



# The Rock Record - March, 2015

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*Please contribute to the SGS Newsletter*

The SGS Newsletter is produced by the SGS executive. Letters, announcements, notices, comments, photos, news and information about SGS members, etc. are always welcome. Call an executive member or write to us at:

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## Saskatchewan Geological Society Luncheon Talk

**Wednesday, April 1<sup>st</sup>**

Cathy Busby (AAPG distinguished lecturer)  
Geology of Modern and Ancient Oceanic Arcs

Ramada Hotel, 1818 Victoria Avenue, Regina  
Poplar Room, 3rd Floor

**Lunch: 11:45 a.m.**

**Meeting talk: 12:15-1:00 p.m.**

For lunch the cost is:

Members: \$15.00

Student Members: \$5.00

Non-Members: \$20.00

For those not having lunch the talk is free

Please contact Jason Cosford at [cosford@jdmollard.com](mailto:cosford@jdmollard.com)  
or 306-352-8811 before noon, Friday, March 27<sup>th</sup>  
if you are planning to have lunch.

**For those not having lunch the talk is free**

## DETAILS OF NEXT LUNCHEON TALK

### Cathy Busby

Cathy Busby has been a professor at the University of California for 32 years. Her B.Sc. is from Berkeley, and her Ph.D. is from Princeton, both in Geological Sciences. Cathy is a field-based geologist, doing research in sedimentology, volcanology, and structural geology, in convergent margin and rift tectonic settings. Her work is mainly sponsored by the National Science Foundation, but has also been supported by the geothermal, mineral and petroleum industries, and the U.S. Geological Survey. Most recently, Cathy has become involved in oceanographic research, serving as Co-Chief Scientist on International Ocean Discovery Program Expedition 350 to the Izu-Bonin arc (2014). Cathy teaches short courses and field workshops on sedimentary tectonics, deepwater sedimentation, and volcanic-volcaniclastic geology.

### ABSTRACT

#### Geology of Modern and Ancient Oceanic Arcs

Recent years have seen major advances in understanding of the tectonic, volcanic, and sedimentary character of modern oceanic arcs, through the use of submersibles, ROVs, dredging, coring and geophysical studies. On-land studies of accreted oceanic arcs are highly complementary to this work because they provide much more complete, three-dimensional, time-integrated views of their geology; however, they are limited by the fact that the record is not in situ. For a comprehensive understanding of the geologic evolution of oceanic arcs, oceanographic and outcrop-based data sets must be integrated. The geology of the Izu-Bonin-Marianas arc is better known than any other modern oceanic arc system. Mesozoic oceanic arc rocks of Western Mexico are more extensive, better studied and, in Baja California, are arguably less deformed and better exposed than any other accreted oceanic arc rocks on Earth. The two systems are also very similar, making them ideal for comparative studies, interpreted in the context of global studies of modern and ancient oceanic arcs.



## NEWS AND EVENTS

### President's Blog - Engagement

After writing this and the re-reading it a day later, I thought I should probably not include it in this newsletter. Then I decided to include it after all, tone it down a bit and add this little intro piece, in which I am telling you before you get to my rant that I admit to being one of the 'offenders'. And also I promise that next month I will try something more positive and uplifting, maybe even try to build it around geoscience. Anyway, so here it goes.

I recently had a discussion with David MacDougall about geologists' engagement or lack thereof. Actually, thinking back now, I think the conversation was rather one-sided, probably more of a lecturing rant, but one of those polite British ones, kind of John Oliver-style. The gist of Dave's spiel was that the geoscientists of the province should take a more active role within the organization that in part bears their name: The Association of Engineers and Professional Geoscientists of Saskatchewan. Now, some of you are probably going to roll your eyes, but before you stop reading, consider that APEGS does an awful lot for each of us. Next time you see Dave, ask him and he will tell you what all of those things are. As mentioned in the introduction, I think I belong in the 'eye-rolling category' myself. So what's to be done? For a start, we could plan to attend the 85<sup>th</sup> APEGS annual meeting, April 30<sup>th</sup> to May 2<sup>nd</sup>. David MacDougall has been very busy on the organizing committee and the committee as a whole has invested a lot of time and effort to making this an interesting meeting. There are good talks with geoscience content; interesting engineering presentations; free lunches; no admission. What's not to like? And to make it even more interesting – if you plan to attend the Saturday night banquet, you can celebrate one of our own: Dr. Charlie Harper is the third geoscientist to be awarded the APEGS outstanding achievement award, after Boen Tan in 2008 and Klaus Lehnert-Thiel in 2010. After the annual meeting, I guess a next step could be to consider volunteering for one of APEGS' committees.

To continue with the theme of engagement, I am wondering why our society is having such a difficult time to engage our membership? Why is it so hard to get people interested in joining the executive; why is it always the same small group of volunteers to help out at our events; even the events themselves are apparently unable to attract the interest of our active members. The bonspiel attracted six active members, and without our student members we would have had to cancel it. Last year's golf tournament attracted four teams. Possibly the executive is to blame for part of this (I guess I am talking about myself here), in that we sent the notice for the bonspiel out too late. Probably a large part is that we are all overwhelmed with emails and work and too many things on the go. Whatever the reason, I would like to encourage everyone to try and do a bit more. And since Anette has instilled in me that I should always strive to be constructive and positive, I would like to congratulate everybody for having come out in full force to our own AGM in early February. As well, most of our luncheon talks have given us good crowds. So let's try and build on that.

So please engage with the Society, call me out on what I have presented here or agree with me, visit our website and provide positive or negative feedback, like us on Facebook, and if you don't like us, tell us why, write a paragraph for inclusion in the next newsletter. Let's all try to be a bit more engaged.

Ralf Maxeiner



## SGS and DM Kent Club Annual Curling Bonspiel March 7, 2015

### Monica Cliveti (Business Manager)

First of all, I would like to thank to all participants as their presence made this event possible. The event was well represented by seven student teams, but not so well represented by the professional branch of the SGS. Curlers, of all levels and with a drive to win, met on the ice at the Tartan Curling Club on March 7, 2015. The competition was fierce for the 1<sup>st</sup> place with a student team (John, Derek, Jared and Keane) taking away the trophy. We have to mention that some of the members of this team won the trophy last year as well. Is there a trend? Are they the undefeated champions to be feared in next year's competition? For the first time in a long while, we also got a tie for the 3<sup>rd</sup> place, a tie that stayed unresolved as both teams "threw in the towels". The Best Costume Prize was awarded to the team "Globe Trotters Harlem". We should have awarded them also the prize for the most valiant team, as they played all the games in shorts, but towards the end they used jackets.

On the sponsor side we have to thank our generous sponsors that made the event a success. Thank you (in alphabetical order): APEGS, Boston Pizza, Butcher Boy, JD Mollard and Assoc., Knight Archer, Nicky's Café, Regina Minor Football League, Regina Multicultural Council, SGS, SMA, University of Regina Rams, University of Regina, and Department of Geology Professors for donating the prizes and consequently, supporting our mission of educating, providing a network of professionals for the students and mentoring. One final thank you has to go towards the Tartan Club Catering facility that provided the great pizza to appease the stomachs of the hungry curlers (after 4 hours of play). And finally, a big thank you to Lynn Kelley for managing the bonspiel.

Overall it was a good time, and maybe, next year we will manage to attract more people in this adventure of fellowship on the ice.



*The winning team in action. (Photo courtesy of Ralf Maxeiner)*



## Annual Golf Tournament

Please mark the date for this year's golf tournament: September 11, 2015. We will try something different to attract more people to it this year. We will play a 9-hole Texas scramble instead of the regular 18-hole. It will be shorter this way and should also be a bit cheaper. Please plan to attend. If you would like to help in organizing the tournament, please get in touch with our business manager, Monica Cliveti, and ask her how you can help.

## APEGS AGM

As mentioned in my blog, please take note of the date and time of the 85<sup>th</sup> APEGS annual meeting, April 30 to May 2, 2015. Please [go here](#) to find out more details about the meeting and to register for the various events. Most are free.

## 2015 Field Trip

### *John Lake, SGS Field Trip Coordinator*

This year the Saskatchewan Geological Society is going to Montana for the Annual Field Trip. The Trip will run from August 21-25. Montana offers excellent exposures of Igneous and Sedimentary rocks as well as excellent Structural Geology. We are in the planning stage for the Field Trip but tentatively expect to visit the Stillwater Igneous Complex, Shonkin Laccolith, Sappington (Devonian Bakken Equivalent), Madison (Mississippian) etc. Book early to avoid disappointment. Please contact [John Lake](#) to reserve your spot.

## Membership

SGS membership is on a calendar year basis. Please renew your membership for 2015 if you have not already done so. The most convenient way to renew your membership is to do it online and pay by paypal; you do not need a PayPal account to do this: <http://sgshome.ca/membership>.

Please note that we are currently experiencing problems with the use of PayPal on our website. It is working properly in some cases but not in others. We are currently trying to determine what the problem is and how to resolve it. If you are trying to renew via PayPal and are having trouble, please contact us.

## Geological Calendar Committee

We are on track to produce the first Saskatchewan geological calendar featuring the geoscientific diversity and beauty our province has to offer. Most recently we have had the first round of cuts, where we cut down the 300 photos entered, to a shortlist of 48. The next step will be to condense it to 12 photos, a difficult process. There are many great entries (it seemed that half of them were from the Dale/Ashton household and there were a lot of mylonite and calcareous fen pictures).



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