



# The Rock Record – October 2020

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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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### President's Blurb October 1, 2020

Hi Everyone. We're delighted to send you this latest edition of the Rock Record. There are several items to update so pay attention:

For the first time since 1969 the Saskatchewan Geological Open House was cancelled, due to you-know-what. Hopefully, we'll be able to gather at next years Open House with bluster!

In the spring we had to suspend our luncheon talks due to social distancing protocols. I know that I speak for many of us that this was most unfortunate and disappointing. I love going to the meetings to learn more about the earth and drink beer with friends and colleagues. Now that we are all used to seeing presentations via web-based services we have decided to provide on-line presentations as well. Next Wednesday, October 7, I will attempt the first presentation, followed by other committed presenters, so stay tuned! We will be using Microsoft "Teams" as a presentation platform. **Many thanks to Alec and David for pulling this together.**

Janis Dale of the University of Regina Department of Geology is passing along the announcement that Dr. Tsilavo Raharimahefa has been granted tenure.

Murray Rogers is providing some information about two Saskatchewan geology students receiving Fellowships from the Society of Economic Geologists.

David Macdougall is providing a short vignette of two famous Canadian geologists.

We have an update from Ralf Maxeiner about the 2021 SGS Geoscience Calendar and of course some information on how you can order cool SGS geo-stuff.

We hope you enjoy the bits and pieces we have included in this edition of the Rock Record. **Many thanks to the contributors.** This is our community newsletter so please consider contributing yourself.

## SOCIETY NEWS

### From the University of Regina Geology Department – Janis Dale

The Department of Geology is pleased to announce that Dr. Tsilavo Raharimahefa has been granted tenure at the University of Regina. Dr. Raharimahefa has a PhD in Geophysics from Saint Louis University. His thesis was entitled *Structure, U-Pb Geochronology and Geochemistry of the Neoproterozoic Crustal-Scale Angavo Shear Zone, Central Madagascar*. Prior to joining the University, he held a Postdoctoral Fellow in Structural Geology and Metamorphic Petrology at Laurentian University. His project was entitled studying the *Structural, Metamorphic and Geochronological Evolution of the Southern Province of the Sudbury region and the South Range of Sudbury Impact Structure, Sudbury, Ontario* with Drs. Bruno Lafrance and Douglas Tinkham. Dr. Raharimahefa holds several EduMine Professional Development Certificates in “Environmental Control and Reclamation,” Canada. In addition, he has his Gemologist Diploma and is a Registered Gemologist (R.G). Tsilavo joins our department with his wife, Dr. Christine Rasoazanamparany who is also a Geologist specializing in Isotope Geochemistry and Igneous Petrology, and their two young children Daniel and baby Hannah. The family comes originally from Madagascar and we are delighted to welcome them to Saskatchewan!



### Society of Economic Geologists Graduate Student Fellowships – Murray Rogers

Two Saskatchewan university geology graduate students have received large fellowships from the Society of Economic Geologists. Shelby Brandt of the University of Regina received \$10,000 U.S. from the 2020 SEG Foundation and John Shmyr of the University of Saskatchewan received \$7,500 U.S. from the SEG Canadian Foundation. Both are pursuing their M.Sc. degrees in economic geology. Their respective thesis advisors are Dr. Kathryn Bethune and Dr. Kevin Ansdell.

We asked both Shelby and John about where they are from, what got them interested in geology and their research project, and what are their career goals.

Shelby replied, I grew up on a farm just south of Lumsden and decided I wanted to be a geologist when I was just little. While camping at Banff National Park I went to a children's show geared to teach people how mountains are created. That night I told my mom I wanted to be a geologist and I really haven't looked back since. I fell in love with structural geology in Dr. Bethune's class and pursued an undergraduate thesis to learn more. My masters will be largely structure based with a focus on orogenic gold (or potentially VMS) deposits and what implication the structures have on mineralization near the Seabee gold mine property. I plan on pursuing a career in industry after my masters; a fieldwork-heavy job would be right up my alley.

John replied, I was raised on a small farm outside of Melfort. I spent large amounts of time as a child with relatives in the mining community of Flin Flon and this is where my passion for geology began. Spending time as a child on the outcrops in nearby Creighton had inspired me to learn more about geology. Upon graduating high school, I directly enrolled in the geology program at the University of Saskatchewan. Upon completing my degree, I was immediately hired by BFR Copper & Gold Inc., part of the privately owned CSIT Group of companies. I spent the past 8 years working with CSIT as a project geologist on multiple projects, but I have

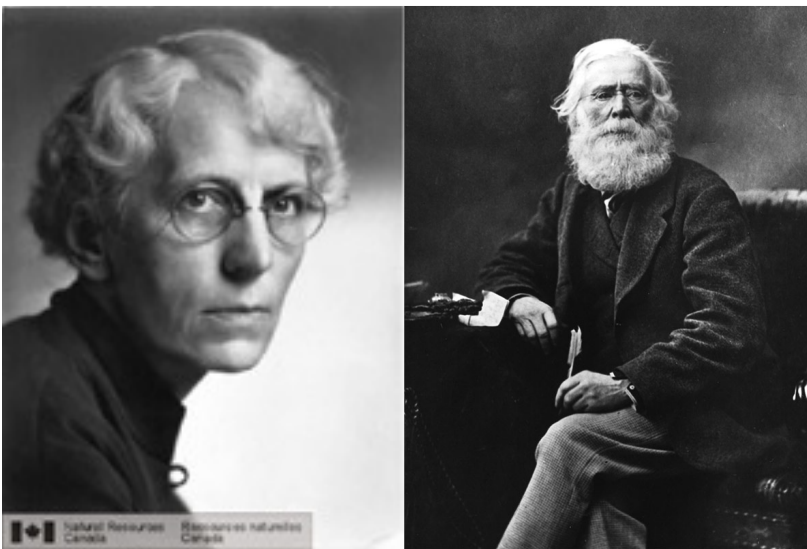


always longed to complete a masters. I have now decided to leave my position with the company to go back to university as I have found a project that I am passionate about. I have also been working since 2018 with Murchison Minerals on the Brabant McKenzie volcanic-associated massive sulphide (VMS) project which has led to me wishing to gain a greater understanding of the geology of the project. The deposit has been understudied and the area has largely been underexplored for VMS deposits which has provided an opportunity with my research to better understand the area and to hopefully to aid in additional exploration in the area. I aspire to either start my own mineral exploration company or to act as V.P. of Exploration for a successful company. It's my dream to be part of a team that discovers a major mineral deposit.

### **An installment from David Macdougall's archive of Famous Canadian Geologists**

#### **Alice Evelyn Wilson (1881 – 1964)**

Alice Wilson worked her entire professional career as a palaeontologist at the Geological Survey of Canada (1909-1946), was Canada's first female geologist and the first female Fellow of the Royal Society of Canada. She mapped much of the relatively uncharted Ottawa – St. Lawrence Valley, travelling on foot or by bicycle and through her work became an authority on the Palaeozoic formations of eastern Ontario, describing its fossil content in numerous papers and monographs. She was Lecturer in Palaeontology at Carleton College, and popularized geology through public lectures, field trips and museum exhibits.



#### **William Edmond Logan (1798 – 1875)**

In his early years Logan was manager of the Forest Copper Works, near Swansea, South Wales. In an effort to secure a reliable local source of coal he produced accurate maps of the coals seams that were later used by the Geological Survey of Great Britain in their compilations of the 1 inch to one mile geological map sheets of South Wales. His paper presented to the Geological Society of London in 1840 was the first to propose the *in-situ* formation of coal.

He was commissioned to survey the new Province of Canada in 1841 and founded the Geological Survey of Canada, of which he was the first Director. His *Geological Map of the Province of Canada* was exhibited at the



Great Exhibition in London, 1851. He was instrumental in opening a public geological museum in Montreal from which grew the Canadian Museum of Nature and the Canadian Museum of History. Canada's highest mountain is named after him, as is the mineral wologanite and the prestigious Logan Medal, the Geological Survey of Canada's highest honour.

### It's here: The 2021 Saskatchewan Geoscience Calendar! – Ralf Maxeiner

Year number six! When we started this, not many committee members thought that this project would be as long-lived as it has proven to be. This is in large parts due to our loyal members who continue to be happy to purchase copies of the calendar. Please continue to do so, even though it might be more challenging this year.

The 12 images selected for the 2021 Saskatchewan Geoscience Calendar once again represent an excellent selection of interesting geoscience features from across our province, including landscapes, rocks, fossils, a thin section, a painting, drone and satellite imagery. I know I say it every year, but I think it may be the best calendar yet (☺), packed of course with all the additional information you have become used to, which can be found in the Did You Know, Digging Deeper and Fun Fact sections.

The calendar will be printed in the first week of October and should be available for purchase by about mid-October at select stores in Regina and Saskatoon, as well as from committee members; please check the Society's website for further distribution details. As in previous years, the calendar retails for \$10 a copy, but when you buy multiples you can purchase them for a discounted rate (1-4 calendars for \$10 each; 5-9 calendars for \$8 each; more than 10 for \$6 each). Proceeds from calendar sales help the Society do future outreach projects, provide an incentive for a potential 7<sup>th</sup> edition and/or possibly might facilitate an additional luncheon talk! Calendars left over in January will be donated to schools.

The following calendar sponsors are gratefully acknowledged: Saskatchewan Mining Association, Fleet Energy, Printwest, J.P. Baker Management Inc., Hy-Tech Drilling, Firesky Energy Inc., Osprey Wings Ltd., North



American Helium, IsoEnergy Ltd., SSR Mining, Saskatchewan Research Council, RESPEC, J.D. Mollard and Associates (2010) Limited, Lonestar Directional Inc., Robertson Trading, DEEP, and a private donation from Dave Thomas.

Your calendar committee is: Ken Ashton, Heather Brown, Meagan Gilbert, Michelle Hanson (retiring from committee), Svieda Ma, Ralf Maxeiner, Ryan Morelli, Andrew Morley (joined in 2020) (all Saskatchewan Ministry of Energy and Resources); Jason Cosford from J.D. Mollard and Associates (2010) Limited; Monica Cliveti from the University of Regina, Kevin Ansdell from the University of Saskatchewan; and retired geoscientist Karen Bawden.

### SGS Clothing:



**SASKATCHEWAN GEOLOGICAL SOCIETY**

## CLOTHING 2020

There are still many items available.  
Contact Samantha to find out what is in stock!  
[samantha.vandekerckhove@gov.sk.ca](mailto:samantha.vandekerckhove@gov.sk.ca)

**Problems with your SGS ball cap?**  
Please let us know if you received the wrong style, or if the fastening at the back is faulty.

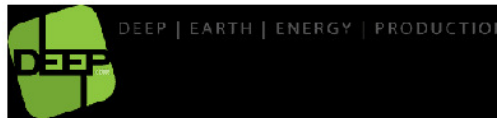


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