

SASKATCHEWAN GEOLOGICAL SOCIETY



Saskatchewan Geological Society

2017

Annual Report

1. Contents

1. Contents.....	i
2. PRESIDENT’S REPORT.....	1
3. VICE-PRESIDENT’S REPORT.....	4
4. BUSINESS MANAGER’S REPORT.....	5
5. TREASURER’S REPORT.....	6
Balance Statement – 2016.....	8
Proposed 2017 Budget.....	9
6. PROGRAM CHAIR’S REPORT.....	100
7. COMMITTEE REPORTS.....	122
Education and Outreach Committee (EOC) Report.....	122
Field Trip Committee Report.....	124
Geological Calendar Committee Report.....	15
Geological Open House Committee Report.....	17
8. SASKATCHEWAN GEOLOGICAL SOCIETY AWARDS.....	199
Honour Roll Committee Report.....	199
Honour Roll Citation for 2017 Inductee Mr. Milt Holter.....	Error! Bookmark not defined. 19
Error! Bookmark not defined. 2017 Student Awards.....	20
9. NOMINATING COMMITTEE.....	222

2. PRESIDENT'S REPORT

It has been another eventful, challenging but productive year for the Saskatchewan Geological Society (SGS), a brief overview of which is provided here. SGS functions in 2017 were facilitated by a hard-working Executive team, which consisted of Erik Nickel (Vice-President), Kate MacLachlan (Treasurer), Omid Mahmoodi (Secretary), Colin Card (Business Manager), Mike Thomas (Program Chair), Kim Kreis (Program Co- Chair) and Ryan Morelli (Past President), in addition to myself.

Before I'll talk about the productivity of the Society, allow me to touch briefly on the challenges that the Society faced last year. In 2017, the main challenges were identified in two areas: 1) financial, caused mostly by an economic background not very stable and 2) human participation. While the money challenges are out of our control and can be faced with a little creativity, the lack of human involvement is harder to counteract. Consequently, the one thing that I would like to stress out is that without you, the members, all our efforts remain just that: efforts. We need you to participate, to get involved and to let us know where your heart is. We are not organizing events for seven people: those are called board meetings. Long story short: We hope to see a lot of you next year!

The 2017 was also a very productive year for the Society. The kickoff to SGS activities for 2017 took place with the Annual General Meeting, held in early February. David MacDougall once again did an outstanding job organizing the event and the fruits of his labour were evident with a turnout of over 85 people. The evening was highlighted by presentation of student awards and the introduction of Milt Holter into the Society Geoscience Honour Roll. The evening was capped off by an entertaining address by outgoing President, Ryan Morelli and the annual business meeting.

Thanks to the efforts of program coordinators Mike Thomas and Kim Kreis, the SGS was able to offer a full slate of lunch lectures in 2017. Fifteen lunch talks were offered in 2017 covering a wide range of topics from the unofficial history of light microscope to geothermal energy to feathered dinosaurs, gas hydrates, Au-Ag deposits, East African rift, impact melt bodies to Sue, the T-Rex seized by FBI just to name a few subjects. Some of these lectures were held at the university in an effort to make it more accessible for our university-based members. Artful Dodger was this year too our main venue. Income from lunch talks was also lower than expected, however, likely due to lower than anticipated attendance. Society members are encouraged to commit to supporting this important Society initiative heading into 2018, as this is one great (and relatively cheap) opportunity for Professional Development. I cannot stress enough the fact that this activity without public loses all relevance. The two co-chairs are making a great effort to bring in talks of varied topics of high caliber, and the biggest reward for them will be our participation.

The coordinators also would like to announce the new venue for the luncheon program in 2018. Artful Dodger is closing temporarily as they are moving to a different location, and the Society is going to give a try to Bushwakker Pub located on Dewdney Ave. Come check it out at our first talk in January!

Under the direction of Colin Card, the SGS organized several social events again this year. The annual curling bonspiel took place on March 18th at the Tartan Curling Club, with 12 teams participating, which translates to about 50 people present. The bonspiel was co-hosted by the D.M. Kent geology student



club and Lynn Kelley organized the game draw once again. The annual golf tournament took place on September 8th, with almost 6 teams participating in a 9-hole round at Sherwood Forest. The entries were down from the previous year and they came in later than usual. As in recent years, the tournament was followed by a barbecue at the MacDougall residence, with over 50 people attending. The barbecue was a big success and the SGS would like to extend its gratitude to Dave and Alice MacDougall for again hosting the BBQ. While, we as a Society are sure about continuing to have the annual BBQ as a mean of networking in a fun and relaxed atmosphere, we are wondering about continuing with the golf tournament and a discussion with the members will soon open. Starting in 2017, the organization of the Award and AGM night was passed onto the Business Manager job description. A huge thank you to David MacDougall for making sure that all the pieces are in their place for a smooth transition.

Several SGS committees were instrumental in 2017 in helping to fulfill the Society's mandate. The annual SGS field trip transected the Rocky Mountains, Alberta led by Clint Tippett, a retiree from Shell Canada. The trip took place from 18 to 22 August and seventeen people took part. It was an informative and enjoyable event by all accounts and participants visited a number of impressive exposures of Paleozoic sedimentary rocks, including a hike to Cambrian Burgess Shale outcrop as well as outcrops of Precambrian and Mesozoic rocks. The trip followed the SIFT itinerary. A big thank you goes out to John Lake and the rest of the field trip committee for organizing yet another field Saskatchewan Geological Society (Regina) trip and to Clint Tippett for leading the trip.

The Open House committee, chaired by Jason Berenyi, worked hard to organize the 48th annual Open House, which took place in Saskatoon from Nov. 27th to 29th, 2017. This conference, co-hosted by the Society, is Saskatchewan's premier event for minerals-related geoscience and continues to be a very successful meeting. The 2017 Open House attracted over 800 delegates and over 60 exhibitors.

The SGS Education and Outreach committee, chaired by Kate MacLachlan, was very active again this year and continue to do tremendous work bringing the geosciences to the public. This was highlighted by the public and school lectures, which were organized in coordination with the SGS Program Co-Chairs, Mike Thomas and Kim Kreis and the Business Manager, Colin Card. The Regina public lecture was organized in collaboration with the Friends of the Royal Saskatchewan Museum and was presented by Dr. Ryan McKeller, who talked about feathered dinosaurs and other life forms found in amber. Two local geologists, Sean Bosman and Colin Card, presented the school lectures in April. The topic was Uranium Resources in Saskatchewan and the school lecture returned to the hands-on-experience, hence limiting each of the sessions to 160 students. The lectures were a huge success as everyone enjoyed the talk and the experiments presented by the volunteers. The Saskatoon public lecture, entitled "*Sue, the T-rex, and the Chicago Field Museum*", took place at the end of November at the Geological Open House and was delivered to about 100 people by Mona Marsovsky, a retired professional engineer and life-member of the Alberta Paleontological Society. One major change in the structure of the Education and Outreach committee in 2017 is the complete incorporation of the Geoscape sub-committee. Consequently, the Education and Outreach committee is now in charge of all the initiatives that the previous subcommittee started, and that includes updating some lessons plans as a resource for teachers. All the content of the Geoscape website was also transferred to the Society website. In 2017, the Education and



Outreach Committee was approached by the Regina Catholic School Board asking for a one-day professional development for grade 7 and 8 teachers. The presentation is available now for other groups as well. Funding for the 2017 Regina school lectures, as well as for an initiative to update Geoscape lesson plans, received a boost due to receipt of a \$3,900 grant from the Canadian Geological Foundation. We also received funding from APEGS, SMA, Department of Geology and Department of Biology for the Open House Public Lecture and for Regina Public Lecture. All of the sponsors of these great initiatives are greatly thanked.

Continuing with public geoscience outreach, the SGS calendar committee, chaired by Ralf Maxeiner, delivered the third annual (2018) Geology Wall Calendar this year. As were the first two editions, the 2018 calendar is a great product, full of beautiful photos and chock full of information on the geology of Saskatchewan. Sales of the 2018 edition are not known to date, so it is hard to say at this time if this product is going to be as successful as in the past year. For those of you that would still like a copy, you can still purchase one at the cost of \$10 per item. The committee would like to thank the volunteers, photo contributors and sponsors for their involvement and support.

The SGS Executive and committees collectively accomplished several other initiatives in 2017, including an unofficial SGS fieldtrip in early June in the Cypress Hills area, a SGS clothing order, procurement of new speaker gifts, a revamp of the website and a publication inventory, among others. Notwithstanding the many opportunities offered through the Society this year, the Society's expenditures were well lower the budgeted amounts for 2017 (exclusive of Open House). The income was also at lower levels than budgeted, but somehow we managed to be out of the red zone with a surplus of almost \$4500. In 2018, the Society is projected to run a deficit, which is the staple for 10 out of the past 15 years. This is at least partly an indirect consequence of the current state of the mineral and petroleum industries, such that revenue generated from industry-focussed activities (e.g. sponsorship, core workshops, etc.) is more difficult to come by. This will be an ongoing challenge for the Society for at least the short term and will require that upcoming Executives explore alternative revenue sources and/or practise fiscal prudence to ensure the financial health of the Society going forward.

Finally, I would like to acknowledge our current corporate sponsors, whose support contributes greatly to the activities of the SGS. I would especially like to thank APEGS for their continued financial support of the Society and for the participation of APEGS staff members in several SGS functions.

Respectfully submitted,

Monica Cliveti
President



3. VICE-PRESIDENT'S REPORT

There were a total of 185 Saskatchewan Geological Society memberships for all categories for the 2017 calendar year. The breakdown by membership type for the past several years is shown in the table below:

Category/Year	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Active/Lifetime/Emeritus	105	97	106	107	66	87	106	103	108	106
Student	26	26	78	117	58	67	80	65	89	108
Corporate	18	10	8	6	3	2	14	20	17	10
Amateur/Info/Honorary	3	2	3	4	3	4	7	9	2	1
Total	152	135	195	234	130	160	207	197	216	225

Most of the categories of SGS membership remained relatively stable from the 2016 year. Most encouraging was a large increase in the number of student memberships in the society, which speaks to the strong relationship the SGS continues to have with the U of R Geology Department and the DM Kent Club. In total, this gives the society one of the highest membership totals in recent years.

There was, however a drop in the number of corporate memberships despite being sent renewal notices via email. This year, the SGS will have a renewed push for corporate memberships in order to rectify this problem. The society would however like to thank our corporate members and sponsors who have stayed active with the society despite tough economic times.

ATLAS ENERGY LTD
Activation Laboratories Ltd. (Actlabs)
D.M. Kent Consulting Geologist
Discovery International Geophysics
Eagle Plains Resources Ltd.
Hudbay Minerals Inc.
Hy-Tech Drilling
J.D. MOLLARD & ASSOCIATES
Rio Tinto
Saskatchewan Mining Association
Saskatchewan Research Council

Respectfully submitted,

Erik Nickel
Vice-President



4. Business Manager's Report

The following is a summary of the business manager's activities in 2017:

The Saskatchewan Geological Society oversaw a diverse range of outreach, professional development, and social events in 2017. Outreach events included hosting two public lectures and a two-day school lecture series. The first public lecture was held at the Royal Saskatchewan Museum in Regina on April 25, 2017 and was a partnership with Friends of the Royal Saskatchewan Museum. The lecture, titled *"Talkin' 'Bout Amber"*, was delivered by Dr. Ryan McKellar and pertained to his investigations into organic inclusions in Cretaceous amber. The second lecture was delivered in Saskatoon during the Saskatchewan Geological Open House by Mona Marsovsky from the Alberta Palaeontological Society. The presentation, titled *"Sue – the Tyrannosaurus Rex – and the Chicago Field Museum"*, detailed the discovery and long journey of Sue, the world's best preserved Tyrannosaurus Rex specimen, to the Field Museum in Chicago. This year's school lecture focusing on uranium resources in Saskatchewan was held at Regina's Miller collegiate on April 25 and 26 (see Education and Outreach Report).

The society continued to offer a seminar series in 2017. Topics were diverse and appealing to members. As professional development reporting is now compulsory for Professional Geoscientists in Saskatchewan, these seminars constitute an opportunity to gain the necessary credit to satisfy the requirements of the Association of Professional Engineers and Geoscientists of Saskatchewan. Venues included the Artful Dodger in downtown Regina and the University of Regina, with the former acting as the main venue. With the closure of the Artful Dodger in December of 2017, a trial with a new venue will commence in January 2017 at the Bushwakker Brewpub (2206 Dewdney Ave., Regina).

The first social event of the calendar year was the annual curling bonspiel in partnership with the D. M. Kent Club of Geology (University of Regina). The event took place at the Tartan curling club on March 18, 2017 and twelve teams participated in the draw. Total attendance was about 50 people. The annual golf tournament (Sherwood Forest Golf and Country Club) and barbeque (hosted by David and Alice MacDougall) was held on September 8, 2017. Enrollment for golf was down to 20 people in 2017 and the entries were far later than required by the course. The executive and membership will need to explore options to improve enrollment in this event if it is to continue on an annual basis. The barbeque, on the other hand, attracted about 50 people, which is similar to the turnouts in the previous few years indicating its popularity with members.

Planning of the Saskatchewan Geological Society's Annual General Meeting and Banquet has now been transferred to the business manager. David MacDougall is thanked for creating a template to make this event successful.

Respectfully submitted,

Colin Card
Business Manager



5. TREASURER'S REPORT

This report is an unaudited financial report for the 2017 fiscal year, which ended on December 31st, 2017. The *2017 Profit and Loss Statement*, *2017 Balance Sheet*, and *2018 Budget* are presented at the end of this report. What follows are the highlights of the Society's financial activity during the 2017 fiscal year.

In 2017, without considering the operating budget for the Saskatchewan Geological Open House, the Society's expenditures were \$18,465.29 lower than budgeted and the Society's income was \$6066.12 lower than budgeted. The Society reports a surplus of \$4463.17 for 2017.

The following table summarizes the net surplus/loss of our main events/items in 2017.

Event	Income	Expenses	Net
AGM/Awards Dinner	\$2,601.24	\$4,304.24	-\$1703.00
Geology Calendar	\$3457.34	\$4258.63	-\$801.29*
Bonspiel	\$562.04.00	\$747.05	-\$185.01
Field trip	\$7631.30	\$9366.18	-\$1734.88
Golf tournament	\$1,057.29	\$1,202.25	-\$144.96
Luncheon talks (10)	\$4070.00	\$9009.36	-\$4939.36
Merchandise/publication sales	\$4916.57	\$653.10	\$4263.47

* Some income outstanding.

Our significant sources of income in 2017 included:

- 1) the annual APEGGS Constituent Members grant (\$4,000); and
- 2) publications and merchandise sales (\$4916.57), a significant portion of which is via online sales of digital publications through the AAPG Datapages website.
- 3) Williston Basin Petroleum Conference sponsorship (\$15000) in-lieu of registration income for short course, which was significantly down this year.

Without these sources of income, the Society would not be able to subsidize some of its core events, such as the AGM, and the annual field trip, but most significantly, the luncheon talks, which were subsidized by \$4939.36 (not including speaker gifts), or \$412 per talk, in 2017, which is down slightly from last year.

What follows are a few notes on money in the Society bank account that can only be used for specific purposes:

- 1) *Education and Outreach*: The former *Geoscape* account was essentially depleted in 2016. As funding in this account is no longer related directly to the original *Geoscape* project, the account has been renamed *Education and Outreach*. We obtained sponsorship this year for a total of \$1500. Five hundred was used for the school lecture to cover lunch for volunteers and other miscellaneous expenses. We also got a grant of \$3900 for Canadian Geological Foundation, but we have not been paid yet because all the funds must be spent and invoices provided. We will get the expenses for bussing at the school lecture covered by this funding once we submit the receipts.
- 2) *Saskatchewan Geological Open House*: The conference is meant to be run each year so that the event breaks even. The income and expenses for this event are separate from the main operating budget of the Society; any surplus from this event cannot be used toward regular Society business; any loss is not expected to be covered by the Society. All the bills for this event



have not yet been paid. The event did make a small profit this year.

- 3) *WBPC Talks Grant*: This one-time grant from the Williston Basin Petroleum Conference that the Society received in 2011 in order to bring in more high-profile speakers for petroleum-related talks has been nearly depleted; \$568.18 remains.

The Society thus has \$36,008.86 in its main account for Society events at the end of 2017. This number was calculated by adding the profit from this year to the amount that was in the account at the end of last year (according to the annual report). This does not agree with what is in the balance sheet created by quickbooks. Some things have not been entered correctly and we are seeking expert help to correct the errors.

According to the balance sheet created by quickbooks there is over \$4000 in undeposited funds. However, at the time of writing this report there were only three checks for a total of about \$1600 that have not yet been deposited. I intend to have this resolved in time to report at the AGM.

The Society renewed its TD one-year cashable GIC in April. As of April, 18th, 2017, the GIC had a value of \$31,863.93; the interest rate for 2016–2017 is 0.4% and it is cashable in full or part after 30 days without penalty. The GIC will renew automatically at the end of each term, unless we decide otherwise.

It is a suggested best practice that a non-profit organization such as the Society should have between three and six months of budgeted expenses as reserves. The projected expenses for 2017, without including Open House, are ~\$57,636; thus, the Society needs between \$15,200 and \$30,400 in reserves. The Society currently has \$36008.86 in its general account and \$31,863.93 in a GIC, for a total of \$67,872.79, and thus has an acceptable amount of money going forward into 2018.

For the *2017 Budget*, the Saskatchewan Geological Open House budget was produced separately because the conference is meant to run as a break-even event and the income and expenses are kept separately and thus have no bearing on the income and expenses of the general Society finances. The Society is projected to run a deficit again in 2018, which it has done for 10 out of the past 15 years.

Respectfully submitted,

Kate MacLachlan
Treasurer



2017 Balance Sheet

Saskatchewan Geological Society Incorporated Balance Sheet As of December 31, 2017

	<u>Total</u>
Assets	
Current Assets	
Cash and Cash Equivalent	
Chequing	43,016.36
Deferred Revenue	0.00
Education and Outreach	456.25
SK Geological Open House	95,026.88
WBPC talks grant	568.18
Total Chequing	\$ 139,067.67
Pettie Cash	300.00
Undeposited Funds	4,401.14
Total Cash and Cash Equivalent	\$ 143,768.81
Inventory Asset	-284.75
Total Current Assets	\$ 143,484.06
Non-current Assets	
Property, plant and equipment	
Dell Laptop	1,768.05
Sask. Savings Bonds	0.00
Cash (Bond Interest)	0.00
Fixed Income (28,900 units)	0.00
Total Sask. Savings Bonds	\$ 0.00
Total Property, plant and equipment	\$ 1,768.05
TD GIC	31,864.44
Total Non Current Assets	\$ 33,632.49
Total Assets	\$ 177,116.55
Liabilities and Equity	
Liabilities	
Current Liabilities	
GST/HST Payable	1,382.60
Total Current Liabilities	\$ 1,382.60
Total Liabilities	\$ 1,382.60
Equity	
Opening Bal Equity	126,924.49
Retained Earnings	32,818.99
Profit for the year	15,990.47
Total Equity	\$ 175,733.95
Total Liabilities and Equity	\$ 177,116.55

Proposed 2018 Budget

General Society											
	2015 Actual		2016 Actual		2017 Proposed		2017 Actual		3-year average	2018 Proposed	
	Main	Sub	Main	Sub	Main	Sub	Main	Sub		Main	Sub
NET SURPLUS/LOSS	\$ 4,428.19		\$ (7,499.81)		\$ (7,936.00)		\$ 4,463.17		\$ 463.85	\$ (13,986.00)	
INCOME	\$ 57,755.80		\$ 31,814.20		\$ 52,850.00		\$ 46,783.88		\$ 45,451.29	\$ 43,650.00	
Annual General Meeting	\$ 2,050.00		\$ 2,305.00		\$ 2,200.00		\$ 2,601.24		\$ 2,318.75	\$ 2,500.00	
APEGS constituent society grant	\$ 4,000.00		\$ 4,000.00		\$ 4,000.00		\$ 4,000.00		\$ 4,000.00	\$ 4,000.00	
Athabasca Basin Drillcore Workshop	\$ 5,582.62		n/a		\$ 6,000.00		\$ -		Na	\$ 6,000.00	
Sponsorship		\$ 1,000.00				\$ 1,500.00			\$ -		\$ 1,500.00
Registration		\$ 4,582.62				\$ 4,500.00			\$ -		\$ 4,500.00
Calendar	\$ 4,935.07		\$ 5,094.30		\$ 5,000.00		\$ 3,457.34		\$ 4,495.57	\$ 5,000.00	
Sponsorship		\$ 2,032.10		\$ 2,146.80		\$ 2,100.00		\$ 1,700.00	\$ -		\$ 2,100.00
Sales		\$ 2,902.97		\$ 2,947.50		\$ 2,900.00		\$ 1,757.34	\$ -		\$ 2,900.00
Curling bonspiel	\$ 705.00		\$ 705.00		\$ 750.00		\$ 572.04		\$ 660.68	\$ 750.00	
Education & Outreach	\$ -		\$ 1,000.00		\$ 2,900.00		\$ 1,500.00		\$ 833.33	\$ 2,900.00	
School talk bussing		\$ 1,000.00		\$ 1,000.00		\$ 2,900.00		\$ 1,500.00	\$ -		\$ 2,900.00
Field trip	\$ 6,125.00		\$ 4,985.20		\$ 8,500.00		\$ 7,631.30		\$ 6,247.17	\$ 8,500.00	
Golf tournament	\$ 2,265.00		\$ 1,690.00		\$ 1,750.00		\$ 1,057.29		\$ 1,670.76	\$ 1,750.00	
Luncheon meeting tickets	\$ 3,635.00		\$ 2,667.00		\$ 3,300.00		\$ 4,070.00		\$ 3,457.33	\$ 3,800.00	
Membership Dues	\$ 3,655.71		\$ 2,885.53		\$ 3,000.00		\$ 6,654.76		\$ 4,398.67	\$ 3,000.00	
Merchandise/publication sales	\$ 4,102.40		\$ 5,482.17		\$ 4,000.00		\$ 4,637.34		\$ 4,740.64	\$ 4,000.00	
Clothing		\$ -		\$ 1,109.53		\$ -		\$ 557.14	\$ -		\$ -
Publications		\$ 4,102.40		\$ 4,372.64		\$ 4,000.00		\$ 4,080.20	\$ -		\$ 4,000.00
Sponsorships	\$ 1,000.00		\$ 1,000.00		\$ 1,450.00		\$ 250.00		\$ 750.00	\$ 1,450.00	
Corporate				\$ -		\$ 500.00		\$ -	\$ -		\$ 500.00
Open House Public Lecture		\$ 500.00		\$ 500.00		\$ 500.00		\$ 250.00	\$ -		\$ 500.00
Regina Public Lecture		\$ 500.00		\$ 500.00		\$ 450.00		\$ -	\$ -		\$ 450.00
WBPC workshop	\$ 19,700.00		\$ -		\$ 10,000.00		\$ 15,000.00		\$ 11,566.67	\$ -	
EXPENSE	\$ 53,327.61		\$ 39,314.01		\$ 60,786.00		\$ 42,320.71		\$ 44,987.44	\$ 57,636.00	
Accounting	\$ -		\$ -		\$ 4,156.00		\$ 148.66		\$ 49.55	\$ 4,156.00	
Quickbooks Online		\$ -		\$ 26.00		\$ 156.00		\$ 148.66	\$ -		\$ 156.00
Review Engagement report		\$ -		\$ -		\$ 4,000.00		\$ -	\$ -		\$ 4,000.00
Administrative	\$ 37.58		\$ 231.66		\$ 100.00		\$ -		\$ 89.75	\$ 100.00	
Annual General Meeting	\$ 3,716.08		\$ 4,344.97		\$ 4,400.00		\$ 4,304.24		\$ 4,121.76	\$ 4,800.00	
Athabasca Basin Drillcore Workshop	\$ 1,234.14		n/a		\$ 3,450.00		\$ -		NA	\$ 3,450.00	
Catering		\$ 409.76				\$ 600.00		\$ -	\$ -		\$ 600.00
Fees (Stripe)		\$ 142.38				\$ 150.00		\$ -	\$ -		\$ 150.00
Printing		\$ 682.00				\$ 700.00		\$ -	\$ -		\$ 700.00
Shipping		\$ -				\$ 2,000.00		\$ -	\$ -		\$ 2,000.00
Awards/Grants	\$ 1,434.69		\$ 2,787.22		\$ 2,600.00		\$ 1,021.87		\$ 1,747.93	\$ 3,600.00	
John Lewry Travel Grant		\$ -		\$ 1,000.00		\$ 1,000.00		\$ -	\$ -		\$ 2,000.00
AGM awards		\$ 1,184.69		\$ 1,487.22		\$ 1,300.00		\$ 1,021.87	\$ -		\$ 1,300.00
Open House travel subsidy		\$ 250.00		\$ 300.00		\$ 300.00		\$ -	\$ -		\$ 300.00
Banners	\$ 655.60		\$ -		n/a		n/a		NA	n/a	
Calendar (printing & mailing)	\$ 4,300.88		\$ 4,191.94		\$ 4,250.00		\$ 4,109.11		\$ 4,200.64	\$ 4,250.00	
Canada Post (postage & post box rental)	\$ 529.96		\$ 421.12		\$ 450.00		\$ 362.05		\$ 437.71	\$ 450.00	
Christmas Party	\$ -		\$ 194.52		\$ 200.00		\$ -		\$ 64.84	\$ 200.00	
Clothing	\$ -		\$ 1,445.00		\$ -		\$ 665.84		\$ 703.61	\$ -	
Curling bonspiel	\$ 763.92		\$ 837.42		\$ 850.00		\$ 747.05		\$ 782.80	\$ 850.00	
Education & Outreach	\$ 4,583.25		\$ 6,043.76		\$ 6,650.00		\$ 2,526.95		\$ 4,384.65	\$ 7,800.00	
Open House Public Lecture		\$ 837.02		\$ 2,003.98		\$ 2,000.00		\$ 335.89	\$ -		\$ 2,000.00
School talk bussing		\$ 1,922.20		\$ 1,761.29		\$ 2,600.00		\$ 1,624.06	\$ -		\$ 2,600.00
School talk misc.		\$ 801.38		\$ 140.02		\$ 500.00		\$ 567.00	\$ -		\$ 1,000.00
Geoscape website		\$ -		\$ -		\$ -		\$ -	\$ -		\$ 1,000.00
Regina Science Fair		\$ 350.00		\$ 350.00		\$ 350.00		\$ -	\$ -		\$ -
Regina Public Lecture		\$ 544.53		\$ 1,788.47		\$ 1,200.00		\$ -	\$ -		\$ 1,200.00
SCHEMATICS		\$ 128.12		\$ -		\$ -		\$ -	\$ -		\$ -
Field Trip	\$ 11,374.38		\$ 7,644.85		\$ 11,300.00		\$ 9,366.18		\$ 9,461.80	\$ 11,300.00	
Golf Tournament	\$ 2,039.91		\$ 1,623.47		\$ 1,700.00		\$ 1,202.25		\$ 1,621.88	\$ 1,700.00	
Insurance	\$ 1,207.00		\$ 1,219.00		\$ 1,230.00		\$ 1,219.00		\$ 1,215.00	\$ 1,230.00	
Luncheon meeting (catering)	\$ 7,428.84		\$ 3,744.15		\$ 4,000.00		\$ 4,663.86		\$ 5,278.95	\$ 4,500.00	
Lunches for Executive Meetings	\$ 594.58		\$ 390.07		\$ 650.00		\$ 443.66		\$ 476.10	\$ 650.00	
Publications (printing)	\$ 98.70		\$ 51.45		\$ 100.00		\$ 557.56		\$ 235.90	\$ 100.00	
Speaker Expenses	\$ 6,450.54		\$ 3,483.41		\$ 5,700.00		\$ 5,409.68		\$ 5,114.54	\$ 5,700.00	
Misc. (honorariums, AAPG fees)		\$ 1,470.33		\$ 497.49		\$ 1,600.00		\$ 730.00	\$ -		\$ 1,600.00
accommodation		\$ 1,587.49		\$ 1,213.64		\$ 1,400.00		\$ 1,357.04	\$ -		\$ 1,400.00
food		\$ 525.51		\$ 498.96		\$ 700.00		\$ 881.44	\$ -		\$ 700.00
transportation		\$ 1,955.00		\$ 982.52		\$ 1,500.00		\$ 1,377.03	\$ -		\$ 1,500.00
speaker gifts		\$ 912.21		\$ 290.80		\$ 500.00		\$ 1,064.17	\$ -		\$ 500.00
Website	\$ 728.76		\$ 660.00		\$ 2,800.00		\$ 2,944.39		\$ 1,444.38	\$ 2,800.00	
WBPC Workshop	\$ 6,148.80		\$ -		\$ 6,200.00		\$ 1,582.48		\$ 2,577.09	\$ -	
Saskatchewan Geological Open House											
	2015 Actual		2016 Actual		2017 Proposed		2017 Actual		3-year average	2018 Proposed	
	Main	Sub	Main	Sub	Main	Sub	Main	Sub		Main	Sub
NET SURPLUS/LOSS	\$ 6,375.21		\$ 5,801.36		\$ 750.00		\$ 3,588.18		\$ 5,254.92	\$ 750.00	
INCOME	\$ 83,577.50		\$ 84,490.00		\$ 83,000.00		\$ 81,921.15		\$ 83,329.55	\$ 83,000.00	
SK Geological Open House conference	\$ 83,577.50		\$ 84,490.00		\$ 83,000.00		\$ 81,921.15		\$ 83,329.55	\$ 83,000.00	
City of Saskatoon grant		\$ 1,000.00		\$ 2,500.00		\$ 1,000.00		\$ 1,000.00	\$ -		\$ 1,000.00
Exhibitor booths		\$ 49,612.50		\$ 45,675.00		\$ 46,000.00		\$ 43,568.52	\$ 46,285.34		\$ 46,000.00
Short course registration		\$ 10,965.00		\$ 13,815.00		\$ 14,000.00		\$ 14,975.48	\$ 13,251.83		\$ 14,000.00
Sponsorship		\$ 22,000.00		\$ 22,500.00		\$ 22,000.00		\$ 22,377.15	\$ 22,292.38		\$ 22,000.00
EXPENSE	\$ 77,202.29		\$ 78,688.64		\$ 82,250.00		\$ 78,332.97		\$ 78,074.63	\$ 82,250.00	
SK Geological Open House conference	\$ 77,202.29		\$ 78,688.64		\$ 82,250.00		\$ 78,332.97		\$ 78,074.63	\$ 82,250.00	
A/V		\$ -		\$ 5,553.45		\$ 5,600.00		\$ 6,200.26	\$ 3,917.90		\$ 5,600.00
Conference venue & catering		\$ 46,195.25		\$ 51,092.28		\$ 52,000.00		\$ 50,818.53	\$ 49,368.69		\$ 52,000.00
Displays		\$ 10,871.47		\$ 9,815.06		\$ 10,400.00		\$ 9,554.22	\$ 10,080.25		\$ 10,400.00
Lanyards & badges		\$ 1,870.00		\$ 2,206.56		\$ 200.00		\$ 148.95	\$ 1,408.50		\$ 200.00
Misc.		\$ 382.87		\$ 219.99		\$ 350.00		\$ 800.00	\$ 467.62		\$ 350.00
Program		\$ 727.23		\$ 1,046.33		\$ 1,100.00		\$ 639.18	\$ 804.25		\$ 1,100.00
Short course		\$ 7,065.24		\$ 1,083.16		\$ 4,300.00		\$ 855.22	\$ 3,001.21		\$ 4,300.00
Signs		\$ 939.84		\$ 477.96		\$ 500.00		\$ 976.42	\$ 798.07		\$ 500.00
SK Geol. Society honorarium & expenses		\$ 2,242.16		\$ 1,787.14		\$ 2,300.00		\$ 1,629.90	\$ 1,886.40		\$ 2,300.00
Tote bags		\$ 1,293.60		\$ 1,942.50		\$ 2,000.00		\$ 2,400.09	\$ 1,878.73		\$ 2,000.00
Fees (PayPal/Stripe)		\$ 2,380.61		\$ 2,364.21		\$ 2,400.00		\$ 2,400.00	\$ 2,381.61		\$ 2,400.00
Website		\$ 3,234.02		\$ 1,100.00		\$ 1,100.00		\$ 1,910.20	\$ 2,081.41		\$ 1,100.00

* Items in red are still outstanding and/or estimations at the time of budget production.



6. PROGRAM CHAIR'S REPORT

As is the norm these past years, our 2017 program comprised technical lectures, public lectures aimed at a more general & school-age audience held in both Regina and Saskatoon, and field trips. Our speaker program has been supported for years by 'visiting lecturers' sponsored by American Association of Petroleum Geologists, the Geological Association of Canada (Howard Street Robinson Lecturer), the Society of Economic Geologists (Thayer Lindsley Lecturer), and Osisko Gold Royalties. We would like to sincerely thank these organizations, their visiting lecturers, as well as all the other speakers that came our way to keep our program vital. We'd also like to thank our Society membership who attended these lectures and field trips this past year, particularly those who suggested speakers and topics that they thought would enhance the technical program. We very much appreciate the input.

The 2017 program is itemized below.

Jan. 17/17, Dr. Charlie Harper (consultant), Mega fall-back breccia & impact melt bodies, Carswell structure, NW Sask.

Feb 1/17, Ms. Patricia Sandberg (author), Sun Dogs & Yellow Cake: Story of Gunnar Mines, NW Sask.

Feb. 15/17, Dr. Steve Grasby (Geological Survey of Canada), Geothermal energy potential, Canada.

March 22/17, Dr. Stephen Bend (University of Regina Geology Department), The unofficial history of the Light Microscope.

March 29/17, Megan Binner, Corrie Davidson, Jordan Gashyna, Matthew Nadeau, Lavie Nguyen, & Chi Pu (University of Saskatchewan student group), Garner River Au exploration project.

April 21/17, Dr. Tim Collett (A.A.P.G. visiting lecturer), Gas Hydrate Petroleum Systems

April 25/17, Dr. Ryan McKeller (Royal Saskatchewan Museum), Feathered Dinosaurs: evidence from amber. *REGINA PUBLIC LECTURE.*

April 26/17, Dr. Dale Leckie (consultant & author), Tertiary Gravels & Upper Cretaceous Milk River Formation in S Sask & Alberta

May 24/17, Dr. Emily Bamforth (T. Rex Discovery Centre, Eastend Saskatchewan), Paleo-biodiversity prior to end-Cretaceous Mass Extinction

October 3/17, Dr. Bruce Hart (A.A.P.G. visiting lecturer), The ice age and Bakken Oil

October 5/17, Mr. Dan Wood (S.E.G visiting lecturer), Discovery of the Kencana Au-Ag deposit, Indonesia

Oct. 20/17, Dr. Pete Hollings (G.A.C. visiting lecturer), Metallogeny & Magmatism of the 1.1 Ga Mid-Continent Rift.

Nov. 10/17, Dr. Bob Macdonald (retired), The East African Rift System



Nov. 28/17, Ms. Mona Marsovsky (Alberta Paleontological Society), “Sue” (the Tyrannosaurus Rex) and the Chicago Field Museum (SASKATOON PUBLIC LECTURE)

Dec. 1/17, Dr. Guy Desharnais (Osisko Gold Royalties visiting lecturer), Mining BIG DATA; the future of Exploration targeting, AND Resource Estimation: Post Mortem & Path Forward

“CAMPING” FIELD TRIP, June 2-5/17, Cypress Hills – Writing-on-Stone, led by a variety of ‘rough and tumble’ Society luminaries.

FIELD TRIP, August 18-22, Rocky Mountain Transects, Hwy 1 & 3, led by Dr. Clint Tippet, acting Canadian Society of Petroleum Geologists President.

The 2018 program planning is underway, with Dr. Guoxiang Chi, University of Regina Geology Department leading off on January 17/18. The program committee encourages anyone with an idea for speaker or field visit to let us know.

Thanks all.

Mike Thomas & Kim Kreis
Program Chairs



7. COMMITTEE REPORT'S

Education and Outreach Committee (EOC) Report

EOC Chair: Kate MacLachlan

Members: Fran Haidl, Erin Raaf, Megan Love

As chair of the committee I would like to thank all the committee members and volunteers who have helped to undertake our various activities. I look forward to serving as chair again in 2018.

Geoscape Southern Saskatchewan

We no longer have a separate Geoscape sub-committee. Geoscape has been incorporated as one of the key elements of the education and outreach committee as a whole. In March 2016 we submitted a funding proposal to the Canadian Geological Foundation (CGF) and received \$2000 toward work on the geoscape lesson plans. This money has not been spent yet, but we hope to spend it before the May 2018 deadline. The proposed work includes updating the currently completed lesson plans to the new curriculum and finishing the incomplete lesson plans. Work is underway on updating the current lesson plans to the new curriculum and we will continue this work in 2018.

Other Outreach

We received a request from the Regina Catholic School Board to do a professional development session for grade 7 and 8 teachers. They were provided with a wide variety of educational material for geoscience in general and a 1.5 hr presentation entitled Wind, Water, and Ice: The Landscape and Geological History of Saskatchewan. This presentation is now available for use with other groups.

School Lecture

In 2017 the school lectures were held at Miller High School on April 25th and 26. This year we went back to the hands-on format, and thus limited attendance to about 160 students per session to facilitate the activities. The topic this year was Uranium Resources in Saskatchewan, prepared and presented by two professional geologists from the Saskatchewan Geological Survey, Sean Bosman and Colin Card. Once again this year we offered funding for bussing, which contributed to the excellent turnout. We received \$750 sponsorship from APEGS, towards the cost of bussing. The remaining cost will be covered by the 2016 CGF grant, which we have not yet received. We have to supply receipts for all activities falling under that grant. Since we have not yet completed the lesson plan work, we have not yet been paid for anything. We were successful in getting \$1500 from CGF towards bussing for the 2018 lecture.

Public Lectures

The public lectures were organized by the Program Chair and Program Co-chair. The lecture in Regina was undertaken in collaboration with the Royal Saskatchewan Museum and featured Dr. Ryan McKeller their Curator of Paleontology. The public lecture was held the evening of April 25th at the Royal Saskatchewan Museum. There was a great turnout of around 150 people, who learned all about the amazing things found in amber.



The Saskatoon public lecture was held in association with the Saskatchewan Geological Open House. This year we were very pleased to have Mona Marsovski an amateur paleontologist and lifetime member of the Alberta Paleontological Society, who presented a talk entitled Sue the T-Rex and the Chicago Field Museum, Tuesday November 28th, at the Delta Bessborough Hotel. Those in attendance learned about the discovery of Sue and what experts learned from her skeleton, the subsequent seizure of Sue by the FBI and how she came to her ultimate home at the Chicago Field Museum. This talk was co-sponsored by the Saskatchewan Mining Association (SMA) and the Association of Professional Engineers and Geoscientists of Saskatchewan (APEGS).

Respectfully submitted,

Kate MacLachlan
EOC Chair



Field Trip Committee Report

EOC Chair: John Lake
Members: Mike Thomas
Kim Kreis

The SGS Annual Field Trip was held between August 18th -22nd. Dr. Clint Tippett gave us an incredibly detailed Structural Geological tour of the Canadian Rockies . Clint had just retired from a career with Shell Canada and was glad for the opportunity to share his knowledge with a keen group of geologists. We followed the SIFT (Student Industry Field Trip) guidebook prepared by Clint and others for the Canadian Association of Petroleum Geologist's tour offered to Students from Universities across Canada. Clint is the President-Elect for the CSPG for 2018. Accommodations were at a premium in the National Parks because of free admission associated with Canada's 150th Birthday. We were lucky to dodge the forest fires in the B.C. interior sparked by lightning strikes caused by dry air mixing with moist Pacific air in the Kootenay Valley. We were seven kilometers from the fire while on our hike up to the Stanley Glacier, but were spared the smoke from the other side of the mountain.

Clint compared Laramide thrusting and crustal shortening to the deformation associated with plowing snow. We followed the Thrust Sheet Stratigraphy used by Structural Geologists in the Rockies. Clint's posters and cross-sections and satellite images were an excellent teaching device. Saturday we toured the breached anticline at Jumping Pound Gas Field, Mount Yamnuska outlier on the McConnell Thrust Sheet and Cretaceous Fernie-Kootenay deltaic and continental sediments at the old Banff Traffic Circle. Sunday morning we met Cristi and Emma (National Parks Guides) at the trailhead for the Stanley Glacier hike. Cristi is a very knowledgeable amateur Invertebrate Paleontologist and Emma is a keen Fish Biologist. The recently discovered Burgess Shale quarry excavated by Royal Ontario Museum Paleontologists was out of bounds to hikers, but a drop box full of fossils was available for viewing. The original Burgess Shale fossil depositional model from the Walcott Quarry was interpreted as preservation of soft bodied fossils in anoxic conditions beyond the Cathedral Carbonate Platform. Sixteen new species plus many of the Walcott fauna were uncovered on top of the Cathedral Platform of the new Quarry and put the depositional model in dispute. Monday the weather cooperated for the viewing of the Solar Eclipse. We viewed the Banff-Exshaw (Bakken equivalent) Stratigraphy at Crowsnest lake east of Cranbrook B.C. The Crowsnest Porphyritic Volcanics were an enigma of extensional Laramide Continental Volcanic activity incorporating wood. We visited the Frank Slide Interpretive Centre in the afternoon. The Wapiabi-Belly River section at Lundbrick Falls gave us a good impression of the Triangle Zone in southern Alberta. Tuesday included stops at the Big Rock Glacial Erratic and historical Turner Valley and Black Diamond Oilfields.

The 17 Field Trip participants would like to thank Clint Tippett for sharing his knowledge of the complex Geology of the Rockies with us. We would also like to thank Crescent Point for supplying the Field Trip Guidebook.

John Lake,
SGS Field Trip Co-ordinator



Geological Calendar Committee Report

Chair: Ralf Maxeiner

Regina Members: Ken Ashton
Monica Cliveti
Jason Cosford (Design)
Janis Dale (Secretary)
Michelle Hanson
Ryan Morelli
Matt Thompson

Saskatoon Members: Kevin Ansdell
Michael Cuggy

Final Editor: Heather Brown



A third edition of a wall calendar celebrating Saskatchewan Geoscience was published by the Society. The mission statement of the calendar remains the same as in its first edition: The calendar is first and foremost an outreach project, supposed to educate the general public about Saskatchewan geology and its impact on our lives and prosperity. Monthly photos feature various scenes from the 3.4 billion years of Earth history thus far recorded in the province from outcrop scale to landscape views spanning the Precambrian Shield in the north to the southern prairies. For the 2018 edition the committee has yet again tweaked the four educational pages at the beginning of the calendar. 'Our History' provides a geological time scale and, this year, focuses on four snap shots in time from the geological history of the



Pelican Narrows area. 'Our People' celebrates the achievements of SGS Honour Roll winners John Lewry (2004) and Milt Holter (2016). 'Our Resources' is a page we have created to shine a spotlight on a particular mineral resource, this year it is uranium. The last of the educational pages, 'Our Landscape' is focused this year on eskers and glacial erratics.

For those who have not yet purchased a calendar it is still available for the prize of \$10 for individual copies until the AGM. At the time of writing, it is unclear if the calendar will once again return a profit as it did last year (\$1000). But it looks as though we should be able to break even, and as was the case in previous years, any remaining calendars will be distributed for free to Regina and Saskatoon classrooms. In my estimation, as long as the calendar breaks even or returns a small profit, it can be considered a success and worthwhile effort.

The following sponsors (in alphabetical order) are thanked for their generous contributions towards the 2018 Geological Wall Calendar: The Saskatchewan Mining Association, PrintWest, Actlabs, APEGS, Dave Thomas, Discovery Int'l Geophysics, Hy-Tech Drilling, J.D. Mollard and Associates, North Rim, Osprey Wings Ltd., Petroleum Technology Research Centre, Rio Tinto Canada, Robertson Trading Company, Saskatchewan Research Council, and Tall Grass Apparel.

I would like to thank all the committee members for their involvement and tremendous efforts in helping to make the third edition of the Geology Calendar a reality, a success and a fun project to be working on. The committee would also like to thank all of the people who contributed photos to the calendar and in particular would like to acknowledge photo contributors Krisztina Pandur, Tanner Gerrans and Anastasia Comtois-Poissant, our 2018 photo contest winner.

Respectfully submitted by

Ralf Maxeiner,
Committee Chair



Geological Open House Committee Report

Geological Open House Committee Report

Open House Committee Members

Chair: Jason Berenyi

Society reps:

Kate MacLachlan

Monica Cliveti

Murray Rogers

Survey reps:

Keara Lueke

Thomas Love

Amanda Palaniuk

Dustin Zmetana

The 48th Annual Open House was held Nov.27-29th, 2017 at the Delta Bessborough Hotel in Saskatoon. The conference was very well attended with over 800 registered delegates and 56 exhibitors. There were 35 geologic posters on display including 10 graduate and 10 undergraduate student presenters.

Four technical sessions were held from Nov. 29 - 30th and featured 30 geoscience talks by Survey staff, industry and academic researchers. Forty-eight delegates attended a short course on the application of geophysics to uranium exploration, which was co-hosted by Natural Resources Canada and the Saskatchewan Geological Survey. The attendance at the short course once again highlighted the desire for affordable geoscience learning opportunity hosted in Saskatchewan.

A break-down of the income and expenditures related to the conference are included below and in the budget section of this report.

The Saskatchewan Geological Survey and the members of the Open House Organizing committee would like to thank the Society for its continued involvement in, and support of, the province's premier minerals-focused, geoscience conference.



2017 Open House Budget:

Saskatchewan Geological Open House	2015 Actual		2016 Actual		2017 Proposed		2017 Actual		3-year average	2018 Proposed	
	Main	Sub	Main	Sub	Main	Sub	Main	Sub		Main	Sub
NET SURPLUS/LOSS	\$ 6,375.21		\$ 5,801.36		\$ 750.00		\$ 3,588.18		\$ 5,254.92	\$ 750.00	
INCOME	\$ 83,577.50		\$ 84,490.00		\$ 83,000.00		\$ 81,921.15		\$ 83,329.55	\$ 83,000.00	
SK Geological Open House conference	\$ 83,577.50		\$ 84,490.00		\$ 83,000.00		\$ 81,921.15		\$ 83,329.55	\$ 83,000.00	
City of Saskatoon grant		\$ 1,000.00		\$ 2,500.00		\$ 1,000.00		\$ 1,000.00	\$ -		\$ 1,000.00
Exhibitor booths		\$ 49,612.50		\$ 45,675.00		\$ 46,000.00		\$ 43,568.52	\$ 46,285.34		\$ 46,000.00
Short course registration		\$ 10,965.00		\$ 13,815.00		\$ 14,000.00		\$ 14,975.48	\$ 13,251.83		\$ 14,000.00
Sponsorship		\$ 22,000.00		\$ 22,500.00		\$ 22,000.00		\$ 22,377.15	\$ 22,292.38		\$ 22,000.00
EXPENSE	\$ 77,202.29		\$ 78,688.64		\$ 82,250.00		\$ 78,332.97		\$ 78,074.63	\$ 82,250.00	
SK Geological Open House conference	\$ 77,202.29		\$ 78,688.64		\$ 82,250.00		\$ 78,332.97		\$ 78,074.63	\$ 82,250.00	
A/V		\$ -		\$ 5,553.45		\$ 5,600.00		\$ 6,200.26	\$ 3,917.90		\$ 5,600.00
Conference venue & catering		\$ 46,195.25		\$ 51,092.28		\$ 52,000.00		\$ 50,818.53	\$ 49,368.69		\$ 52,000.00
Displays		\$ 10,871.47		\$ 9,815.06		\$ 10,400.00		\$ 9,554.22	\$ 10,080.25		\$ 10,400.00
Lanyards & badges		\$ 1,870.00		\$ 2,206.56		\$ 200.00		\$ 148.95	\$ 1,408.50		\$ 200.00
Misc.		\$ 382.87		\$ 219.99		\$ 350.00		\$ 800.00	\$ 467.62		\$ 350.00
Program		\$ 727.23		\$ 1,046.33		\$ 1,100.00		\$ 639.18	\$ 804.25		\$ 1,100.00
Short course		\$ 7,065.24		\$ 1,083.16		\$ 4,300.00		\$ 855.22	\$ 3,001.21		\$ 4,300.00
Signs		\$ 939.84		\$ 477.96		\$ 500.00		\$ 976.42	\$ 798.07		\$ 500.00
SK Geol. Society honorarium & expenses		\$ 2,242.16		\$ 1,787.14		\$ 2,300.00		\$ 1,629.90	\$ 1,886.40		\$ 2,300.00
Tote bags		\$ 1,293.60		\$ 1,942.50		\$ 2,000.00		\$ 2,400.09	\$ 1,878.73		\$ 2,000.00
Fees (PayPal/Stripe)		\$ 2,380.61		\$ 2,364.21		\$ 2,400.00		\$ 2,400.00	\$ 2,381.61		\$ 2,400.00
Website		\$ 3,234.02		\$ 1,100.00		\$ 1,100.00		\$ 1,910.20	\$ 2,081.41		\$ 1,100.00

* Items in red are still outstanding and/or estimations at the time of budget production.

Respectfully submitted,

Jason Berenyi,
Open House Committee Chair



8. SASKATCHEWAN GEOLOGICAL SOCIETY AWARDS

Honour Roll Committee Report

The Honour Roll Sub-Committee established in 2002, currently comprises Dr. Don Kent (Chairman); Dr. Jim Christopher; Dr. Charlie Harper; Kim Kreis and David MacDougall. The committee considers nominations received from SGS members via the SGS Executive, and chooses a candidate who receives the honour at the AGM & Awards Dinner in early February. The recipient's name is inscribed on a plaque which hangs in the Saskatchewan Energy and Resources Subsurface Laboratory on Dewdney Avenue. The full list of recipients is on the Saskatchewan Geological Society website under the heading Awards. Full citations for each are to be added shortly.

The Honour Roll recognizes those whose contribution to the science of geology has significantly enhanced our understanding of Saskatchewan's geological history, character and mineral or energy resources. There are at present twenty-five members on the Honour Roll. Milt Holter was the candidate for 2016 inducted to the Honour Roll at the Annual General Meeting in 2017. His work on the Prairie Evaporite and its potash beds is recorded in the definitive 1969 Saskatchewan Government Report 123 and maps. The candidate for 2017, to be inducted at the Annual General Meeting in February 2018 is Bill Slimmon, a long-time geologist at the Saskatchewan Geological Survey, for his development of the multi-layer Digital Geological Atlas of Saskatchewan.

Don Kent's Citation for Milt Holter was as follows:

Milt Holter is a Saskatchewanian, born in 1939 in Nipawin, Saskatchewan. He received his elementary and secondary education there, and furthered his education at the University of Saskatchewan in the College of Engineering, where he obtained a Bachelor's degree in Geological Engineering followed by a Master's degree in Geology. Upon completion of his graduate studies program he joined the Saskatchewan Department of Mineral Resources as an industrial minerals geologist. His M.Sc. thesis was a detailed study of the stratigraphy, sedimentology, mineralogy, geochemistry and economic geology of the potash deposits of the Middle Devonian Prairie Evaporite in Saskatchewan. It was published as Saskatchewan Department of Mineral Resources Report 123. The report became a landmark regional analysis of the potash deposits and continues to be an important reference to the geology of these strata. He immediately gained a reputation as the Department's potash expert and published and presented to both national and international conferences papers on aspects of the Saskatchewan potash deposits. He eventually moved on to stratigraphic studies of southeast Saskatchewan's lignite deposits the results of which were published in national publications.



Milt left the Department of Mineral Resources and the province in 1969 to join the Alberta Research Council as a geologist with the Alberta Geological Survey, where he continued his coal studies as well as expanding his areas of investigations to include quarriable geological resources. He left the Research Council after seven years having published a number of reports on coal, silica sand and limestone resources. In the 1990s Milt became involved in bio-resource management in BC and the state of Washington. However, most recently his knowledge of the geology of the Prairie Evaporite has brought him back to Saskatchewan to carry out geological evaluations of possible mine sites on several potash permits.

Respectfully submitted on behalf of the Honour Roll Subcommittee,

David MacDougall

Awards Committee Report - 2017 Student Awards

The Society presents four awards each year in recognition of up and coming geoscience students. In addition to the award each student recipient will receive a cheque for \$250, a framed certificate, and expenses to the Awards Dinner for them and a guest.

The **President's Award** is presented to the best Saskatchewan undergraduate student poster at the Saskatchewan Geological Open House. This year it is presented to **Courtney Onstad** of the University of Saskatchewan for her poster titled: *"Petrography and Geochemistry of Granitoids in the Misaw Lake Area, Northeastern Saskatchewan with a Focus on Rare Metals"*. Second place in this category went to **Hoang Anh Tu (Lavie) Nguyen** of the University of Saskatchewan for her poster titled: *"Semi-automatic Identification of Unconformities for GIS Geological Maps"*. Lavie received a cheque for \$150 and a framed certificate. There were 10 posters in this category.

The **Lazlo Fuzesy Award** is presented to the best graduate student poster at the Saskatchewan Geological Open House. This year it is presented to **Todd LeBlanc** of the University of Saskatchewan for his poster titled: *"Modelling and Survey Results of In-mine Time Domain Electromagnetics for Brine Layer Detection"*. Second place in this category went to **Jordan Deane** of the University of Regina for his poster titled *"Structural-Kinematic Relations across the Nolan-Zemlak Domain Boundary; West-southwest Rae Craton"*. Jordan received a cheque for \$150 and a framed certificate. There were also 10 posters in this category.

The judges for the 2017 poster competition were **Dr. Camille Partin** (University of Saskatchewan), **Ms. Samantha Van De Kerckhove** (Saskatchewan Geological Survey), **Dr. Tsilavo Raharimahefa** (University of Regina), and **Mr. Dave Thomas** (Cameco Corporation). The judges are thanked for their contributions to these student poster awards.

The **Robert Milner Award** is presented to the top graduating undergraduate geology student at the University of Regina. Robert Milner was a prominent Saskatchewan geologist who made significant contributions to the understanding of the sedimentology and stratigraphy of the Jurassic System in Saskatchewan, particularly units such as the Watrous, Gravelbourg, Shaunavon, and Vanguard formations. This year the award is presented to **Joshua John Kluck**.



The **Walter Kupsch Award** is presented to the top graduating undergraduate geoscience student at the University of Saskatchewan. Walter Kupsch was a geology professor at the U. of S. who made important contributions through his work in Quaternary geology, terrain analysis, and northern non-renewable resource development. This year the award is presented to **Hoang Anh Tu (Lavie) Nguyen** with a current GPA of 84% and who is a double major in Geology and Computer Science.

Respectfully submitted,

Murray Rogers,
Awards Committee Chair



9. NOMINATING COMMITTEE

The term of the 2017 SGS Executive ends with the AGM on February 4, 2018. The 2017 Executive puts forward the following candidates for the 2018 Executive:

President:	Erik Nickel
Vice-President:	Zeinab Azadbakht
Treasurer:	Kate MacLachlan (year 2/2)
Secretary:	Taylor Forsyth (year 1/2)
Business Manager:	Samantha Van De Kerckhove
Program Chair:	Kim Kreis
Assistant Program Chair:	Mike Thomas
Past President:	Monica Cliveti

A motion will be made at the AGM to accept the full slate of candidates for 2018.

Respectfully submitted,

Monica Cliveti
President

