

**CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS  
2008-2009 REPORT OF ACTIVITIES**

**2009 Executive Committee**

Graeme Bloy, President  
John Varsek, Vice President  
Lisa Griffith, Past President  
David Garner, Finance Director  
Greg Lynch, Assistant Finance Director  
Randy Rice, Program Director  
Scott Leroux, Program Director  
Ayaz Gulamhussein, Service Director  
Penny Colton, Assistant Service Director  
Mike DesRoches, Outreach Director  
Peggy Hodgkins, Communications Director  
Lis Bjeld, CSPG Executive Director

**PRESIDENT'S REPORT**

(Graeme Bloy, President)

The CSPG is sound financially as reported in Finance Director David Garner's report (see below); it is well administered by the CSPG office staff, and well supported by a very large dedicated volunteer base from its membership. As you will see as you peruse this report, with these resources the Society provides a large number of services to CSPG members; plus 3100 strong. We are a "technical" society that provides a large array of technical programs, social programs, outreach programs plus regular publications such as the *Reservoir* and the *Bulletin of Canadian Petroleum Geology*.

This was a transitional year full of changes and where the executive initiated new processes that have helped put the CSPG back on track, to being a sustainable non-profit organization that will continue to serve its members.

- 1.) In February, CSPG hired the Executive Director, Lis Bjeld, who has worked with the executive during my term; she has reorganized and reinvigorated the office staff, ensuring better execution of all CSPG programs, and ensuring financial accountability from all committees.
- 2.) In March, the 2010 budget commenced with more awareness of the economic downturn and a focus on core activities. Our committee chairs assisted in reducing the 2009 budget in an effort to reduce to the existing deficit.
- 3.) The "3P" collaboration was initiated, comprised of the President, Vice President and Past President with a mandate to define strategies for Executive Committee approval. One of the initiatives from this group that I am proud to announce is that the Volunteer Management System was started; thanks to John Varsek, Vice President, for his leadership.

- 4.) The executive continued to work closely and strengthen our relationship with affiliate societies: through the Joint Annual Convention Committee (CSPG-CSEG-CWLS joint venture), the American Association of Petroleum Geologists (ICE 2010), the CSPG Educational Trust Fund (restating the Trust Deed) and the Canadian Federation of Earth Sciences (national presence initiative).
- 5.) Past President Lisa Griffith was enlisted to recruit and screen future Executive Committee board members who have scientific and technical expertise and are passionate about CSPG. Judging by the strength and presence of the current Executive Committee, I compliment Lisa for a great job in this role.
- 6.) Services executed and completed the 2009 membership survey (using SurveyMonkey); results are available on the society's website. Approximately a third of the membership responded, and their views and opinions will form the go forward strategies for the Society, to being a sustainable organization. Sincere thanks goes out to Ayaz Gulhussien and his committee of monkeys.
- 7.) Through Communications the *Bulletin of Canadian Petroleum Geology* is now available in a digital format on the CSPG website, where all members can access it. This was promoted by the executive to bring our publications into the web-based world of disseminating information, rather than by hard copy.
- 8.) The Society's monthly publication the *Reservoir*, under the leadership of Technical Editor Ben McKenzie and Assistant Technical Editor Colin Yeo, has continued to provide timely technical article series such as "Reservoir Engineering for Geologists". It continues to be the main conduit for information as to what the Society has for activities. It is also available to members on the website.
- 9.) On the financial side, the Society now has instituted standard accounting practices through an immense effort by Executive Director Lis Bjeld and office staff; this allows a timely actual vs. forecasted assessment of the Society's financials. This also will ease the annual auditing process, somewhat. Also this year a Compensation and Benefits Committee (composed of the Vice President, Assistant Financial Director & Past President) was created to handle the office staff salary and benefits in a fair and standard manner.

2009 was a difficult term for the executive; many hard decisions were made as the CSPG transitioned into a sustainable, volunteer-driven society. However, we are back on track and are focusing on what the Society is actually about: service to our members, an avenue to scientific and technical knowledge for petroleum geoscientists, a peer networking resource and promoting the community awareness of petroleum geologists.

## **FINANCE REPORT**

(David Garner, Finance Director)

As I stated in my article in the October Reservoir, what a year it has been for our Society!

It is my pleasure to report that we managed to reduce the deficit during the remaining months to close with a loss of \$175,247. We also instigated a fiscal 2010 revenue neutral budget. Our balance sheet is strong, with close to \$1 million including deferred revenue

of \$165,165. In keeping with the 2008 Joint Annual Convention Agreement, CSPG maintains a portion of these funds should CSPG be required to terminate the agreement without due notice of five years while the remainder will be funds targeted to assist CSPG in such ventures as relocating its offices, dealing with unforeseen circumstances and future structural changes.

In December **Kenway Mack Slusarchuk Stewart LLP CHARTERED ACCOUNTANTS** completed the Review Engagement as attached. From this audit the three primary revenue streams are derived from (1) technical programs (including Continuing Education), (2) Convention, and (3) technical publications, which are called Communications on the statements. Taking into account the cost of running these programs, each contributed a net profit -- Technical Programs \$159,547, Convention \$277,428, and Communications \$70,414.

Another proud group of SIFT students came to Calgary in May 2009 as did the K-12 students during Convention. In November CSPG hosted the Honorary Address. Throughout the year, University Outreach worked tirelessly infiltrating campuses across Canada at conferences, through the Distinguished Lecture Program and in awarding CSPG scholarships and bursaries.

Our social committees ran the Squash, Mixed Golf, Classic Golf, and 10K Road Race tournaments for yet another successful networking year.

CSPG introduced its first Awards Night and will expand the event for 2010. We had an excellent turnout for the CSPG Long Time Members Reception and the Past Presidents Dinner.

I see 2010 as a rebuilding year now that some of our challenges are behind us. Thank you for allowing me to serve the CSPG.

## **PROGRAM REPORT**

(Scott Leroux, Program Director)

### **Gussow Conference**

Conference Chair: Steve Grasby

Technical Chair: Steve Larter

Committee Members: John Cody, Martin Fowler, Ian Gates, Stephen Hubbard, Dale Leckie, Mike Ranger, John Suter

The 2009 Gussow Conference on Engineering Sustainable Oil Sands Development was co-chaired by Steve Grasby and Steve Larter. The conference was an overall success and included a range of topics from well-received speakers. Due to the AAPG ICE conference being held at the same time next year, CSPG will not be running a Gussow conference in 2010.

### **Technical Luncheon Committee**

Chair: Chris Seibel

Co-Chairs: Tim Bergen, Riona Freeman and Ryan Mohr

In the period between September 2008 and August 2009 there were 20 Technical Luncheons held with average ticket sales of approximately 590 per luncheon. Topics included “The Changing Face of Exploration in the Western Canadian Sedimentary Basin” by Ian Young, “Were Triassic Rocks of the Western Canada Sedimentary Basin Deposited in a Foreland?” by Filippo Ferri, and “Geology Rocks! The Making of Canadian Rockies Geology Road Tours” by Ben Gadd. During this fiscal year members could purchase their Technical Luncheon tickets online.

### **Continuing Education**

Chair: Travis Hobbs

Committee Members: Carrie Jeanes, Tina Donkers, Samantha Etherington, Alexei Belonogov, Debbie Legaspi, Julia Baumeister, Tyrus Bender, Andrew Riben, Lana Sharp

#### **FIELD SEMINARS:**

This year we initiated our summer series of field seminars which focused on local trips in and around Calgary. They highlighted some of the impressive geology in Calgary and surrounding areas. The first year is always a struggle but as we gain momentum these series will increase in attendance. The CSPG ran seven field seminars (convention) across Alberta. Some of the most popular ones were: the Dinosaur Park Badlands, Chester Lake and to the Oil Sands in Athabasca. The average attendance ranged from 10 – 20 per field seminar. A total of 116 participants joined the CSPG in Field Seminar this past year

#### **SHORT COURSES:**

We had our third annual Education Week which is still going strong even in economically trying times. The CSPG ran 22 short courses (convention, education week, and additional ones throughout the year) ranging from one to three days, the most popular time range was one to two days. Some of the most popular courses were: Shale Gas Critical Fundamentals, Techniques and Tools for Exploration Analysis, Mississippian Carbonate Reservoirs of Western Canada and Clastic Facies and Depositional Environments in Core. The average attendance ranges from 15-20 with one course filling the full 30 spots three times. There were 319 participants engaged in courses this past year.

Next year, this committee is aiming to internally improved our web design giving the continuing education committee direct access to web management for faster updates and improved content. We are also looking at a committee mandate change. Originally we were mandated to provide high quality economical courses without undercutting other societies or educational organizations. Currently we are focused more on improving our course cash flow towards the CSPG.

Thank you to the instructors for their time, energy and enthusiasm in exposing the 'Rocks' and our sponsors:

## **TECHNICAL DIVISIONS**

### **Basin Analysis and Sequence Stratigraphy Division**

Co-Chairs: Mark Caplan and Steve Donaldson

We have formed a committee of four keen volunteers, and would like to extend many thanks to the other two committee members, Rob North and Gordon Stabb, for their continued encouragement and invaluable support.

Thanks are also expressed to EnCana Corporation and ConocoPhillips for permitting us to host our noon-hour talks at their Tower Centre Amphitheatre and Gulf Auditorium, respectively. We also extend our gratitude to Tim Hortons, the company that provided us with much needed sugary nourishment.

Over the last twelve months of 2009 BASS has hosted five excellent technical presentations with an average attendance of sixty-six people. We wish to thank the authors for donating their valuable time and providing the geological community with access to new and innovative research and methods.

These talks were:

April 20, 2009

“A New Look at McMurray Formation Stratigraphy”

Murray Gingras (Department of Earth and Atmospheric Sciences, University of Alberta)

Mike Ranger (Consultant)

May 26, 2009

“New Near Surface Geophysical Applications to the Exploration and Development of Oil Sands in Canada and the United States”

Paul Bauman (WorleyParsons)

October 19, 2009

“AGS Shale Gas Resource Evaluation 2009”

Dean Rokosh (Alberta Geological Survey)

November 26, 2009

“Life in Earth, Heavy Oil and Cleaning the End of the Fossil Fuel Era”

Steve Larter (University of Calgary)

December 17, 2009

“Integrated 3D Reservoir Characterization for Oil Sands Evaluation, Development and Monitoring”

Laurie Bellman (Oil Sands Imaging Inc)

We strive to provide members of the CSPG with the high-quality talks that they expect. In order to continue this service we are always looking for volunteer speakers. If interested, please call either Steve at 403-766-5534 or Mark at 403-532-7701. Your support is greatly appreciated.

### **Core and Sample Division**

Chair: Doug Hayden

During 2009 the Core and Sample Division held a meeting to discuss improved methods for drill cuttings collection at wellsite utilizing new devices, in response to challenging drilling conditions, which have made representative cuttings collection more difficult in the past 10 years. This is an on-going issue, which we will continue to address and rely on our members to provide feedback and suggestions to adapt to.

Members of the division also supplied volunteers to APEGGA’s bi-annual Open House at the Canmore Museum and Geoscience Centre. The contribution of division members was well received and appreciated by APEGGA and the Canmore area families that attended the Open House. Many keen, young, future geoscientists were impressed and inspired by the rock samples displayed by our members and the stories and passion that accompanied them.

To join the division or just stay informed of future meetings or talks, please contact the chair, Doug Hayden at (403) 615-1624 or [haydengeo@telus.net](mailto:haydengeo@telus.net).

### **Emerging Petroleum Resources Division (DO NOT SHOW)**

*No activity in 2009*

### **Environment Division Activities**

Chair: Andrew Fox

Committee: Ed Mathison, Emmanuelle Piron, Karen Bradshaw and Mark Rabin

The Environment Division held two well attended lunchtime talks in 2009. Thanks to Yale Properties for providing the Aquitaine Tower Auditorium for our talks. I would like to extend sincere thanks to the speakers for volunteering their time and effort. To all those who attended the presentations and provided lively and insightful discussions, thank you.

Technical support and logistics for the division talks was provided by MEG Energy Corp.

The 2009 Environment Division talks are:

January 2009

"CO2 Capture and Storage in Canada: the evolution of its development and potential deployment"

Bill Reynen (GSC)

May 2009

"The Global Warming Debate from a disinterested viewpoint"

Jerry Osborn (University of Calgary)

### **Geomodeling Division**

Co-Chairs: Weishan Ren and David Garner

We have a nice committee of eight keen volunteers. Although David Middleton and Tom Cox left us due to their job relocations, we have Olena Babak and Jeannette Watson who have joined to give new blood and new energy. We helped to collect 13 papers and chaired two successful Geomodeling sessions in the CSPG CSEG CWLS Convention of May 2009. In 2009, we hosted four presentations with an average attendance of 35 to 60 people.

The 2009 Geomodeling Division talks are:

April 22, 2009

"Variograms: Friend or Foe?"

Jerry Jensen

September 28, 2009

"Applications of 1D Electro-Facies Modeling"

David Garner

October 21, 2009

"CO2 Sequestration in Deep Saline Aquifers: Regional-scale Reservoir Characterization and Geomodeling"

Chris Eisinger

November 24, 2009

"Integration of multi scale data in facies modeling using Neural Network"

Khaled Benzaoui

### **Heavy Oil / Oil Sands Division**

Co-Chairs: Fraser MacNicol and Randy Smith

The Heavy Oil / Oil Sands Division is a new CSPG Technical Division. It was formed in 2008 to provide the opportunity for geologists with an interest in heavy oil and oil sands to both learn and network together.

The concept of hosting the talks in the morning has been very successful. We would like to thank our speakers, breakfast sponsors and guests for their contributions to this event. As well, we would like to thank RPS Energy for hosting our talks at their office.

The past year we have hosted four presentations with an average attendance between 40 to 50 people. A summary of the 2009 talks follows:

“Tar Sands: Key Geological Risks and Opportunities as Related to an Inconvenient Truth or, Hybrids, Heartburn and Hope”

Jack Century (Consultant)

“In-Situ Heavy Oil and Bitumen Recovery Operations – Technology Evolution in Action”

Dr. Brant Bennion (Weatherford Laboratories)

“Forensic Fluid Fingerprinting in Oil Sands Reservoirs to Delineate Mass Transport on Geological and Production Time Scales”

Jennifer Adams (Gusher Inc. Now with ConocoPhillips USA)

“Understanding H<sub>2</sub>S Generation during SAGD, CSS and other Thermal Recovery Operations”

Lloyd Snowdon (University of Calgary)

If you would like to know about this Division or about upcoming talks please free to contact Randy Smith at 403-263-0449 or at [smithjr@rpsgroup.com](mailto:smithjr@rpsgroup.com).

### **International Division**

Co-Chairs: Trent Rehill and Robert Potter

The year 2009 was great for the International Division. First, we would like to thank all our speakers for their excellent talks in 2009; without them, “no speakers, no talks”. Secondly, we would like to thank our generous sponsors for a fine year of International Division support: EnCana, ConocoPhillips and staff for use of the meeting facilities and *Geochemtech Inc.* for providing refreshments. Due to support from our speakers and sponsors, over the last twelve months we have hosted 10 presentations with an average attendance of seventy-five. Our new lunch hour format of a short "Rock Shots" warm-up followed by a "Main Event" talk has played a significant part in our steadily increasing attendance. Our attendee demographic range has also widened, spanning university students to “35 year” International G&G veterans. Two social events (the annual “Xmas Socializer” and the “Season Ender”) were successfully held and well attended at Buzzards. We would like to extend our thanks to Sensor Geophysical, Boyd – PetroSearch, Schlumberger and Buzzards for their continued support of the International Division.



The International Division now maintains a Facebook page (“CSPG International Division”) to post upcoming talks, discussions and networking forums. You can contact us via [cspginternational@yahoo.ca](mailto:cspginternational@yahoo.ca) for more info.

A list of the 2009 talks is below.

January 14, 2009

Rock Shots

Dr. Ken Jones (Past International Division Chair)

Main Event

“Deep-Water Deposits of Nigeria: Quantitative Integration of Core Data and Applications to Deepwater Development”

Siegfried (Sig) Joiner (Nexen Petroleum International)

February 11, 2009

Rock Shots

Paul Harrington (W.L. GORE & Associates)

Main Event

“Reconstructing the Paleo-elevation of the Central Andes”

Andrew Leier (University of Calgary)

March 18, 2009

Rock Shots

Siegfried (Sig) Joiner (Nexen Petroleum International)

Main Event

“The recognition and exploitation of fracture systems in a carbonate reservoir – Gulf of Suez”

Dr. Paul MacKay (University of Calgary)

April 15, 2009

Rock Shots

Chris Bergquist (CL Bergquist Consulting)

Main Event

Dennis Meloche (Devon Canada Corporation)

“The Colorado River Delta, Baja California: A Modern Analog for Environments of Sand Deposition within a Macrotidal Estuary”

May 12, 2009

Rock Shots

Trent Rehill (Kulczyk Oil Ventures)

Main Event

Gordon Hurlburt (Sherritt International)

“Exploration and Development of Oil in the Fold and Thrust Belt of Northern Cuba”

June 23, 2009

Rock Shots

Bill Skinner (Sunbold Energy Ltd)

Main Event

Tako Koning (Tullow Oil, Luanda Angola)

“Revisiting the East Georges Bank Basin, Offshore Nova Scotia: What the Explorationists Saw Two Decades Ago”

September 16, 2009

Rock Shots

Geoff Rait (Talisman Energy)

Main Event

Peter B. Jones (International Tectonic Consultants Ltd.)

“A Gravity Collapse Origin for the Hampshire Basin, and its effect on the petroleum system of the Wytch Farm and other oilfields in Southern England”

October 14, 2009

Rock Shots

Dr. Trent Rehill (Kulczyk Oil Ventures)

Main Event

J.P. (Paddy) Chesterman (Chesterco Inc)

“Arc-Continent Collision: a comparison of the SE Caribbean and Taiwan-Ryukyu margins”

November 18, 2009

Rock Shots

Paul Harrington (W.L. GORE & Associates)

Main Event

Dr. J. D. Harper (Geologic Survey of Canada)

“The geologic history of the East Coast-Canada Jurassic: a tale of rifting, spreading, shifting deltas, reefs, and salt tectonics

December 16, 2009

Main Event

Trevor Johnson (Husky Energy)

“Explore the World of Shipwrecks and the Wonders to be Found Below the Waters of BC and Alaska”

We have a growing vibrant division and have planned an excellent series of talks for 2010.

### **Palaeontology Division**

Chair: Philip Benham

Talks are jointly sponsored by the CSPG Paleontology Division, Alberta Paleontological Society and Mount Royal University Earth Sciences Department. The Paleontology Division held seven talks in 2009. Attendance varied from 25 to 60 people. Also held in conjunction with the Alberta Paleontological Society and Mount Royal College was a weekend long symposium in March 2008 where an additional seven lectures were given and numerous posters were on display. This free event attracted approximately 250 people including members of the general public and provided opportunity to interact with those researching in the field of paleontology. I want to thank MRU for free provision of facilities and all the volunteers who helped set up audiovisual, provide coffee and organize the events.

A list of the 2009 talks is below.

January 16, 2009

Philip Benham (Shell Canada Energy)

“Garden of Eden: How the Great Rift Valley of East Africa influenced evolution”

February 20, 2009

Speaker: Nick Longrich (University of Calgary)

“North America's Smallest Dinosaur: *Albertonykus borealis*”

Paleo2009 Symposium March 14<sup>th</sup>-15<sup>th</sup>

Lectures:

Donald Prothero (Occidental College)

“Stasis in late Pleistocene birds and mammals from Rancho La Brea during the last glacial-interglacial cycle”

Don Brinkman (Royal Tyrrell Museum)

“The non-marine fish of the Late Cretaceous and early Paleocene of Western North America – evidence from microvertebrate sites.”

Danielle Fraser (University of Calgary)

“Studying latitudinal variation in the response of ungulates to late Miocene climate change”

Keiichi Aotsuka (Canadian Fossil Discovery Centre, Morden)

“The first occurrence of the Baptonithidae in the Pierre Shale Formation (Pembina Member) of Manitoba”

Darren Tanke (Royal Tyrrell Museum)

“The use of helicopters in paleontological fieldwork in Alberta, Canada”

Murray Gingras (University of Alberta)

“Pleistocene walrus predation; trace fossil evidence in Willapa Bay, Washington”

Jason Anderson (University of Calgary)

“The impact of the 'frogamander' on ideas of modern amphibian evolution”

Joseph Hatcher (Canadian Fossil discovery Centre, Morden)

“Paleotaxa of the Pierre Shale Formation, Southern Manitoba”

Workshops:

Joseph Hatcher (Canadian Fossil Discovery Centre)

“Comparative Osteology of the Fossil Marine Taxa of Southern Manitoba.”

Dr Wayne Haglund (Mount Royal College)

“Classification and Identification of Bryozoa”

April 19, 2009

Robin Cuthbertson and Jordan Mallon (University of Calgary)

“Reconstructing the jaw mechanics of extinct vertebrates, with a focus on the cranial joints of hadrosaurine dinosaurs”

May 8, 2009

Kevin Aulenback (Drumheller)

“What’s really out there? The conifers (gymnosperms) of the Horseshoe Canyon Formation”

September 18, 2009

Open House and Fossil Identification Clinic

October 16, 2009

Alwynne B. Beaudoin (Royal Alberta Museum)

“Charles Darwin and the idea of time”

October 23, 2009

Elizabeth T. Smith (School of Biological, Earth and Environmental Sciences, University of New South Wales)

“Black Opal Zoo – A Diverse High-Latitude Warm Climate Biota from the Early Cretaceous Opal Fields of Lightning Ridge, New South Wales”

November 13, 2009

Kirstin Brink (University of Toronto)

“Cranial crest growth of *Hypacrosaurus stebingeri*”

December 11, 2009

Christmas Social

## **Sedimentology Division**

Chair: Steve Hubbard

A report has not been submitted for at least two years. Over the last year and a half, the division has been informally co-chaired by Bryan Gill of BP ([Bryan.Gill@bp.com](mailto:Bryan.Gill@bp.com)). Bryan mostly took care of arranging the presentation room in the BP Tower, and doughnuts and coffee from Tim Hortons. Unfortunately, the room is very bright and not well suited to technical presentations. An alternative venue is needed. Six talks were held at the BP Centre, attracting 20-60 geologists, between March 2008 and March 2009. The division has been inactive over the second half of 2009. High-quality presentations have been particularly difficult to solicit. Many top-notch sedimentology-based presentations have been featured in the BASS division talk series, which is well run and associated with an exceptional venue. Recent presentations of the Sedimentology Division:

April 16, 2008

Tyler Hauck (Alberta Research Council)

“Life Under Microtides; Neoichnology of a modern wave-dominated barrier island/embayment system, New Brunswick, Canada

March 27, 2008

Andrew Leier (University of Calgary)

“Using the Sedimentary Record to Reconstruct the Rise of the Tibetan Plateau”

October 29, 2008

Jon Noad (Shell Canada)

“The Sedimentology of Mangroves”

November 19, 2008

Godfried Wasser (Eucalyptus Consulting)

“Are Alberta’s Foreland Basin Rivers a Key to Understanding Fluvial Deposits of the Western Canada Sedimentary Basin?”

March 18, 2009

Godfried Wasser (Eucalyptus Consulting)

“Jurassic and Lower Cretaceous Deposits of Northeast British Columbia: Surface and Subsurface”

## **Structural Geology Division**

Chair: Darcie Greggs

We formed a committee of three additional volunteers, Jean-Yves Chatellier, Patrick Fothergill and Adriana Taborda, whose energy and enthusiasm are greatly appreciated. We would like to express our thanks to Shell Canada for providing the venue for our noon hour talks, and as well to HEF Petrophysical for the refreshments.

Over the last twelve months we have hosted eight presentations with an average attendance of about 40 people; Approximately 20 people participated in the fall field trip.

The 2009 Structural Geology talks include:

February 18, 2009

Andrew C. Newson (Moose Oils Ltd., Calgary) and co-author Charles R. Berg (Resdip Systems, Houston)

“RDA Dip Interpretation Suite (RDA). Real Time Dipmeter Interpretation and its Impact on the Reservoir Modeling of Structural Plays”

March 5, 2009

Josgre Salazar (Geoscience Department, University of Calgary, Calgary)

“Geometry and kinematics of a Triangle Zone in the Central Alberta Foothills”

April 9, 2009

Jean-Yves D. Chatellier (Talisman Energy Inc., Calgary)

“3-D Views of Fractures, Faults and Migration Paths in Alberta – a multidisciplinary and data mining approach”

May 7, 2009

Patrick Fothergill (Schlumberger, Calgary) and co-author Romain Prioul (Schlumberger-Doll Research, Cambridge, USA)

“Fracture anisotropy modeling using borehole images and dipole sonic data: examples from tight gas sandstone reservoirs in the Canadian Foothills”

September 2009

Field Trip to Turtle Mountain

Led by Willem Langenberg (Long Mountain Research) and Tim Hartel (Suncor Energy, Calgary)

“The Rise and Fall of Turtle Mountain, Southern Alberta Foothills”

September 16, 2009

Joint Session with the International Division

Peter B. Jones (International Tectonic Consultants, Ltd., Calgary)

“A Gravity Collapse Origin for the Hampshire Basin, and its effect on the petroleum system of the Wytch Farm and other oilfields in Southern England”

October 8, 2009

Rob Vestrum (Thrust Belt Imaging, Calgary)

“Anisotropic depth migration in the Colombian Llanos Foothills as a key to understanding the structure in depth”

November 5, 2009

Andrew R. Gorman (Department of Geology, University of Otago, Dunedin, New Zealand)

“The Alpine Fault – Preparing to Drill into an Oblique Continental Collisional Boundary”

December 3, 2009

Bridgitte Ady (GeoArctic Ltd., Calgary)

“Developing a New Framework for the Tectonic Evolution of the Arctic”

The Structural Division aims to present talks with both structural and geographic diversity as well as a mix of applied and theoretical concepts. Our enthusiastic attendees range from structural novices to emeriti – all are welcome and we encourage post-presentation discussions. For those interested in presenting or being on the e-mail notification list, please contact Darcie Greggs at Darcie.Greggs@shell.com.

## **SERVICE REPORT**

(Ayaz Gulamhussein, Service Director)

### **Membership**

CSPG closed the fiscal year end with 3123 members, of which 2722 were active members. We commenced electronic registration and notification with a two year plan for automation online memberships. CSPG has 20 student chapters.

### **Volunteer Management**

The Volunteer Management Committee (VMC) has been revitalized after being dormant for a few years. The Task Force Mandate of the committee is as follows: "Because volunteers are the Society and are essential to its success, design and implement a volunteer management system that will replenish the volunteer base and is rewarding socially, technically and professionally for our volunteers." The office has developed a new system to keep track of our volunteers so they may receive proper recognition.

### **Photographic Services**

Chair: Vic Panei

This committee provided photographic coverage at most of the Society's technical luncheons, conventions and social events. Vic Panei has been active in this role since 1974 and Penny Colton has been photographing our events since 2004.

### **History and Archives**

Chair: Clinton R. Tippett

The History and Archives Committee was relatively inactive over the last year. Initial steps have been taken in an effort to establish policies for the routine management of the Society's historical and ongoing records in conjunction with the Glenbow Archives where these records are maintained. A strong informal relationship exists with the

Petroleum History Society whose events are attended by many CSPG members. A more formal affiliation may develop in the future.

### **Awards**

In 2009, the 2008 CSPG Awards were presented in a format different from previous years. Service and Volunteer awards were presented at the January 19, 2009 Technical Luncheon. Honourary Membership Awards were presented at the Long Time Members' Reception and all others were presented at a special evening reception, May 6, 2009 during the annual convention.

The reception was well-received and the same format will be used in 2010 to include all award winners.

The CSPG 2008 Award Chairs and Winners are listed below:

Stanley Slipper Gold Medal  
Chair: John Hogg  
No award candidate for 2008

RJW Douglas Medal  
Chair: Margot McMechan  
No award candidate for 2008

Honourary Membership  
Chair: Don Keith  
Award Recipients: Donald Cook and David G. Smith

Medal of Merit  
Chair: Ian Kirkland  
Award Recipients: Bruce S. Hart, Bogdan L. Varban, Kurt J. Marfurt, and A. Guy Plint

Link Award  
Chair: Lloyd Freeman  
Award Recipient: Benoit Beauchamp

President's Award  
Chair: Lisa Griffith  
Award Recipients: Bruce Shultz, Tooney Fink, and Brian Glover

President's Special Recognition Award  
Award Recipient: Ian McIlreath

H.M. Hunter Award  
Chair: Craig Lamb  
Gerry Reinson and Kirk Osadetz



## Tracks Award

Award Recipient: Dr. Glen Stockmal

## Service Awards

Award Recipients: Darren Aldridge, Wes Bader, Laura Brick, Allan Carswell, Gela Crane, Graham Davies, Jon Dudley, Jennifer Dunn, Peter Fermor, David Garner, Aaron Grimeau, Ayaz Gulamhussein, Richard Harris, Ken Hedlin, Travis Hobbs, Dawn Hodgins, Krista Jewett, Scott Leroux, Adam MacDonald, Ross McLean, Terry McCoy, Lori Meyer, David Middleton, Stuart Mitchell, Lyndsey Nicholas, Regan Palsgrove, Indraneel Raychaudhuri, Flo Reynolds, Kevin Root, Robert Scammell, Darren Singleton, Kathy Taerum, and Keith Yaxley

## Volunteer Awards

Award Recipients: Linden Achen, Jennifer Adams, Nabil Al-adani, Andrew Anderson, Paul Anderson, Roger Baker, Kerrie Bann, Megan Barefoot, Pratt Barndollar, Kimberly Bastedo, Selena Billesberger, John Boyd, Peter Boyle, Frechia Buenaventura, Margaret Bures, Marc Bustin, Graham Carter, Octavian Catuneanu, Robert Chelak, Andre Mu-chin Chow, Shawna Christensen, William Clark, John Cody, Lindsey Collins, Penny Colton, Andrew Cook, Joanna Cooper, Marcia Coueslan, Tom Cox, Erin Crerar, Sarah Cutten, David D'Amico, Shahin Dashtgard, James Davidson, Angela Dearin, Ian DeWolfe, Dr. Steven Donaldson, Tina Donkers, Angela Dowd, Taras Dziuba, Nanna Eliuk, David Emery, Cheryl Emmett, Michael Enachescu, Joe English, Samantha Etherington, Edward Etris, John Evans, Julia Feltham, Roger Fife, Elvis Floreani, Hilary Foulkes, Carly Frank, Jeremy Gallop, Murray Gingras, Ted Glenn, Bill Goodway, David Grinde, Arnim Haase, Dr. Matthew Hall, Anne Halladay, Douglas Hardman, John Harper, Simon Haynes, Steven Haysom, Devon Henderson, Denise Hodder, Brian Hoffe, Tamara Holmes, Dr. Stephen Hubbard, Victor Irwin, Dr. Dale Issler, Carrie Jeanes, Kris Jewett, Gareth Johnson, Deanne Katnick, Dirk Kirste, Stephen Kotkas, John Kovacs, Dr. Larry Lane, Steve Larter, Jason Lavigne, John Lefebure, Debbie Legaspi, Nicole Lehocky, Erin Linley, John Logel, Thérèse Lynch, Fiona MacDonald, James MacEachern, Cory MacNeill, Blair Mattison, Dennis Meloche, Bob Menard, Annette Milbradt, Marianne Molgat, Rachel Newrick, William Nickerson, Guillaume Nolet, Godfrey Nowlan, Meghan O'Reilly, Michael Pacholek, Jeffrey Packard, Heath Pelletier, Stacey Perilli, Mike Perz, Chris Podetz, Dr. Brian Pratt, Jim Reimer, Weishan Ren, Jonah Resnick, Megan Roche, Sandra Rosenthal, Mauricio Sacchi, Justine Sagan, Lana Sharp, Claus Sitzler, Heather Slavinski, Tom Sneddon, Robert Stewart, Joe Stuhec, Gary Taylor, Daniel Trad, Stewart Trickett, Charles Ursenbach, Craig Van Dongen, Chris Wallace, Angie Webster, Christa Welsh, Lawrence West, Jay Williams, Brett Wrathall, Alex Wright, Brian Zaitlin, and Ye Zheng

## **Classic Golf**

Forty-Ninth Annual CSPG Classic Golf Tournament (June 17-19, 2009)

At 1:00PM June 17, 2009 at Elbow Springs Golf Club, 144 CSPG members and sponsor guests teed off under overcast skies with intermittent showers. However the slight amount of inclement weather failed to dampen the spirits of these enthusiastic

participants. After three days of golfing and socializing, former champions Mike Hartwick and Jim Young dueled with Mike emerging as Paskapoo Flight winner. The winner of the Chuckwagon (Texas Scramble) was led by Rick Reeves with team mates Matt Earle, Derek Christie and Rick Kroeker. The second place Chuckwagon team members were Daniel Gee, Shawn McCrea, Deno Adams and Lois Zver. The tournament again supported Wellspring Calgary as its charity.

The Committee would like to thank all its sponsors: Diamond: Schlumberger (Halfway House) and geoLOGIC systems ltd. (shirts & tent); Emerald: Geostrata Resources (trip sponsorship), Halliburton (sponsorship), IHS Energy-Canada (tent), Pro Geo Consultants (sponsorship-volunteers), Weatherford Canada Partnership (tent & prizes), and Wildcat Scouting (sponsorship); Platinum: AGAT Laboratories (BBQ and keeper trophies), Baker Atlas Wireline (tent), Belloy Consulting (roster book and prizes), CSPG (infrastructure and administration), Divestco (tent), Fugro Data Solutions (trip prize), GLJ Petroleum Consultants (prizes), Little Rock Document Services (sponsorship), LogTech Canada (sponsorship), MJ Systems (Breakfast), Ryan Energy Technologies (wine), RECON Petrotechnologies (tent), Sproule Associates prize) and West Canadian (roster book & group photos). The above sponsors will receive additional recognition as well as the Gold, Silver and Bronze sponsors for their support on the registration form for the 2010 Tournament in the April Reservoir.

The Flight Winners and Runners-Up are as follows:

| Flight | Flight Winner      | Flight Runner-up  |
|--------|--------------------|-------------------|
| 1      | Hartwick, Mike     | Young, Jim        |
| 2      | Peters, Mitch      | Young, Ian        |
| 3      | Halberstadt, Brian | Zaoral, Mirek     |
| 4      | Ard, Brian         | Kryway, Cam       |
| 5      | Park, Bob          | Langill, Rob      |
| 6      | Sephton, Bob       | Herman, Cliff     |
| 7      | Boreski, Chuck     | Frame, Murray     |
| 8      | Hood, Paul         | Uniacke, Sean     |
| 9      | Maksymchuk, Tyler  | Torry, Brad       |
| 10     | Mitchell, Randy    | Calderwood, James |
| 11     | Phillips, Tom      | LaBerge, Mike     |
| 12     | Rokosh, Bob        | Baekeland, Roger  |
| 13     | Maughan, Mike      | Mummery, Bob      |
| 14     | Nakum, Raj         | Hendricks, Len    |
| 15     | Grinde, David      | Pember, Fred      |
| 16     | Robak, Brian       | Read, Dean        |
| 17     | Hill, Ron          | Gould, Jack       |
| 18     | Smith, Randy       | Burch, Barrie     |

The tournament committee consisted of Mike LaBerge, Chairman and members James Ablett, George Ardies, Craig Boland, George Bowley, Richard Chisholm, Foon Der, Bob

Earle, Matt Earle, Andreas Georgousis, David Grinde, Brenda Pearson, Fred Pember, Frank Pogubila, Scott Thain, Mike Swain, Gerald Wendland plus Tom Kelly the auctioneer.

The organizing committee extends an invitation to former players CSPG members and sponsors to participate and celebrate the 50<sup>th</sup> Anniversary Tournament from June 16-18, 2010. New applicants are encouraged to apply with a special invitation to female participants. We hope to see you there.

Look for the registration form in the April Reservoir or on the website at the following URL:

<http://www.cspg.org/events/events-social.cfm>

### **Mixed Golf**

Chairs: David Caldwell and Brenda Pearson

Committee Members: Darin Brazel, David Caldwell, Penny Christensen, Norm Hopkins, Dick Willott, Kevin Muir and Hugh Wishart

Dates: August 28, 2009

Location: Lynx Ridge Golf Course

Participants: 145

We would like to thank the following sponsors: Platinum Sponsor: Canada Brokerlink; Gold: GLJ Petroleum Consultants, Tucker Wireline Services; Silver: AGAT Laboratories, Cougar Consultants Inc, Energy Navigator, Exova, geoLOGIC systems ltd., Hotwell Canada Ltd., IHS, LogTech Canada Ltd., MJ Systems, Schlumberger, Sensor Geophysical Ltd.; Hole Sponsor: Belloy Petroleum Consulting Ltd., Boyd PetroSearch, CL Consultants, Command Equipment Ltd., DeGolyer and MacNaughton Canada Ltd., Edge Technologies., Enseco Energy Services, First Energy Capital Corp., Nexus Exhibits Ltd., Pro Geo Consultants, RPS Energy Canada Ltd., Sproule; Prize Donors: Aramark, Birchcliff Energy Ltd., Genesis Executive Corporation, Global Energy Services Ltd, CMP Private Client, Reinson Consultants Ltd., Sigma Explorations Inc., TOTAL Gas Detection Ltd., Weatherford Canada Partnership, and Weatherford Laboratories.

We would also like to congratulate the winners. Low Gross winners of the 20th Anniversary Golf Tournament were Mike Hartwick, Robert Calow, Fraser MacNichol and David Middleton with a score of 61 three strokes better than last years 64. Low Net went to the "Sandbagging" team of Tom Charuk, Rex Brigan, Warren Dublonko and Dan Krpan with a score of 55.42. The team that had the most fun with a score of 77 was Travis Nicolle, Scott Thain, Shelley Pawlak and Andrea Henry.

### **10K Road Race and Fun Run**

Chair: Mike Cardell

Committee Members: Matt Hall, Greg Hayden, Cindy Koo, Stephen Kotkas, Chris Manion, Kathy Taerum, Kathy Waters, Jocelyn Frankow

Dates: September 16, 2008

Location: Eau Claire YMCA

Participants: 161

The following is a list of the Road Race sponsors: Platinum Sponsors: CGGVeritas, geoLOGIC systems ltd., IHS, Gord's Running Store; Gold: Earth Signal Processing, Paradigm Geophysical, Paramount Energy, Total E& P, Tucker Wireline Services; Silver: Apoterra, Devon, Divestco, Duvernay Oil Corp, GEDCO, Regent Resources Ltd., Weatherford, Arcis, Sensor Geophysical Ltd; Bronze: AGAT Laboratories, Belloy Petroleum Consulting Ltd., Continental Laboratories, ConocoPhillips, Edge Technologies, Eau Claire YMCA, Key Seismic, Satcom Ltd., and Petro-Canada.

Congratulations to the winners:

Top CSPG Male - Francois TREMBLAY

Top CSPG Female - Justine SAGAN

Top CSEG Male - Richard KELLETT

Top CSEG Female - Shirley FLEMING

Top CAPL Male - Justin KANGARLOO

Top CAPL Female - Stephanie HAY

### **Squash**

Chair: David Caldwell

Committee Members: Ryan Barnett, Warren Dublonko, Megan Barefoot, Jessie Mitton, Leanne Paterson, Randy Smith, Shawn Lafleur, Jay Williams, Kristy Howe and Naomi Storey

Dates: February 5-7, 2009

Location: World Health Club in Edgemont

Participants: 126

The following is a list of the sponsors: Tournament Sponsor: Tucker Wireline Services Canada Inc.; Gold: Belloy Petroleum Consulting Ltd., Earth Signal Processing, GeoTir Inc., Halliburton, LogTech (Canada) Ltd., Lyons Oilfield Scouting, Pason Systems Inc., RigSat Communications Inc., RPS Energy Canada Ltd., TOTAL Gas Detection Ltd., Weatherford Canada Partnership; Silver: AGAT Laboratories Ltd., Blue Castle Corporation, Canada Brokerlink, Command Equipment Ltd., Cougar Consultants, DeGolyer and MacNaughton Canada Limited, EnCana Corporation, Enesco Energy Services, geoLOGIC systems ltd., Hycal Energy Research Laboratories Ltd., Hotwell Canada Ltd, Matrix Solutions Inc, MD Totco, A Varco Company, Prodrill Fluid Technologies; Bronze: Angle Energy Inc., Canadian Natural Resources Limited, Core Laboratories Canada Ltd., Edge Technologies, Fire Creek Resources Ltd., Matrix Geoservices Ltd., Statcom Ltd.

Congratulations to the winners:

Men's A Ian Laycock

Men's B Ken Chong

Men's C Kyle Porter

Men's D Mike Little  
Men's E Joe Rescky  
Women's A Ashley Ramsden-Wood  
Women's B Sandi Bunko  
Women's C Alana Humphreys  
Women's D McKinley van Rijn  
Women's E Courtney Whibbs  
Doubles Champion - Recreational Solana Jear and Ann Burrage  
Doubles Champion - Competitive James Muraro and Gordon Copp

## **OUTREACH REPORT**

(Mike DesRoches, Outreach Director)

This is the annual consolidated report of the committees that make up CSPG Outreach. CSPG Outreach is concerned with university and public education programs, enhancing the development and delivery of petroleum geology programs through awards and scholarships, raising the interest and awareness of geosciences students and the public regarding petroleum geology. Outreach is comprised of the following committees: Graduate Thesis Awards, Honorary Address, Regional Scholarships, SIFT (Student Industry Field Trip), Undergraduate Awards, University Outreach, the Andrew Baillie Awards.

Activities outside the defined committees included support and attendance at many youth outreach events, and inclusion on many intersociety, sector council and educational committee meetings. Plans for the future will include establishing a Youth Outreach Committee, develop better communications materials for schools, educators and career shows, and continue to grow our existing successful programs to serve undergraduate and graduate students in geology.

### **University Outreach**

Chair: Simon Haynes

Student Chapters Coordinators: Mark Radomski (Western Canada), Cole Webster (Ontario), Marianne Molgat (Quebec), Denise Hodder (Atlantic Canada)

Conventions/Geoskills/APEGGA liaison: Corey MacNeill

Lecture Tours Contacts: Chad Glemser and Tracy Allen

AUGC Contact: Angela Dearin

Central Conferences Contact: Justine Sagan

WIUGC Contact: Markus Ebner

Committee Members: Aaron Grimeau (co-chair for 2010), Denise Hodder, Chad Glemser, Tracy Allen, Justine Sagan, Mark Radomski, Cole Webster, Marianne Molgat, Angela Dearin, Markus Ebner, Sandra Rosenthal, Erin Linley, Cory MacNeill, Kimberly Ing, Tannis McCartney

### **Student Membership**

In September 2009, we introduced two types of memberships for students. The electronic student membership, which allow students to access the Reservoir and the Bulletin online for free, and the paying membership, which provided the Reservoir to be mailed to students 11 times per year. The vast majority of students have opted for the electronic membership. As in previous years, universities with five or more student members were encouraged to start a CSPG Student Chapter. As of December 2009, there were 15 universities with student chapters, although only 12 of these had applied for funding of \$250 each. This money is used for various things such as pizza lunches to introduce SIFT and the CSPG to the students (hosted by the students themselves), offsetting field trip expenses, assisting students to attend conferences, etc. There were a total of 326 CSPG student members at the end of 2009.

### **Lecture Tours**

Chad Glemser and Tracy Allen organized the CSPG University Outreach Lecture Tour programs last year. There were a total of six tours, and we managed to get speakers to go across the country to share their work with students at a variety of universities. The speakers will show CSPG slides that we provide at the end of their talk and encourage students to join. The University Outreach program provides funding for pizza and refreshments at all talks.

The Fall Tour was comprised of the following: Marianne Molgat visited University of Toronto, Lakehead, Laurentian and Bill Martindale visited Western, Waterloo, Queen's, Carleton, University of Ottawa, and McGill.

The Winter Tour was comprised of the following: Mike Rygel visited six schools in Ontario (Windsor, Western, Waterloo, Laurentian, University of Ottawa, Carleton) in January; Scott Rayner visited Dalhousie, St. Francis Xavier and Acadia in March; Terry Lukie visited University of Manitoba, Regina, Saskatchewan, Simon Fraser and Victoria, where he discussed horizontal drilling in Triassic reservoirs; and Alex McNeil visited McMaster, Queen's, and McGill in March and presented work from his Ph.D. thesis which focused on carbonates in the Northwest Territories.

### **Conferences**

AUGC (Atlantic Universities Geological Conference) was held at Dalhousie University in October 2009. Aaron Grimeau and Cory MacNeill were able to attend the conference on behalf of CSPG, along with Stephen Kotkas of CSEG. CSPG presented an award for Best petroleum-related presentation with a prize of \$600. CSPG sponsorship for the conference was \$1500 (note that this support was not out of the Outreach Budget). The conference attendance was 146 students.

WIUGC (Western Inter-University Geosciences Conference) was hosted by UBC in Vancouver in January 2009. Simon Haynes and Sandra Rosenthal attended WIUGC on behalf of CSPG. They coordinated their booth set-up with Stephen Kotkas and Lori Barth from the CSEG Outreach Program. Prizes were awarded (\$300 each) for Best Graduate Poster and Best Undergrad Poster. Conference sponsorship was \$1000. The

turn-out was fairly good at WIUGC, with approximately 130 students attending, including a few from American schools.

IGSRS (Interdisciplinary Graduate Student Research Symposium) was held at McGill in March 2009. Justine Sagan and Erin Linley attended the conference on behalf of the CSPG University Outreach Committee and helped judge talks and posters.

AESRC (Advances in Earth Sciences Research Conference), which involves the University of Ottawa, Carleton, Queens, was held at Queen's University in March 2009. Justine Sagan and Erin Linley attended the conference on behalf of the CSPG University Outreach Committee and helped judge talks and posters.

Joint CSPG CSEG CWLS Convention - the University Outreach Committee set up a booth in conjunction with the CSEG Outreach Committee at the Joint Annual Convention in May 2009. The booth consisted of small tables and stools, and was a focal point/gathering place for students to hang out, compare notes, and learn more about the CSPG and CSEG. A foosball table was kindly donated by Trident, and was instrumental in attracting students and getting them to meet CSPG and industry representatives (as well as each other!). The table was given away in a draw for students at the end of the conference.

### **Field Trip**

In July of 2009, Erin Linley organized a field trip to Kananaskis for 39 students. The trip was lead by Graeme Bloy and Rob McDonald, with assistance from three volunteers from CSPG. We left Calgary by hired coach at 8:00 am, and drove down to the base of Moose Mountain in the Kanasaskis, where the students were given an overview of Mississippian paleogeography and the stratigraphy. The leaders then walked us up through a succession of Mississippian carbonate rocks to examine the various facies. We had excellent weather, lots of questions from the students, and a very fun day out of the office. Sign-up was online, and coordinated by Dayna Rhoads at the CSPG office.

### **Graduate Student Thesis Awards**

Chair: Andre Chow

Committee members: Tim de Freitas, Richard Evoy, Tony Hamblin, Sid Leggett, Terry Sami, Eileen Scott, Martin Teitz, Michael Webb, Andrew Willis)

This year (2009) eight M.Sc. and four Ph.D. theses were submitted representing six universities across Canada. The winner of the Ph.D. award is Hasley L. G. Vincent (Dalhousie University, Prof. Grant Wach, supervisor) for his thesis entitled "Cenozoic Sediment Dispersal Patterns across Trinidad, West Indies". The winner of the M.Sc. award is Cindy C. Robinson (University of Calgary, Prof. Ron Spencer and Prof. Steve Larter, supervisors) for her thesis "A Multidisciplinary Approach to Evaluating Shale Gas

Potential in a Biogenic System: the Upper Colorado Group Shales in Southeastern Alberta”.

Many thanks are extended to all the members of the committee for taking time out of their very busy schedules to evaluate this year's theses. Their patience and dedication especially in these uncertain times never ceases to amaze me. Also thanks are extended Pengrowth Corporation for their support. Our committee did welcome the return of Richard Evoy and added Andrew Willis as a new member of the committee this year.

The committee is always looking for members interested in reading and judging theses. Participation provides members with an opportunity to keep up to date with current university research. If you are interested in serving on next year's committee, please contact Andre Chow or any of the other committee members for additional details.

### **Honorary Address**

Chair: Linden Achen

Committee members: Frecia Buenaventura, David Grinde, Jason Frank, Penny Colton, Stacey Perilli, Alex Wright, Tom Sneddon, Annette Milbradt, David Middleton, Greg Lynch, Devon Henderson, Jay Williams, Shawn LaFleur, Stephen Kotkas, and Bret Wrathall

Topic: The Science of Big Wave Surfing

Date: October 28, 2008

Location: Southern Alberta Jubilee Auditorium

The following companies sponsored this event: Partners: APEGGA, CSEG, CSPG Educational Trust Fund; Sponsors: AJM Petroleum Consultants, Devon Canada, Weatherford, Nexen, and Petro-Canada.

This year the morning presentation was appreciated by local 1,800 school children. The evening event was attended by 1,000 individuals of many ages.

### **Regional Scholarships (DO NOT SHOW?)**

Scholarships were not awarded this year due to a lack of funding. If your company would like to sponsor these scholarships please call xxxxxxxx.

### **Student Industry Field Trip (SIFT)**

2008 Chair: Therese Lynch

2009 Chair: Therese Lynch

2009 Committee Members: Allan Carswell, Alyssa Middleton, Andrew Cook, Dawn Hodgins, Debbie Legaspi, Guillaume Nolet, Heather Slavinski, Ian DeWolfe, Indy Raychaudhuri, John Lefebure, Kim Bastedo, Megan Barefoot, Meghan O'Reilly, Michael DesRoches, Mitch Allison, Roger Baker, Stacia Skappak, Therese Lynch, and Wes Bader



Once again CSPG SIFT 2009 was a tremendous success which ran from May 2- May 15, 2009. SIFT has phenomenal industry support; from the 20 volunteers on the organizing committee to the many industry professionals who volunteer their time as session lecturers and especially from the companies who support us financially. ConocoPhillips Canada, EnCana Corporation, Shell Canada Limited, Imperial Oil Limited, Devon Energy, Talisman Energy, Suncor Energy were our major industry sponsors this year. On behalf of the entire SIFT committee and the CSPG I want to thank all these individuals for their continual support.

The CSPG SIFT 2009 committee hosted 31 undergraduate geoscientists in Calgary for a two week introduction to the Canadian petroleum industry through classroom lectures, core workshops, an exploration game, several field trips and many opportunities to talk to professionals who work in our industry. Students attend a series of lectures presented by industry experts, topics including well logging and log interpretation, carbonate and clastic reservoirs, geophysics, wellsite operations, heavy oil and more. The students participate in core workshops, field trips to the Rocky Mountains and Dinosaur Provincial Park, a rig tour, an exploration game and a student-industry wine and cheese. The exploration game teaches the students the reality of the oil and gas business. Teams of three to four students are formed with a small land base and seed capital to start exploring and build a company. They used real well log data to create interpretations and geological models which allowed them to bid for additional land, drill wells and structure business partnerships. At the end of the program an experienced industry panel judges the interpretations and success of the individual companies and awards the “Best Technical” company and the “Most Financially Successful” company. 2009 winners of the Larry Strong Financial Award were Harun Idris from Acadia University, Nadia Bruemmer from University of Alberta, Colin Sproat from Brandon University, and Kelsey Uhrynuik from Brock University. This year’s winners of the Bill Ayrton Technical Award were Steve Christie from University of Regina, Maureen Hill from University of Toronto, Jamar Regis from St. Mary’s University, and Farisa Zaffa from University of Western Ontario.

The students were kept very busy by the SIFT Committee through the two weeks but they also had the opportunity to bond with one another and share their many new experiences. They have created a Facebook page for their group and have persuaded some of the non-Facebook users to sign up just so that they can maintain contact with everyone as well as share their photos. Many of the students formed friendships and connections that will last for the rest of their lives and a number of them will hopefully also find jobs in Canada’s petroleum business in future years. In closing, many thanks too all the SIFT committee members that have worked on the committee over the past 32 years. The organizing committee puts in a huge effort every year and it is a result of their hard work that SIFT is such a success. Over the past two years this committee thrived under Therese Lynch’s leadership. We wish her all the best in her new endeavors.

#### **Undergraduate Awards Committee**

Chairs: Aaron Grimeau and Sandra Rosenthal

CSPG Undergraduate Awards are awarded to the most deserving undergraduate in soft rock geology in each of Canada's university geology faculties. Award recipients are chosen by a subset of members from the CSPG Student Outreach Committee, specifically the Eastern, Central, and Western student chapter representatives, the Chairman of the committee, and other members of the committee (time and availability permitting). Awards are based on a combination of strength of the candidate's essay and perceived interest in soft rock/petroleum geoscience, with their comments from their professor's letter of recommendation and grades being taken into consideration. However, the primary basis for the award will be the enthusiasm and interest of the student in soft rock/petroleum geology. 2009 Winners are as follows: Jonathan Menivier of McGill University, Francis Fortin-Morin of Université Laval, Dave Anthony of University of Ottawa, Daniel Cederwall of University of Saskatchewan, Joel Shank of University of Western Ontario, and Steve Holland of University of Windsor.

### **Andrew D. Baillie Awards**

The Andrew D. Baillie Award has been presented annually since 1991 for the Best Student Oral Presentation and Best Student Poster Presentation given at the annual technical conference. The award is to recognize excellence in presentation and encourage a high level of technical prowess worthy of Andrew Dollar Baillie.

Andrew D. Baillie was an active CSPG member and in particular, an avid supporter of the CSPG Trust, and the educational activities that the CSPG promoted to the student members of the society and the general public in geology. The winner of the award for Best Student Oral Presentation was Mostafa Naghizadeh of the University of Alberta, for his talk "Making FX Interpolation more Robust by Spectrum-Guided Reconstruction" with co-author Mauricio Sacchi. The winner of the award for Best Student Poster Presentation was Josgre Salazar of the University of Calgary for her poster "Geometry and Kinematic Interpretation of a Triangle Zone in the Central Alberta Foothills" with co-authors Deborah Spratt and Don Lawton.

Mostafa Naghizadeh and Josgre Salazar were presented their 2009 Andrew D. Baillie Awards, along with a cheque from the CSPG for \$1000 at the June 18, 2009 Technical Luncheon.

### **Kids in Science Program**

The Kids in Science Program (KISP) was completely subscribed to maximum capacity for 2009 with a total of 260 junior high school students participating from both the Calgary Public School and Calgary separate school boards. The geoscience presentations were conducted by professional scientists as a "I am a Scientist" from within the Calgary geoscience community. The scientists that presented included a geologist, palaeontologist, and geophysicist. Each scientist brought in sample materials or

equipment into the classroom for the students to examine and ask questions. While this was an introduction as to what each scientist was and did, it was also an introduction to what the students would see during their visit and tour to various booths in the exhibit hall during the CSPG CSEG CWLS Convention. During their visit to the various booths students were exposed to various companies within the oil and gas industry, and support services that ultimately will hopefully hire these students, what educational requirements are needed, what geographic area they might work in, what equipment is used, and of course what wages they pay their employees. The exhibit booth attendant is provided with a set of questions for the students to answer.

The KISP exhibit hall tour takes approximately two hours and takes place prior to lunch. After the bagged lunch break the students participate in a rousing game of Geo-pardy and the questions presented to the students are directly linked to both the pre-visit classroom presentation and the exhibit hall tour.

The kids love it, the teachers love it and approximately 70 Science Exhibit Guides (SEGs) geoscience volunteers sign up to walk and tour the students through the exhibit hall as a "I am a Scientist".

## **COMMUNICATIONS REPORT**

(Peggy Hodgkins, Communications Director)

### **Index of Publications Committee**

Chair: P. W. Hay

Committee members: M. Innes, B. Dargie, R. Shedd, D. McBeath and H. Girnary

The Publications Index to all CSPG publications is now completely up-to-date, and contains references to all papers sorted by keyword (or subject), author and NTS (National Topographic System) area. System access is free to all, and the Index now has references to over 5,000 papers published in the *Bulletin of Canadian Petroleum Geology, Reservoir, Memoirs* and guidebooks since 1931. Also included are papers published by the Saskatchewan Geological Society, the Edmonton Geological Society and Paleontographica Canadiana. The addition of three new members to the Index Committee has been welcome. Technical Luncheon talks since 2003 have lately been added.

### **Reservoir Committee**

Chair: Ben McKenzie

In the period between September 2008 and August 2009, the Reservoir Committee published 11 copies of the *Reservoir*. The average page count for each issue was 52 pages; this fiscal year offered two issues at 64 pages, two issues at 56 pages, and the remaining issues at 48 pages. This year included the popular Reservoir Engineering for Geologists series by Fekete, the Sequence Stratigraphy Series by Ashton Embry, and the Climate Change Series by Neil Hutton.

### **Bulletin Committee**

Chair until May 2009: Glen Stockmal

Chairs after May 2009: Denis Lavoie and Robert MacNaughton

In the period between September 2008 and August 2009, the Bulletin Committee published three issues of the *Bulletin of Canadian Petroleum Geology*: volume 56 number 3 and 4, and volume 57 number 1. The *Bulletin* moved to an electronic format so that starting with volume 57 number 1, members could access the electronic version through the Members Only section of CSPG's website. Some of the articles included in these issues are Dave Keighley's "A lacustrine shoreface succession in the Albert Formation, Moncton Basin, New Brunswick," Yongtai Yang and Andrew Miall's "Marine transgressions in the mid-Cretaceous of the Cordilleran foreland basin re-interpreted as orogenic unloading deposits," and Y. Greg Hu and A. Guy Plint's "An allostratigraphic correlation of a mudstone-dominated, syn-tectonic wedge: the Puskawaskau Formation (Santonian-Campanian) in outcrop and subsurface, Western Canada Foreland Basin."

### **Geological Calendar Committee**

Chair: Dave Hills

In the period between September 2008 and August 2009, the Geological Calendar Committee released the 2009 Geological Calendar (in November 2008), which includes Glen Stockmal's photo of Lake O'Hara, British Columbia (winner of Best Canadian Photo) and Rhea Karvonen's photo of Erg Chebbi Dune Field (winner of Best Photo). The Calendar Committee also began its work on the 2010 Geological Calendar, which includes Peggy Hodgkins photo of Yoho National Park (winner of Best Photo) and Jay Guilmette's photo of Mount Yamnuska (winner of Best Canadian Photo).

### **Electronic Communications**

Chair: Astrid Arts

In the period between September 2008 and August 2009, Electronic Communications continued to inform CSPG members of upcoming Society events and issues through the monthly eNewsletter (there was only one summer issue) and the CSPG website. During this time the current issue of the *Bulletin* was made available to CSPG members in the Members Only section of the website. As the Electronic Communications portion includes the Technical Luncheon webcasts, we would like to thank geoLOGIC systems ltd. for sponsoring the Technical Luncheon webcasts.

### **Digital Atlas**

Chair: Ben McKenzie

Three main activities were pursued during 2009. The first two consisted of identifying and contacting data sources, while concurrently holding discussions with service companies to determine feasibility and cost of setting up a web-based digital atlas. We

found that there is a tremendous amount of digital data available and broad support for our project. Advances in technology make it increasingly feasible. However, due to the magnitude of this project, the main obstacle remains funding to initially create the Atlas - ongoing operating costs will be significantly lower. A 'proof of concept' example webmap has been initiated to demonstrate the project's potential.

### **North American Commission on Stratigraphic Nomenclature**

Chairs: Brian R. Pratt and Octavian Catuneanu

The North American Commission on Stratigraphic Nomenclature acts as the guardian of the North American Stratigraphic Code, and commissioners represent various geological societies and federal, provincial and state geological surveys, in the USA, Canada and Mexico.

The 64<sup>th</sup> annual meeting was convened in mid-October 2009 during the Geological Society of America annual meeting, held in Portland, Oregon. Entered into the record was a special issue of the journal *Stratigraphy* (v. 6, no. 2, 2009) which is devoted to NACSN and its good works. Two main items of business this year were the preparation of the Spanish translation of the Code and a resolution to the Geological Society of America Publications Committee to return to their practice of following the Code in maintaining the distinction between points in geological time and intervals of geological time with separate abbreviations for 'year' (e.g. Ma versus M.yr., respectively). This resolution was accepted and a motion based on it duly passed by Council of the Geological Society of America. Also being considered for possible inclusion in the Code are formally named hydrostratigraphic units.

CSPG members who have thoughts on this idea should send them to either Brian or Octavian. NACSN is closely linked to the International Subcommission on Stratigraphic Classification, which is in turn part of the International Commission on Stratigraphy and the International Union of Geological Sciences. Both Brian and Octavian are active in ISSC, with Brian being the current chair. NACSN and other national bodies are awaiting recommendations from ISSC about the nomenclature of sequence stratigraphy and at present an international consensus is being marshalled principally by Octavian. Eventually an updated International Stratigraphic Guide will be published, and it is hoped national codes will be harmonized with it.

The NACSN website is hosted by the American Geological Institute: [www.agiweb.org/nacsn](http://www.agiweb.org/nacsn). The latest (2005) edition of the North American Stratigraphic Code (*AAPG Bulletin*, v. 89, p. 1547–1591) can be downloaded from there for free (via the U.S. Geological Survey). *Stratigraphy*, v. 6, no. 2, 2009 can be obtained from Micropaleontology Press: [micropress.org/stratigraphy](http://micropress.org/stratigraphy).