilities)
- Linking geotourism with other aspects of tourism
- Geoparks Visitor management at geosites
- Understanding impact
- Sensitive sites (caves, waterfalls, friable sites)
- Fossil/specimen collection
- Health and safety aspects
- Education and interpretation
- Role of museums, visitor centres and guided tours
- Schools curricula
- Role of the mining sector in geotourism
- Use of quarries and previously mined areas
- Role of geotourism in geoconservation and sustainability
- Marketing and expanding the scope of geotourism
- New sites and attractions



**further information**

All enquiries should be directed to the conference organisers:  
Promaco Conventions Pty Ltd PO Box 890, Canning Bridge, Western Australia 6153  
Tel: +61 8 9332 2900 Fax: +61 8 9332 2911  
Email: [promaco@promaco.com.au](mailto:promaco@promaco.com.au)

**conference website**

[www.promaco.com.au/2008/geotm](http://www.promaco.com.au/2008/geotm)

[www.earthmuseum.segs.uwa.edu.au](http://www.earthmuseum.segs.uwa.edu.au)

## MUSEUM ROSTER:

Allan Hart organises the Roster:

**Allan's Phone Numbers: 6211 0006 (work) \*best option\***  
**0401 612 505 (evening)**

**Allan's Email Address: allan.hart.perth@hotmail.com**

\*\*\*\* Roster to end Aug \*\*\*\*

Jul 8	Stella H	Aug 5	David C
Jul 15	Tony D	Aug 12	Mike F
Jul 22	Allan H	Aug 19 (EXPO)	Bill F plus others
Jul 29	Allan W	Aug 26	

**Help! we need to get people for the next few months, so if you can, please help by contacting Allan and offering to do a Sunday duty soon. Remember you can also contact me (6488 2681) or Mignonne (9341 6746 or 041 895 5979) if you have any queries.**

Thanks so much, all of you, who have helped by being on the roster! Even if you don't get many visitors, it is important to be open when we promise we will be open, and who knows, your visitor may spread the word to others (and even be the reason why a student does Earth Science at U.W.A!). Any problems, let Allan, Mignonne or myself know.

**IMPORTANT!!!!!! For People on Museum duty!!!!!!!!!!!!!!**

**\*\*SECURITY ARE BACK IN Carpark I.** Check with them when you come to do your duty by **calling in to the office** or **'phone 6488 3020**.  
 (NB The Art Gallery will be closed until August so you cannot use their 'phone or toilets.)

**Remember, if you are unable to be a "Friend" by doing a roster, the alternative is to give a donation towards newsletter expenses etc.: \$20 is suggested. Don't forget your contribution for 2007!!** We also welcome extra donations from generous Friends!

**\*\*NB\*\*Please make cheques payable to: "UWA" (must be UWA, otherwise we cannot pay it in). Send to:**

**Postal address:** Mrs J C Bevan, E de C Clarke Earth Science Museum  
 School of Earth & Geographical Sciences, UWA M004  
 35 Stirling Highway, CRAWLEY, WA 6009

**Tel:** 08 6488 2681 **Fax:** 08 6488 1037 **Email:** jbevan@cyllene.uwa.edu.au

**Website:** www.earthmuseum.segs.uwa.edu.au