



# The Rock Record – January 2018

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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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SGS Website: [www.sgshome.ca](http://www.sgshome.ca)

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## Saskatchewan Geological Society Lecture

Wednesday, January 31<sup>st</sup>, 2018

### Wind, Dust and Sand in the Mississippian of the Northern Williston Basin

**Dr. D. M. Kent**

Department of Geology, University of Regina  
(abstract & bio below)

Bushwakker Brewing Company,  
2206 Dewdney Avenue, Regina

Lunch: 11:45 am

Meeting Talk: 12:15 to ~1:00 pm

For lunch, the cost is:

S.G.S Members: \$15.00

Student Members: \$5.00

Non-members: \$20.00

For those members not having lunch, the talk is free.

Please contact Kim Kreis [k.kreis@sasktel.net](mailto:k.kreis@sasktel.net) or 306-539-9835 by 10:00 am, Monday, January 29th if you plan on having lunch.

Hope to see you there.

*Saskatchewan Geological Society*

## Abstract

Core and well log interpretations suggest that the quartz sands in the Mississippian rocks of the northern Williston Basin were sourced in the east and northeast. Sedimentary structures as observed in core suggest deposition in both marine and non-marine settings. Marine bodies vary in thickness from 6m to >30m and are commonly linear. Texturally, they range from particle-supported with dolomite cement to dolomicrite matrix-supported. Trace fossils are present in these thicker sand bodies. They include Planolites, Chondrites, Palaeophycus, Thalassinoides and escape traces. Non-marine lithologies include nodular anhydrite in a sand matrix, and karst breccia. Bedding structures include poorly to well-defined flat bedding as well as low angle (5-10°) bedding to moderately dipping (12-20°) foreset cross bedding. The gamma ray log markers K1, K2, and K3 help to establish the lateral and vertical limits of the quartz sand bodies.

## D. M. Kent Biography

Donald Kent was born in Medicine Hat, Alberta, and during his formative years, developed a keen interest in the surrounding geological landscape as well as the subsurface. He entered the University of Saskatchewan in 1953, graduating with a B.Sc. degree in geological engineering. In 1958 Don joined the Saskatchewan Department of Mineral Resources (DMR) as a Junior Research Geologist. His formal education culminated with a Ph.D. degree from the University of Alberta in 1968. His dissertation was published in 1974 as the groundbreaking DMR Report No. 99, on the Devonian Duperow Formation. Dr. Kent remained with DMR as a Senior Research Geologist producing numerous papers and reports until 1971 when he joined the Department of Geology, University of Regina as Associate Professor and subsequently full Professor in 1978. He became Emeritus and Adjunct Professor in 1996 and still maintains that position to this day. From 1976 to the present, Don consulted to the petroleum industry and government agencies, all the while fashioning an enviable research and mentoring career spanning several decades.

It is difficult to quantify the impact of Don Kent's voluminous contributions to our understanding of the sedimentary, structural, and petroleum geology of Canada, particularly Western Canada and the Williston Basin. In 2015, Dr. D. M. Kent was awarded the prestigious R.J.W. Douglas Medal by the Canadian Society of Petroleum Geologists (CSPG) for outstanding contributions to the understanding of sedimentary geology in Canada, commending major contributions to regional tectonics, petroleum and structural geology.

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Hope to see you there.  
*Saskatchewan Geological Society*

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Regina, SK S4P 2Z6  
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[Sask.Geol.Soc@hotmail.com](mailto:Sask.Geol.Soc@hotmail.com)





# 2017 AWARDS DINNER &

# AGM

**Saturday, February 3rd, 2017 @ the Travelodge Hotel**

4177 Albert St.

**Business Meeting 5:30 p.m.**  
(Mezzanine Room)



**Cocktails 5:30 p.m.**  
**Buffet Dinner 7:00 p.m.**  
**Awards & Honour Roll 8:00 p.m.**  
**Presidential Address 9:00 p.m.**

*Please purchase your tickets  
online before January 29, 2017  
<https://sgshome.ca/events/registration/ticket-registration>*

**Tickets: \$40**  
**Student Tickets: \$20**

**Dan Kohlruess**  
([Dan.Kohlruess@gov.sk.ca](mailto:Dan.Kohlruess@gov.sk.ca))  
**Kate MacLachlan**  
([KateM@spgs.ca](mailto:KateM@spgs.ca))  
**Ralf Maxeiner**  
([Ralf.MAXEINER@gov.sk.ca](mailto:Ralf.MAXEINER@gov.sk.ca))

**TICKET AGENTS**

**Presidential  
Address**  
(delivered by  
**Erik Nickel**)

**Highlights of the 2017 SGS Field Trip**



## President's Message – Diversity is strength

These days in age this message is everywhere: on the t-shirts of the football team, on TV and radio, almost overkill in order to drive a message home. For me the message is, before being afraid, try to see behind the surface, or try to walk a mile in somebody else's shoes.

I walked a year in the shoes of the president of SGS. It was an amazing year that made me grow out of my fear of being unworthy of this great opportunity. I had a strong team of wonderful people around me and people with the know-how knowledge to bring me back when I was wondering. To all of you, Thank you! I wish I could be there on the AGM date to personally thank you each one of you for guiding me, not getting mad at me, reacting in a pinch when it was needed. Personal reasons that are out of my control are keeping me away from Canada at this moment, but I would like you all to know that I am thinking about you and I am grateful for being allowed to work with you. We'll see you in the future as I am going to be around for at least another year! Sorry?!

Now, let's have a glimpse of what we had done in the past year. In a period of 12 months, we organized 26 events:

- 15 luncheons at the Artful Dodger in Regina and some at the University of Regina
- 1 School Lecture in Regina
- 1 Public Lecture in Regina in collaboration with the Royal Saskatchewan Museum
- 1 unofficial field trip to Cypress Hills
- 1 official field trip through the Rockies
- 1 curling bonspiel
- 1 golf tournament
- 1 Public Lecture during the Open House in Saskatoon
- 1 Professional Development Day for the Regina Catholic School Board
- 1 Poster Competitions for students at the Open House in Saskatoon
- 1 edition of our annual Saskatchewan Geology Calendar (year long event)

Long story short, with few volunteers we organized, in average, more than 2 events a month, and generally with the same people. If you have some spare time (what a luxury these days!), consider getting involved in some activities with this great Society. You'll have fun, make some new friends and build on to this very diverse team. We can definitely use your strengths and put them to good use.

In conclusion, a great big **Thank You** to all of you that made this year a success and helped me along the way!

That being said, if you'd like to keep informed with everything that we do, follow and like us on Facebook, check periodically our website [www.sgshome.ca](http://www.sgshome.ca). We will also try to keep you informed by sending you periodic emails. And the best way to know us is to get involved in what we do. Hope to see you at our next event.

Monica Cliveti

Your soon to be past-president



## OTHER NEWS AND EVENTS

### In Memoriam

Regina-based potash consultant, Mr. Ron Brown, recently passed away. Since the late-sixties Ron worked in the Saskatchewan potash industry, starting at Kalium / Belle Plaine, as their solution mine geologist. In 1980 he left Kalium and, as a consultant, worked on and had occasion to visit not only every Saskatchewan and Canadian mine or prospect, but every one in the world, excluding the Afar Triangle surficial salt deposits in Ethiopia / Eritrea where night time temperatures drop to a cool +47 degrees C and border disputes make periodic kidnappings more common than elsewhere in the world. He and Doug Ruse, both from Regina, and Milt Holter, formerly from Regina, have been widely recognized as the "grand old authorities" on potash mining, with only Milt now still active. With Ron's passing, we have lost not only a good friend and colleague, but an irreplaceable authority on potash deposits around the world and their development history. Very sad indeed.

### Ronald BROWN

#### Obituary

#### Guest Book

*Be the first to share your memories or express your condolences in the Guest Book for Ronald BROWN.*

[View Sign](#)



#### BROWN, Ronald "Ron" Herbert

Ron passed away peacefully on Saturday, January 6, 2018. He was predeceased by his parents Hugh R. Brown and Florence Mary (Ings) Brown. Ron will be lovingly remembered by his wife of 54 years, Lorraine; daughters Patricia Brown (David Pankoski), Michelle Brown and Nicole Brown; son Gordon Brown; brother Gary (Alice) Brown and his family. The family would like to thank the EMS team, the staff at the Regina General Hospital Emergency, the staff at CCU and their wonderful neighbour, Diane Bickle for her help during Ron's brief illness and passing. A MEMORIAL SERVICE will be held at Regina Funeral Home and Cemetery, 4001 East Victoria Avenue, Regina, SK on Friday, January 12, 2018 at 2:00 p.m. Donations in memory of Ron may be given to a charity of one's choice. Family and friends are invited to sign the online obituary and tributes page at [www.reginafuneralhome.ca](http://www.reginafuneralhome.ca). Arrangements entrusted to



Regina  
Funeral Home & Cemetery  
by Arbor Memorial



## Membership Renewals PLEASE

SGS membership is on a calendar year basis. If you have not renewed your membership for 2017, this will be a very good moment to do so. The most convenient way to renew your membership is to do it online <https://sgshome.ca/membership/membership-application>.

## Upcoming Activities in a nutshell

Here is what's in the works for the months to come, submitted by Mike Thomas and Kim Kreis.

### **SASK. GEOL. SOC. PROGRAM Winter/Spring 2018**

1. **Stay tuned for our line-up of wonderful luncheon talks**
2. **Save the date for SGS Award Banquet and AGM night – February 3, 2018**
3. **Save the date for Curling Bonspiel – March 17, 2018**

Suggestions for other potential speakers or activities are always welcome. Please contact either Mike Thomas or Kim Kreis with your ideas.

## Geology Calendar of Saskatchewan 2018

The 3<sup>rd</sup> edition of this high quality calendar is still available for purchase, but only for a very short period of time. Don't miss your copy! You can order copies through SGS, or one of the committee members. The calendars are \$10 if bought individually. If bought in bulk they can be purchased at a discounted price. Contact us for more information.

## Volunteering Opportunity with Prairie Valley School Division

The PVSD is looking for any geoscientists or other professional scientists that would be available to help judge at the Prairie Valley Regional Science Fair that is taking place on Tuesday, March 27<sup>th</sup> (alternate date: Thursday March 29<sup>th</sup>) at Lumsden High School. The judges' meeting is tentatively set for 9:00am and the first round of judging should be done around lunchtime (lunch will be provided).

Please consider donating your time and help an aspiring scientist.

## News from the D.M. Kent Club

After organizing WUIGS 2018 from January 10 to 14 in Regina, the DMKent Club is planning the new events. Stay tuned for more information.

## RFG 2018, Vancouver

Abstracts are still accepted until February 21, 2018.





An IUGS Event



# RFG2018

RESOURCES FOR FUTURE GENERATIONS

PREMIER INTERNATIONAL CONFERENCE ON  
ENERGY • MINERALS • WATER • THE EARTH

**June 16-21, 2018**

Vancouver Convention Centre, BC, Canada










## CALL FOR ABSTRACTS

Abstracts will be accepted until January 15, 2018.

**EMPOWER A GENERATION – GET RESOURCEFUL**

Now is the time for Resources for Future Generations 2018—a unique international conference dedicated to the availability of energy, minerals, and water needed to sustain future generations. RFG2018 will showcase advances in earth science, societal and technical innovation, and education that can change the course of history. Be part of the sustainable future. **Submit an abstract.**

 Energy	 Minerals	 Water	 The Earth	 Education & Knowledge	 Resources & Society
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Future & Frontiers	Critical Minerals	Sustainability	Earth Systems	Future	Geological Data–Surveys
Geological Setting	Environment–Performance	Water & Resources	Geophysics	Indigenous	Indigenous
Nuclear	Exploration Technology		Marine Geosciences	Public	Social
	Geochemistry & Exploration		Planetary Geology	Teaching	Sustainability
	Geometallurgy		Quaternary Systems		
	Major Minerals		Sedimentary Geology		
	New Sources		Structure/Tectonics		
			Volcanology & Petrology		

 The cost to submit an abstract is **\$50 CAD** payable by credit card during the abstract submission process. This standard practice ensures that abstracts submitted are from committed authors/presenters and provide rich content for the technical program. Payment will be part of the submission process and will generate the appropriate confirmation and receipt.

### Organizers

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Submit your abstract at **RFG2018.org**



## OUR 2017 CORPORATE MEMBERS:



**Dave Thomas**

