

The Rock Record – September 2004

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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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All advertising inquiries should be directed to **Andre Costa**

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Thursday, September 23, 2004

The Role for Uranium and Nuclear Power in Combating Global Climate Change

Chuck Edwards
Cameco Corporation

Lancaster Room, Royal Canadian Legion

Cash Bar: 11:30; Lunch: 11:50

Meeting: 12:15 – 13:00

Members \$7.00, Non-members \$11.00

Contact: Andre Costa 787-9104

By NOON, Monday, September 20, 2004

Tuesday, October 12th, 2004

The Ladyfern Gas Discovery

Tom Boreen
Suncor Inc.

Lancaster Room, Royal Canadian Legion

Cash Bar: 11:30; Lunch: 11:50

Meeting: 12:15 – 13:00

Members \$7.00, Non-members \$11.00

Contact: Andre Costa 787-9104

By NOON, Friday October 8, 2004

S.G.S. – U of R Student Night!

Wednesday, September 29th

U of R, University Club Lounge

Drink beer, eat pizza, get a job!

More info inside!!!

The Role for Uranium and Nuclear Power in Combating Global Climate Change

C.R. (Chuck) Edwards

Director, Engineering & Projects
Cameco

Whatever your opinion of the validity of the scientific case for global warming, or of the wisdom of the Kyoto Protocol, it would seem judicious to err on the side of caution and try to sensibly minimize global climate change. To this end, we should take prudent steps to minimize our emission of greenhouse gases. Cameco is the world's leading supplier of uranium for use as fuel in nuclear power plants. Cameco's uranium production fuels nuclear power plants in 16 countries. Nuclear power plants generate clean electricity without greenhouse gas emissions. This presentation describes the role that uranium and nuclear power can have in meeting the growing demand for electricity and at the same time combating global climate change.

S.G.S. – U of R Student Night

Dan Brisbin

Geologist, Cameco Corp, Saskatoon

Tony Cadrain

Geologist, Thunder Energy, Calgary

Please come out for some free beer and pizza and enjoy some talks on the Petroleum and Mining industries from 2 people who currently make their living in the geological field. The speakers will give some good information on the future of the mining and petroleum industries in Canada, and where new graduates will fit in.

In addition, this could give the students an opportunity to make some valuable contacts in industry, which may serve them well in the future.

The event is taking place in the lounge of the University Club at the U of R. We will begin at approximately 7pm.

Although this evening is intended mainly for students, all SGS members are welcome to attend and meet the future of geoscience in the province.

The Ladyfern Gas Discovery

Thomas D. Boreen,

Suncor Inc.

Calgary, AB, Canada.

A Slave Point gas field discovery made by Apache Canada in winter 2000 at Ladyfern, British Columbia (Block H-94H1) is the largest onshore North American gas accumulation found in 15 years. The discovery underlies established pipeline fairways and individual wells are capable of production rates in excess of 100 MMcfpd. By the close of March 2002, 40 wells were producing 785 Mmcfpd, 5% of Canada's natural gas stream. The Ladyfern Slave Point gas field is areally extensive, up to 100 square kilometres, with gas column greater than 100 metres, and recoverable reserves of 700 Bcf to 1 Tcf of gas. Discovery of this most recent onshore "elephant" highlights Canada's tremendous untapped energy potential.

The Upper Devonian Slave Point Formation in north-central Alberta and British Columbia, Canada is an intermediate depth (2000-3500 m) bioclastic carbonate. A basement strike-slip structural regime associated with the Hay River Fault Zone has controlled areal distribution patterns of reservoir facies in the Slave Point formation and directly influenced internal stratigraphy and cyclicity. At Ladyfern, episodic burial reactivation of these faults has resulted in extensive fracturing and created active conduits for hydrothermal fluids which have variably leached, dolomitized and cemented the rock. In areas of maximum extension near fault intersections, intense dissolution, brecciation and hydrothermal dolomitization have resulted in collapse synclines with optimal reservoir development that are seismically resolvable.

The Ladyfern discovery confirms the viability of using wrench fault based hydro-thermal dolomite exploration models for prospecting in carbonate units worldwide

2004 SGS Golf Tournament and BBQ:

The 18th Annual Golf Tournament and BBQ was held on Sept. 10 at the Tor Hill Golf Club with 44 golfers participating. Again, this year we teed off in tandem on the east and west nines so that all players were off in 37 minutes and everyone arrived at the BBQ at a reasonable time. The BBQ was attended by approx. 95 and, for the seventh year in a row, was hosted by Alice and Dave MacDougall - we thank them for their hospitality. I should also thank Bill Slimmon and his able sidekick Horst Stolz for acting as our brewery and vineyard reps. A great time was had by all!!!!

The event was "won" by Thomas Love, Erik Nickel, Arden Marsh, and Jeff Coolican. For various reasons (conferences, field trips, family events) the numbers to both the golf and BBQ were down. Hopefully, we will see everyone out again next year.

This year, the golf gods smirked on us and, while the sun showed up every now and then, the weather was cloudy and cool – but, hey, it didn't rain. To those members who have never participated in either the golf or the BBQ, you are missing a great event. Please note that you do not have to be a golfer to play and if you do not wish to play you may still participate in the good food, drink and company at the BBQ. Keep this in mind and maybe we'll SEE YOU NEXT YEAR

The organizers of the tournament, Bob Troyer and Phil Reeves (who lobbied the mining community for prizes) would like to extend their appreciation to the following sponsors of the tournament without whose support they could not organize the event and provide all of the prizes, food and refreshments:

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Lynn Kelley, Shawn Harvey, and Ralf Maxeiner prepare to tee off at the SGS Golf Tournament

Renew Your Memberships!

Time has run out for those who did not renew for 2004. Your newsletters will now cease to arrive. If you are unsure of your membership status, please contact Arden Marsh either by phone or at amarsh@ir.gov.sk.ca.

Coming Events!

Our program chairs Mike Gunning and Steve Whittaker have been doing an amazing job of lining up our fall and winter programs. Here are just a few of the events you can expect:

AAPG Distinguished Lecturer Arthur Green will be giving a luncheon talk on October 21 titled: Global Energy – The Next Decade and Beyond.

Tim Tokaryk of the Dinosaur Research Station in Eastend SK will be giving a luncheon talk in mid-November about the latest findings with Scotty!

AAPG Distinguished Lecturer Jack Pashin will be giving a talk on Coalbed Methane in the Black Warrior Basin in Alabama in Late January.

Steve Ruff of the Jet Propulsion Laboratory will be the public lecturer in the Spring. He is a scientist with the Mars Lander program.



Tom Love, Tony Davidson, Jeff Coolican and Mike Gunning in the "Burger Line" at the Barbeque.