

Report of Activities for the 2011/2012 Fiscal Year

President's Report

Robin Mann, 2012 President

It is always amazing how quickly a year goes by, something which has certainly been the case for me as President of the CSPG. You start the year with a number of great intentions and plan to get so much done but by the end you wonder where the time has gone and if you actually accomplish anything. The good thing about the CSPG is the strength of Society itself. With so many hardworking and dedicated volunteers almost all of what we offer our members does get done extremely well by all of the Committees.

The Executive's role is to basically make certain that the Committees have a good environment to work within and are neither hampered nor impaired in offering the programs and services that the members require. The Executive also needs to set strategy for the Society, some of which is fairly basic governance, as well as formulate and provide longer term strategic direction. This helps to ensure that the Society is set for success in the future.

Looking back on the past year, there have been a number of things that were accomplished and we should be proud as a Society of all the work that has been done. We will have a modernized set of bylaws going forward which will have been voted on by you as members. Even though these are not at the top of everyone's mind or in high profile, they are extremely important to allow the Society to operate properly, to grow and to be set up for future success. I would like to thank Kirk Osadetz and Lis Bjeld for all of their efforts in getting these rewritten and put them in the proper form that will set the Society up for the future.

Another, more obvious, accomplishment over the past year has been the completion of our office at 333 -5th Avenue. We moved into the office in September 2011. However, all good things take time to complete and it has taken almost a year for the staff to put all of the finishing touches to the space so we can now say that the office is totally done (an office space is actually never finished completely but we are basically there). The crown jewel is the lighting fixture that has been mounted up along the front wall of the office (which is observable from the street) highlighting our new tag line "Canada's Energy Geoscientists".

This past year also saw another excellent GeoConvention with great attendance, stellar talks and world class companies exhibiting. Each year the convention improves over the last in certain ways and this year was no exception. I would like to thank all those that volunteered for convention on a job well done and we look forward to next year's GeoConvention: Integration on May 6-10.

Over this past year the Executive has been pushing uniformity in the communication coming from the CSPG office, its executive, and the committees. Communication is different from marketing and sponsorship, but they are all tied together. We as a Society spent a significant amount of time marketing who we are and going after sponsors for various events. To do this properly we need to communicate effectively and be consistent on how we look and are seen by our members, sponsors and suppliers.

Over the past couple of years, the CSPG has put in significant effort to create a recognizable brand that distinguishes the CSPG as a world class scientific organization. It is very important that for all of our communications, the office, the Executive and the committees stay consistent, such that our members and everyone else who we touch see a consistent message and look from the CSPG. Corporations



**BULLETIN OF CANADIAN
PETROLEUM GEOLOGY**

Volume 60, Number 4

December 2012

Pages I-XXXvi

spend millions of dollars to get a recognizable look and feel for their collateral and we need to stay on course for all CSPG events and communications, to do the same.

Finally I would like to thank all those who volunteer for the CSPG for all of your hard work, dedication and commitment. Without our volunteers we would not be at the level we are and would not be able to offer most of the programs we do. The tireless hours that go into getting everything done, the personal time that is given by the volunteers is truly amazing. To be part of such an organization is a privilege and to have been President of this organization for the past year has been an honor. Did I actually get anything accomplished this past year? Well, the Society is still standing, is financially sound, is striving to have consistent branding and continues to have a tremendous volunteer base; so I guess the answer is “I think so”.

Finance Report

Andrea Hood, *Finance Director*;

Samantha Etherington, *Assistant Finance Director*;

Lis Bjeld, *Executive Director*

The fortunes of our society are inevitably linked to the well-being of our industry. The year 2012 was a challenging and turbulent year for the industry which sustains the CSPG. While oil producers did relatively well and the health of this component of the industry was reflected in soaring demand for office space in downtown Calgary, their fortunes were tempered by the inability to receive world price for their product due to the oil glut in the Mid-West. Our gas producers experienced a particularly difficult year as prices stubbornly remained below economic levels and the rising cost of new technology has made it more difficult for smaller companies to raise enough capital to spread the risk of additional wells. In consequence, during the CSPG 2012 fiscal year just over 19,000 wells were licensed in WCAN compared to over 20,000 wells during the previous year.

Mirroring our industry, the CSPG saw a decrease in Revenue from \$2,916,903 in 2011 to \$2,732,948 (6%) and total costs were 3% less than in 2011. This combination of factors produced a net profit of \$307,512 at the end of our fiscal year 2012 compared to \$434,921 in 2011, a drop of 29%.

These results are still very positive and will allow us to provide even more services to our Members as well as supporting new initiatives. Additional office staff will be required to support these initiatives effectively, in an effort to continue to grow the society’s overall presence.

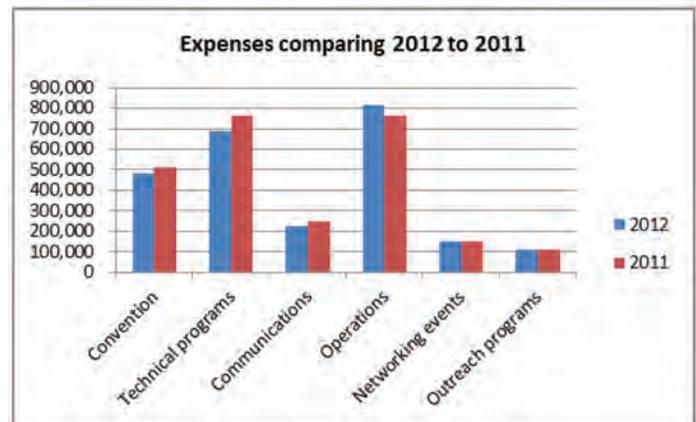
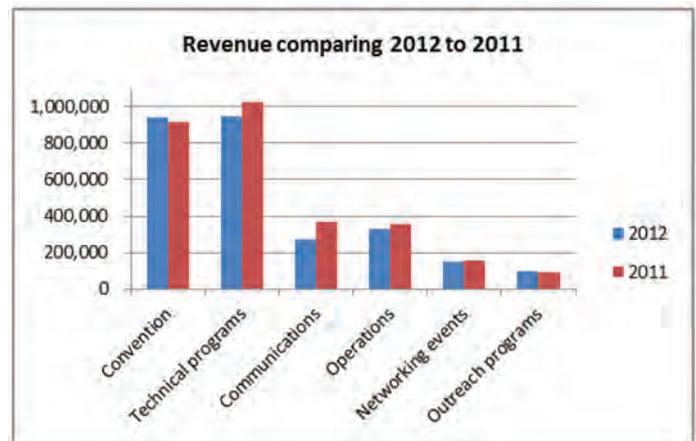
The CSPG technical programs net revenue in our fiscal year 2012 was \$257,076 compared to \$261,914 in 2011. One of the primary reasons for maintaining this number so close to 2011’s numbers was the successful Gussow conference in Banff. This conference alone resulted in a net profit of over \$100,000 and was attended by over 110 delegates. We had 22 speakers and a very strong technical program. There was no Gussow conference during the prior fiscal period, but the CSPG was responsible for the Core Conference as part of the AAPG ICE 2010.

Our technical luncheons are continuing to see good attendance. Due to an increase in costs by the Convention Centre and additional advertising costs we saw a 16% drop

in net profits for the luncheon series in 2012 over 2011. The CSPG feels strongly about not passing this cost on to our members and have kept the lunch ticket fees unchanged during this past fiscal period.

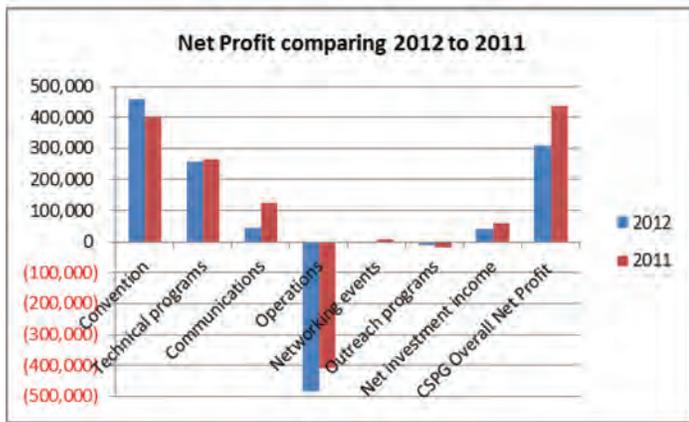
This year’s CSPG’s Joint Annual Convention ‘VISION’ was operated by the CSEG on behalf of the CSPG and the CWLS. The CSPG’s profit share from ‘VISION’ was \$457,488, an increase of 13% from the previous year’s total of \$403,706. The increase is attributed to an increase in delegate fees, and additional revenue from sales of exhibit floor space which compensated for the reduced attendance. In addition cost reductions in many areas, primarily on food and beverage, helped improve the bottom line. ‘VISION’ did see a 10% decrease in ‘full’ delegates that registered and attended the convention: in 2012 the full delegate number was 2,009 compared to 2,225 in the previous year. This was likely due to some of the turbulences we saw throughout the year. We are very encouraged to see that the Student Delegate attendance increased from 155 to 280 in 2012 (80%).

Please see below graphs for Revenues and Expenses in more detail:



The reason for the increase in Expenses for Operations from 2011 to 2012 is primarily due to the office move to our new location and related expenses. We also invested into transitioning our previous Website on to a new, more user friendly technology platform which now allows us to upload daily news content to provide member with up-to date information.

The below graph provides more detail on our Net Profit:



We did see a change in membership compared to the prior year. Our regular membership decreased by 6% from 2,649 in 2011 to 2,490 in 2012 although we did see a noticeable increase in our associated members of 9% over from 372 in 2011 to 406 in 2012. The Emeritus and Honorary members were almost unchanged which resulted in a total current member count of 3,065. In addition we now have over 300 Student Members which has been increasing year after year.

As in previous years we held the Annual Squash tournament, the Classic and Mixed Golf Tournaments, the Road Race, Young Professional events, The Long Time Members Reception, Awards Gala as well as the Past Presidents Dinner. All events were well attended and always give members the opportunity to connect and have fun.

In closing I would like to thank our sponsors for their support and continuing sponsorships in 2012, we hope that you will support the CSPG for many years to come.

I would like to also thank the office staff and Lis Bjeld, Executive Director, for all their hard work through 2012. Only with all their help is it possible for us to achieve our goals for the years to come.

Thank you!

Program Report

Jon Noad, *Programs Director*;

Dave Russum, *Assistant Finance Director*

Gussow Geoscience Conference

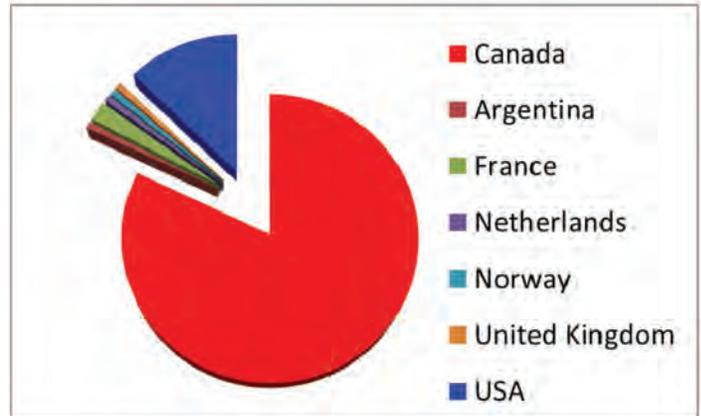
Committee members: David Garner, Clayton Deutsch, Ned Etris, Emmmanuel Gringarten, Weishan Ren, Renjun Wen, Jeffrey Yarus

Closing the Gap on the Gussow 2011

By David Garner, *Statoil Canada Ltd, and Gussow Chair*

The Gussow Geoscience Conference held October 3rd to 5th in Banff attracted 134 participants. The theme, *Advances in Applied Geomodeling for Hydrocarbon Reservoirs - Closing the Gap*, drew a strong and diverse gathering to the Banff Centre. Of the attendees, 110 were from Canada and 24 were from other countries as shown in the adjacent graph.

There were 28 speakers and 11 posters. Half of the oral presenters were from outside of Canada traveling from all of the countries listed.



Geomodeling is an internationally applied technical discipline with a solid base of practice in Canada. In the last decade alone, there has been a tremendous growth in the number of people practicing geomodeling. This Gussow was convened to gather practitioners, software vendors and geostatisticians to present and discuss materials to help focus the participants on the path to ensure the future success of the geomodeling community. This was the first international meeting to focus specifically on the entire subsurface aspects of geomodeling as the central theme.

The meeting's format was experimental by mixing designated vendor talks as part of the oral technical sessions. By doing so, the vendor presentation's content and style departed from the convention floor pitch, thus delivering many informative workflow applications, case studies and insights into views on the future directions of the industry. Another addition to the meeting was to have booth areas for vendors and sponsors. A key fact of planning the meeting for vendors was that the booths were staffed by senior technical people from the various participant companies, thus facilitating healthy workflow discussions.

The meeting schedule included breaks to allow ample time for participants to visit posters, booths, or have networking face time. A highlight of the schedule was the two discussion periods at the ends of days 2 and 3. Each of the preceding day's presentations was touched upon to ensure everyone got their questions out in the open. As was expected, lively discussion was generated.

As a follow up to the meeting, a call for papers was sent out to speakers for papers for a special edition of the Bulletin of Canadian Petroleum Geology.

Richard Drumheller of Anadarko Petroleum Corp., Houston, wrote:

"Thanks very much for convening this conference and for allowing me to participate!

I enjoyed every minute I was there and have been recharged with regard to projects where I can use Earth Modeling technology! It's great to be able to visit with developers and other practitioners – I do not do that often enough, but I always learn useful things at venues such as these. The trick for me now

is to incorporate some of that knowledge into my workflows here and to perhaps show off some results in future meetings."

Did we address the gap? The future is being shaped. The geomodeling ecosystem is one in which we cultivate the free flow of concepts, products, data interpretations, from each discipline and each software. There are currently pain points in our workflows. We need platforms for different scopes of modeling problems and the improved ability for collaboration. Training, mentoring, and training again are the message. Sophistication leads to the ability to adapt workflows. Modeling success is about communication across disciplines. For integrated teams, geomodeling competencies can lead to the ability to reframe the subsurface practices.

Technical Luncheons

Committee Chairs: Ryan Mohr, Riona Freeman

Committee Members: Ryan Martin, Michael Webb, Rory Dunphy, Norbert Alwast, Marc Enter

The AAPG Distinguished Lecture Series is an important component of the Technical Luncheons and the CSPG would like to acknowledge the high quality of speakers and topics that they continue to make available to us as well as their cooperation with logistics to get these speakers to Calgary.

The 2012 Technical Luncheons series showcased a variety of speakers over 17 lunches. Audiences (averaging 500 people) were treated to a variety of topics including new perspectives and ideas for successful exploration and development of resource plays in the Marcellus and Woodford shales as well as the Rocky Mountain Tight Gas play, a fascinating trip to China's "Jurassic Park", a look at source rocks in the Chukchi Sea in Alaska, transgressive sandstone reservoirs in the WCSB, and new insights into marginal marine systems from Drumheller. In September Dr. Nick Eyles, the leading scientist behind both of the CBC's Geological Journey series, gave an inspiring talk about the adventure and challenges of

making the TV series and the unique challenges of bringing geology to the living rooms of millions of Canadians. He did a fantastic job of reminding us all why we became geologists. 2011 concludes with talks on new applications of ichnology, a look at the Paskapoo Formation, and effective environmental management of the oil sands.

The committee would like to thank all of our 2011 speakers for a successful season that relied entirely on their generosity in sharing their ideas, research and valuable time with our membership and would like to thank geoLOGIC for their continued sponsorship of the webcasting program.

The 2013 schedule is nearly finalized with only a few remaining dates open. We are anticipating another strong year with a wide range of interesting topics aimed at enlightening and stimulating discussion and further investigation. These include climate change, the geology of shale gas, passive margin geology and salt tectonics of the French Alps, geomechanics, resource plays in the Highlands of Scotland, details on the recent dinosaur feather discovery in Alberta, geology of the Scotian Shelf, organic matter in space, and much, much more. Stay tuned to the CSPG website and Reservoir for speaker topics, abstracts, and biographies.

The CSPG technical luncheons have been described by many as the "flagship" of the CSPG. They are a frequent opportunity for geologists to gain exposure to a variety of topics and ideas. Equally important, they are an opportunity to network with colleagues and build camaraderie within the society. We very much want this to be an event that members enjoy and look forward to participating in. If you have any feedback such as potential speakers, topics you would like to hear, or comments on how we can improve the delivery of the program, please contact one of the committee members listed below, the CSPG Program Director (Jon Noad) or any of the other CSPG Executive. We continue to strive for excellence and we appreciate any feedback from our membership.

Thank you for your continued support. Let's do lunch!

Sincerely,

CSPG Technical Luncheon Committee

DATE	PRESENTER	TITLE
09/13/11	Professor Bruce Ainsworth (Australian School of Petroleum, University of Adelaide)	Drumheller revisited: Insights into reservoir architecture and compartmentalization prediction in marginal marine systems
09/26/11	Nick Eyles (University of Toronto)	Canadian Broadcasting Corporation's Geologic Journey – World: bringing geology to the nation's living room
10/18/11	Nick Harris (Director, Institute of Reservoir Characterization and Gungoll Chair Professor of petroleum geology and geophysics, University of Oklahoma)	Sequence Stratigraphy of a Black Shale: How to do it, and why it matters
10/27/11	Luis A. Buatois (Department of Geological Sciences, University of Saskatchewan)	Applications of Ichnology in Facies Analysis and Sequence Stratigraphy: The State of the Art, Trends, and Perspectives
11/08/11	John Suter (Professor of Geology, University of Toronto)	Geological Characterization of the Caprock Interval at Surmont
11/28/11	Laurence Andriashek (Laurence Andriashek, ERCB)	Geostatistical Rendering of the Architecture of Hydrostratigraphic Units within the Paskapoo Formation, Alberta
12/06/11	Andrew D. Miall (Professor of Geology, University of Toronto)	Environmental Management of the Alberta Oil Sands: New Federal and Provincial Initiatives
01/10/12	Joellen L. Russell (Department of Geosciences, University of Arizona)	The Once and Future Battles of Thor and the Midgard Serpent: The Antarctic Circumpolar Current and Glacial/Interglacial Climate

DATE	PRESENTER	TITLE
01/24/12	Ron Steel (Jackson School, University of Texas at Austin)	Shelf Edge Deltas: How useful are they in exploration?
02/06/12	Joe MacQuaker (Department of Earth Sciences, Memorial University of Newfoundland)	Are shales really that dull? Shining light into dark places and the effects of opening Pandora's Box
02/21/12	Randall S. Miller (Integrated Reservoir Solutions)	Is it the rock or the frac? Shale reservoir quality and production performance
03/06/12	Dr. Don Henderson (Curator of Dinosaurs, Royal Tyrrell Museum)	Adrift at sea in the Early Cretaceous – the Fort McMurray Armoured Dinosaur
03/20/12	Rodney Graham (Research Associate, University of Cambridge)	The French Alps - classic geology re-interpreted in the light of passive margin geology and allochthonous salt tectonics
04/10/12	Stephen E. Laubach (Bureau of Economic Geology)	Structural diagenesis, resource plays, the Highlands of Scotland, and curriculum development
04/24/12	Ryan C. McKellar (Department of Earth and Atmospheric Sciences, University of Alberta)	Feathers and protofeathers in Canadian Cretaceous amber
05/22/12	Dr. Jon E. Olson (The University of Texas at Austin)	An integrated approach to assessing natural fracture initiation, spatial arrangement, aperture preservation, and flow properties in sandstones versus shales
06/05/12	Mukhopadhyay (Muki), Prasanta K. (Global Geoenergy Research Ltd.)	Central conjugate margin petroleum systems of the Scotian Shelf and Slope, offshore Nova Scotia – evaluation of the future oil versus gas prospects and its significance to east Coast energy strategy beyond 2012

Continuing – Education

Chair: **Carrie Kukko**

Committee: Johanna Alvarez, Heather Archibald, Ali Beken, Edlyn Bruni, Clarke Campbell, Ryan Cook, Andrew Couch, Tina Donkers, Samantha Etherington, Thomas Jerome, Adam Leather, Amanda Mitander, Andrew Riben and Yi Zhao

Continuing Education brings to the members the Field Trips and Short Courses offered at the Annual Convention and Education Week, and throughout the year as non-associated education. This year 22 courses and 3 field trips were offered that were subscribed to by 333 members, representing 44 days of training, an impressive figure. The committee tirelessly strives to ensure that relevant, exciting, topical and high quality courses and field trips are being offered year on year. New instructors come forward on a regular basis to teach, and the CSPG is building on its reputation as a great organization for instructors to be associated with, which ultimately is good news for you, its members. The committee is continuing to encourage training be offered outside of convention and Education Week, particularly field trips, which are best run in the summer months while the weather is good. We also welcome your suggestions for future courses.

Technical Divisions

Heavy Oil/Oil Sands Division

Chair: Greg Hu, *Loring Tarcore Labs*

The Heavy Oil/Oil Sands division held one lunchtime talk in 2012. Thanks to Suncor for providing the venue for our talk. Sincere thanks to our speaker for volunteering his time and

effort. Thanks to all those who continue to support the Division by attending our presentations.

DATE	PRESENTER	TITLE
06/21/12	Nabil Al Adani (Suncor Energy)	In Situ McMurray Petrophysical Parameters Review

Bass Analysis and Sequence Stratigraphy Division

Chair: Mark Caplan and Steve Donaldson

Committee Members: Rob North and Gordon Stabb

Thanks are expressed to ConocoPhillips for permitting us to host our noon-hour talks at their Gulf Auditorium. Refreshments were provided by Loring Tarcore Labs, and all Division talks are sponsored by Cenovus Energy. We thank them for their support.

Over the period of September 1, 2011 to August 31, 2012, BASS hosted three excellent technical presentations. 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.

DATE	PRESENTER	TITLE
01/12/12	Renjun Wen (Geomodeling Technology Corp.)	Multi-Scale Geologic Modeling and Upscaling Workflow to Predict Permeability for Production Stimulation
02/22/12	Kent Barrett (Laricina Energy Ltd.)	The Grosmont Formation: From Potential to Production
04/02/12	Fran Hein (ERCB)	The Joslyn Creek SAGD: Geologic Considerations Related to a Surface Steam Release Incident, Athabasca Oil Sands Area, Northeastern Alberta, Canada

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 403-817-2603. Your support is greatly appreciated.

Paleontology

Chair: Phillip Benham

Co-Chair: Harold Whittaker

Paleontology Division Talks are jointly sponsored by the CSPG Paleontology Division, Alberta Palaeontological Society and the Mount Royal University Earth Sciences Department. The Paleontology Division held seven talks in the fiscal year, September 1, 2011 to August 31, 2012. Attendance varied from 20 to 60 people. Also held in conjunction with the Alberta Palaeontological Society (www.albertapaleo.org) and Mount

Royal University was a weekend long symposium in March 2012 where an additional seven lectures and two workshops 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. We want to thank MRU for their free provision of facilities and all the volunteers (including Jon Cox, Mike Clark, Wayne Braunberger, Mona Marsovsky, Vaclav Marsovsky, Dan Quinsey, Howard Allen, Harold Whittaker and Reg Spratley) who helped organize equipment, posters, displays, presentations, workshops, abstract submissions and advertising.

To join the Paleontology Division, volunteer, give a lecture or just stay informed of future meetings, events or talks, please contact committee chair, Philip Benham at (403) 691-3343 or email Philip.Benham@shell.com.

DATE	PRESENTER	TITLE
09/16/11	Dr. Pascal Godefroit (Department of Palaeontology, Royal Belgian Institute of Natural Sciences, Brussels, Belgium)	Latest Cretaceous Dinosaur Faunas from Russia and North-eastern China
10/21/11	Phillip Benham (Regional Discipline Advisor of Production Geology for Shell Canada Limited and Chair of the Paleontology Division for CSPG)	Living with Fire: Cultural Adaptations to Active Geological Processes in the South Pacific
11/18/11	Dan Quinsey (Alberta Palaeontological Society, Executive Member)	Moose Mountain, Alberta - Exploring the Natural History of Canyon Creek and Area
12/09/11		
01/20/12	Tetsuto Miyashita (Graduate Student, University of Alberta)	Origin and Early Evolution of Vertebrates
02/17/12	Dr. Kris Vasudevan (University of Calgary, Earth Sciences Department)	Earthquakes
03/13-14/12	<i>SYMPOSIUM 2012 LECTURES</i>	
	Darren Tanke and Rhian Russell (Royal Tyrrell Museum)	Headless Wonder - Ongoing Identification of a Head-hunted Hadrosaur Quarry in Dinosaur Provincial Park, Alberta
	Victoria Arbour (University of Alberta)	In Search of the Beautiful and Brainy: A Summer Studying Ankylosaurs in Korea, China and Mongolia
	Francois Therrien (Royal Tyrrell Museum)	When X-rays and Dinosaurs Collide: Use of X-ray Imaging in Vertebrate Paleontology
	Phil Bell (Pipestone Creek Dinosaur Initiative)	A Review of Hadrosaurid Skin Impressions from North America
	Jessica Theodore (Biological Sciences, University of Calgary)	Could Pachycephalosaurs Head Butt: Using Engineering Models to Compare Dinosaurs and Mammals
	Cory Gross (Alberta Palaeontological Society, Public Outreach Committee)	Please Do Not Touch the Dinosaurs: The future of Public Natural History Education in Calgary
	David Evans (Royal Ontario Museum)	The Fossil Record and Systematics of Dome-headed Dinosaurs (Pachycephalosauria) from Alberta
	<i>SYMPOSIUM 2012 WORKSHOPS</i>	
	Victoria Arbour (University of Alberta)	Ankylosaur Fan Club
	Brian Rankin (University of Calgary)	Microvertebrate Material from the Cypress Hills, Eocene of Saskatchewan
04/20/12	Dr. Don Henderson (Curator of Dinosaurs, Royal Tyrrell Museum)	Suncor Ankylosaur
05/25/12	Sarda Sahney (University of Bristol)	Competition, Opportunism and the Evolution of Vertebrates on Land

International Division

Co-Chairs: Trent Rehill and Robert Potter

The objectives of the CSPG International Division are to provide the International Community of Calgary with a venue for technical presentations, member networking and social interaction! The 2011/2012 International Division year was filled with a full program of exciting talks and lots of social interaction for the International community. The “Main Event” ranged from Albania to Kurdistan to Peru while “Rock Shots” touched such interesting topics as the Blue Hole in the Tuk to Ethiopian Eruptions to oceanic crust of the Mid-Atlantic Rift. The variety, quality, consistency and popularity of the monthly talks are directly the result of the commitment and participation of the International community and its sponsors.

Our 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 that ranges from 100 to 125. Our attendee demographic range has also widened, spanning university students to “45 year” International GandGandE Veterans and we are searching for other ways to grow and revitalize the Canadian International Community in Calgary.

We would like to start by thanking all our speakers for their excellent talks in 2011/2012 because, without them, there would be no International Division. A total of 18 people made presentations that contributed to the success of the Division.

Many talks were prepared through the initiative of the speaker and took personal time and effort. For other talks, we need to thank the International companies that gave their permission and supported their people in the preparation and presentations.

Next are the generous sponsors! The Division has a total of 7 sponsors who, through their support and generosity, make the facilities and activities possible. For the noon talks, we have Nexen Inc. and staff who provided the meeting facilities, *Geochemtech Inc.* and *IHS* for providing refreshments, and Quad Operations and Drilling Information who provided gifts of appreciation for the speakers. Due to support from our speakers and sponsors, over the last twelve months we have hosted 10 technical noon talks with an average attendance of over one hundred.

The extremely popular social events (the annual “Xmas Socializer” and the “Season Ender”) were again successfully held and well attended at Buzzards. We would like to extend our special thanks to Sensor Geophysical, Schlumberger and Buzzards for their continued support of the International Division. These social events are an important part of the networking function to the International Division.

The International Division now maintains both an email mailing list for noon talk reminders and a LinkedIn.com to post upcoming talks, discussions and networking forums. You can contact us via cspginternational@yahoo.ca for more information.

DATE	ROCK SHOT SPEAKER	ROCK SHOT TITLE	MAIN TALK SPEAKER	MAIN TALK TITLE
09/14/11	Graham Banks (WesternZagros Resources)	Fieldwork and drilling at the Mid-Atlantic Ridge: Revising oceanic crust axioms	C.D. (Sam) Johnston (Johnston Seismic Consulting Ltd./EXGEO-CGGVeritas)	Venezuela: a country evaluation – structural development, hydrocarbon habitat, and production challenges
10/12/11	Jurgen Kraus (Franconia Geoscience Ltd.)	Beer Geology of Franconia (Northern Bavaria): 900 years of flow	Jon Noad (Murphy Oil Co. Ltd, Canada)	Goldilocks and the Supergiants: Oil Exploration in Iran
11/09/11	Dr. John Harper (EBA Consulting Engineers and Scientists)	A Devonian “Blue Hole” in the Tuk	Jeff Tooth (KNOC)	The Mogollon Formation of the Talara basin in Northern Peru; a potential resource play in an established basin
12/07/11	N/A	N/A	Heiner Klein (Niko Resources Ltd.)	Portugal Rocks – Costa Vicentina and Algarve Basin
01/11/12			Dr. George Pinckney (WesternZagros Resources Ltd.)	Managing Exploration Risk in the Kurdistan Region of Iraq
02/15/12	Jürgen Krause	The Tectonic Assembly of (Central) Europe	Amy Fox (Baker Hughes, Inc)	Predicting Pore Pressure in the North Sea, Evaluating Hydraulic Fracturing Risk and other Current Topics in European Geomechanics
03/14/12	Wilf Talbot (Owl River Resources)	Ellesmere Island – Forty Years Ago	Andy Newson (Moose Oils Ltd.)	Field Mapping in Kurdistan and its Impact on the Timing of Deformation
04/11/12	Bob Potter (Geochemtech Inc.)	Status Update – Sudan	Peter Meehan (Geoscience Advisor)	Albania – Opportunities in a Complex Mediterranean Setting
05/09/12	Les Corper (RPS Energy)	Ethiopian Eruptions	Mark Cooper (Sherwood Geoconsulting Inc.) and Marian Warren (Jenner Geoconsulting Inc.)	Exploration Potential of the Albania Thrust Belt
06/13/12			Graham Banks (WesternZagros Resources Ltd.) and Ke Lovan (WesternZagros Resources Ltd.)	Conducting Fieldwork in Iraq: Challenges and Rewards

GeoModeling Division

Co-Chairs: Weishen Ren and David Garner

Committee Members: Olena Babak, Peter Boyle, Ned Etris, Anthony Wain, Damien Thenin, Khaled Benzaoui, Kevin Keogh, Amir Hosseini, Stefan Zanon, Paula Jennings, Sasan Ghanbari

We helped to hold a successful Geomodeling Session in GeoConvention, May 2011, and helped to organize a successful Gussow Geoscience Conference 2011: “*Closing the Gap: Advances in Applied Geomodeling for Hydrocarbon Reservoirs*” in Banff from October 3–5, 2011.

DATE	SPEAKER	TITLE
09/27/11	Damien Thenin	Integrating a 3D seismic into an earth model: case study from the Mannville Group in the Western Canadian Sedimentary Basin
11/16/11	Oluwaseyi Fatoke	Determining the truth from circumstantial evidence: techniques for incorporating and preserving more geological information and data in reservoir models
03/09/12	Mathieu Bourges	Determining the truth from circumstantial evidence: techniques for incorporating and preserving more geological information and data in reservoir models
05/09/12	Dr. Clayton V. Deutsch	Recent Advances in Best Practice of Geostatistical Reservoir Modeling
06/17/12	Mehran M. Hassanpour	Geostatistical Models of Inclined Heterolithic Strata for the McMurray Formation

Structural Division

Chair: Darcie Greggs

Committee Members: Jean-Yves Chatellier, Patrick Fothergill, Tim Hartel, Diana Ramirez

Thanks are expressed to Husky Energy Ltd. for providing the venue for our noon-hour talks, and to HEF Petrophysical for the refreshments. Over the last twelve months we have hosted four presentations with an average attendance of about forty to fifty people. In September, we ran a structural geology field trip for 20 people to Ptarmigan Cirque.

DATE	SPEAKER	TITLE
10/06/11	Mark Cooper (Sherwood Geoconsulting Inc.) and Marian J. Warren (Jenner GeoConsulting)	Implications of Inversion Tectonics for Hydrocarbon Exploration
11/03/11	Normand Begin (Kurdistan Exploration) and Jeffery Packard (Exploration Technology-GEST)	Development of a Pliocene-Age Triangle Zone in the Zagros Orogen High-Fold Belt of SE Kurdistan: Role of Mechanical Stratigraphy and Analog to the Alberta Rockies Foothills
12/01/11	R.W. Vestrum, V. Dolgov, J.M. Gittins (Thrust Belt Imaging) and G. Wittmann (MOL Hungarian Oil and Gas)	3D Seismic Imaging Over Two Structurally Complex Surveys in TAL, Pakistan
01/05/12	Andrew C. Newson (P.Geol., Senior Technical Consultant, Moose Oils Ltd.)	A Balanced Cross Section across the Southern Kirkuk Embayment, Zagros Fold and Thrust Belt, Kurdistan
02/02/12	Rory Dunphy (Nexen Inc.)	Fractures, Elastic Moduli and Stress
04/05/12	Melissa Newton (Conoco-Phillips)	The effects of lateral lithology changes on the development of fold geometry and fracture patterns for an area near Grande Cache in West-Central Alberta
05/03/12	Rob Taerum (Geoscience Department, University of Calgary)	Structural styles of the Central Alberta Foothills and adjacent Plains: insights from a regional study

Services Report

Michelle Hawke, *Services Director*;

Mike Seifert, *Assistant Services Director*

Membership

At the end of fiscal year 2011-2012, CSPG had the following number of members in six different categories:

Student memberships increased from the previous year as free e-student memberships became increasingly recognized around the world.

Membership Type	Number of Memberships
Regular	2649
Associate	372
Emeritus	129
Honorary	44
Student	1375
Corporate	33

AWARDS

The 2012 CSPG Awards Ceremony took place Tuesday, May 15th, 2012 at the TELUS Convention Centre during geoConvention: Vision 2012. The event was hosted by President Robin Mann and presentations of all the 2011 awards (including Service and Volunteer awards) were made. Following tradition, the Honorary Membership Awards were presented at the Annual Long Time Members Reception the following evening.

Technical Awards

AWARD	COMMITTEE CHAIR	COMMITTEE MEMBERS	AWARD RECIPIENT
Stanley Slipper Gold Medal for Outstanding Career Contributions to Oil and Gas Exploration in Canada	Clinton Tippett	Peter Harrington, John Hogg	Edward Everett (Ned) Gilbert
R.J.W. Douglas Medal for Outstanding Contributions to the Understanding of Sedimentary Geology in Canada	Margot McMechan	Peter Aukes, Dave Drover, Brian Pratt, Bob Thompson	Dr. Darrel Long
Honorary Membership for Distinguished Service to the Society	Don Keith	Ashton Embry	Dr. Gerry Reinson and Dr. Roger G. Walker
Link Award for Best Presentation – Technical Luncheon Series	Lloyd Freeman	Andreas Bayer, Gary Bugden, Riona Freeman, Michele Innes, Ryan Martin, Steve Minions, Claude Ribordy, Chris Seibel	Dr. Stephen Grasby for his September 23, 2010 Technical Luncheon presentation "A Late Permian Hot Anoxic Acid Bath"
Medal of Merit for Best Paper Related to Canadian Petroleum Geology	Ian Kirkland	Kyle Durocher, Peter Kouremenos, Clint Tippett	Tim McCullagh and Bruce Hart for their paper entitled, "Stratigraphic controls on production from a basin-centered gas system: Lower Cretaceous Cadotte Member, Deep Basin, Alberta, Canada." AAPG Bulletin, March 2010, p 293-315.

Volunteer Awards

AWARD	AWARD RECIPIENT
President's Award for Outstanding Service by a CSPG Member	Paul MacKay
H.M. Hunter Award for Distinguished Service to the Society	Timothy Bird and Graeme Bloy
Tracks Awards for Members Who Have Set New Standards of Excellence	David Garner, Greg Lynch, Dennis Meloche, Trent Rehill and Bob Potter
Partnership Award for Non-CSPG Members or Non-Geologists Who Have Made Outstanding Contributions to CSPG	Rob McGrory

Service Awards for Members who have served the Society for Over Five Years

Linden Achen	Markus Ebner	Wim Jalink	Indy Raychaudhuri
Norbert Alwast	Ashton Embry	Carrie Kukko	Weishan Ren
George Ardies	Samantha Etherington	Glenn Karlen	Claude Ribordy
Peter Aukes	Ned Etris	Don Keith	Justine Sagan
Andreas Bayer	Richard Evoy	Ian Kirkland	Terry Sami
Philip Benham	Lloyd Freeman	Peter Kouremenos	Claus Sitzler
George Bowley	Riona Freeman	Dan Krentz	Heather Slavinski
Peter Boyle	Jean-Francois Gagnon	Mike LaBerge	Randy Smith
Chuck Buckley	Stephen Grasby	Shaun Lafleur	Tom Sneddon
David Caldwell	Darcie Greggs	Larry Lane	Gordon Stabb
Mark Caplan	Aaron Grimeau	Denis Lavoie	Lavern Stasiuk
Richard Chisholm	Ayaz Gulamhussein	Sid Leggett	Glen Stockmal
Nancy Chow	Tony Hamblin	Bruce McIntyre	Mike Swain
Andre Chow	Peter Harrington	Ben McKenzie	Martin Teitz
Penny Christensen	Peter Hay	Margot McMechan	Clint Tippett
Penny Colton	Doug Hayden	David Middleton	Tony Wain
Debbie Cook	Greg Hayden	Steve Minions	John Waldron
Andrew Cook	Adam Hedinger	Jessie Mitton	Michael Webb
Barrie Dargie	Dave Hills	Regan Palsgrove	Jay Williams
Tim de Freitas	Denise Hodder	Alice Payne	Dick Willot
Foon Der	Dawn Hodgins	Brenda Pearson	Hugh Wishart
Ian DeWolfe	John Hogg	John Peirce	Tammy Wolcott
Steve Donaldson	Norm Hopkins	Guy Plint	Keith Yaxley
Tina Donkers	Kristy Howe	Frank Pogubila	Colin Yeo
Dave Drover	Michele Innes	Brian Pratt	
Bob Earle	Dale Issler	Mark Radomski	

Volunteer Awards for Members who have Served the Society for up to Five Years

James Ablett	Clayton Deutsch	Kevin Keogh	Cindy Robinson
Heather Archibald	Noel Devere-Bennett	Nate Kreiger	Mike Rogers
Olena Babak	Keith Dewing	Adam Leather	Kristin Rohr
Jeff Barefoot	Eva Drivet	Alex MacNeil	Sandra Rosenthal
Kelly Batten Hender	Kyle Durocher	Ryan Martin	Jen Russel-Houston
Ali Beken	Colleen Flynn	Jane Marzetti	Armin Schafer
Laurie Bellman	Patrick Fothergill	Darin McBeath	Jacey Seebach
Berry Bennett	Jocelyn Frankow	Tannis McCartney	Angie Simpson
Khaled Benzaoui	Ranald Gault	Rick McCulloch	Meghan Speers
Tim Bergen	Sasan Ghanbari	Amanda Mitander	Stan Stancliffe
Kyla Bishop	Chad Glemser	Aliyyah Mohamed	Scott Thain
Edlyn Bruni	Tony Habib	Ryan Mohr	Damien Thenin
Gary Bugden	Anne Hargreaves	Rob North	Elizabeth Turner
Matt Burns	Tim Hartel	Jeff Packard	Cole Webster
Jean-Yves Chatellier	Tracy Hay	Per Kent Pedersen	Renjun Wen
Guoxiang Chi	Fran Hein	Amanda Perrot	Gerald Wendland
Christopher Collom	Dan Hermary	Kyla Poelzer	Marissa Whittaker
Ryan Cook	Amir Hosseini	Mark Rabin	Andrew Willis
Jonathan Cribb	Paula Jennings	Melanie Regehr	Nick Wilson
Leena Davis	Tracey Jungwirth	Andrew Riben	Stefan Zanon

History and Archives

Committee Chair: Clint 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 Museum 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.

Classic Golf

Committee Chair: Mike LaBerge

Committee Members: Andreas Georgousis, Bob Earle, David Grinde, Foon Der, Frank Pogubila, George Ardies, George Bowley, Gerald Wendland, James Ablett, Mike Swain, Randy Smith, Richard Chisholm, Scott Thain, Les MacMillan, Brenda Pearson

On June 21 and 22, 2012, the CSPG celebrated the 52nd Annual CSPG Classic Golf Tournament at the Elbow Springs Golf Club in Calgary under sunny skies and the new two-day match play format. This evolution compliments the time and demographic shifts within today's oil and gas industry as witnessed by the number of returning participants, as well as many new registrants attracted by the two-day schedule. The testimonials also reflect that we are on the right track: *"Great format; fits my work schedule perfectly."* *"Best two days of fun golfing and socializing ever!"* *"I couldn't have committed before, but now I'm hooked."* *"It's my first year and I'm ready to sign up for next year's tournament. Two thumbs up."*

The 52nd CSPG Annual Classic Golf Tournament included two rounds of golf with power carts, on-course sponsor tents with refreshments and food, Thursday dinner at the club courtesy of AGAT Laboratories, and Friday breakfast with MJ Systems prior to the morning shotgun. The Friday evening awards banquet and entertainment topped off the event at the Calgary Petroleum Club with presentations of trophies and prize money to the flight winners and runners-up. This year's tournament featured two vacation trips to New York City and Palm Springs, a BBQ, and daily hole and skill prizes. Agapé Hospice, our returning charity partner, benefited from raffle ticket sale proceeds held during the tournament. The support of all participants is greatly appreciated.

Congratulations to the 2012 CSPG Classic Golf Tournament Paskapoo Flight champion John Skinner with runner-up Kevin Muir. Winners of the remaining 15 Flights are Jeff Kriz, John Williams, Richard Chisholm, Carl Glaser, Bob Lee, Ken Chobotuk, Paul Hutchin, Matt Blanch, Foon Der, Colby Ruff, Larry Love, Dave Shklanka, Nolan Gustafson, Robert Mitchell, and George Ardies. The Chuck Wagon champion team consisted of Rich Sereda, Bill Saunders, Brad Torry, and Mike Murphy. On behalf of all its participants, the CSPG 2012 Classic Tournament Committee sincerely thanks the 52 sponsors who contributed to a successful event this year, particularly our Diamond sponsors: geoLOGIC Systems Ltd, Little Rock Document Services, and Schlumberger of Canada.

Mixed Golf

Committee Chair: David Middleton; *Co-Chair:* Brenda Pearson

Committee Members: Darin Brazel, Armin Schafer, Norm Hopkins, Penny Christensen, and Jeff Boissonneault

What do you call three weeks of hot, dry summer weather followed by a day of rain, temperatures of 6 degrees Celsius and strong winds? You call it the 23rd Annual CSPG Mixed Golf tournament! The "mixed" in the tournament name has always referred to the mixing of all levels of golfer in the annual scramble tournament, and not the unusual weather patterns we experienced on Friday, August 24th at Lynx Ridge Golf course after what had been glorious golfing weather previously.

The CSPG members, sponsors and guests teed off at 8:00 am in the rain, and the 124 golfers finished the day in the sunshine

and warm temperatures. The Lynx Ridge course was in great shape, and although the tee shots suffered in distance from the water on the fairways, the best ball tournament concluded in a little over five hours.

The team low net trophy and tournament winners was captained by Tim Bergan, and consisted of Andy Marven, Murray Yewchuk and Jennifer Kingsbury with a net score of 58. The low gross score trophy was taken by the team of Daniel Gee, Patrick Biss, Derek Mawbey and Maren Blair with a score of 64, and the less coveted fossil coprolite trophy went to the most honest team of Roy Smith, Ken Titchkosky, Pamela Brown and Kurt Armbruster with a score of 79.

The 23rd annual tournament was sponsored by our Platinum level sponsor, IHS, as well as numerous other sponsors. All teams enjoyed a hot breakfast provided by Exova, warm up shots on the Rigsat Communications driving range; used golf carts sponsored by CL Consultants, and visited hospitality tents provided by IHS, Cougar Consultants/Roke Technologies, BrokerLink, Sensor Geophysical, Energy Navigator, AGAT Laboratories and MJ Systems. We had holes sponsored by Belloy Petroleum Consulting, RPS Energy, Sproule Associates, Core Laboratories, ProGeo Consultants, Birchcliff Energy, TOTAL Gas Detection and BDO Canada LLP. The on-course beverage cart was sponsored by geoLOGIC Systems, and a lot of coffee and Bailey's was consumed by wet and cold golfers. At the tournament finish, golfers participated in the Tucker Energy Services Putting contest, where the winner, Michael Clegg with two successful putts, took home a new 50" flatscreen TV.

The delicious banquet steak dinner was sponsored by GLJ Petroleum Consultants while golfers watched for their team scores and photos on the scoring system sponsored by Schlumberger. Dinner was followed with the awarding of team trophies for Low Net, Low Gross and High Gross and the announcement of draw prizes. A lucky Dick Willott took home a new IPAD from the Mulligan draw, while Armin Schafer was the beneficiary of the 50/50 draw. Skill prizes were awarded to golfers, and with the prize donations from Typhoon Energy, RBC Securities, McLeay Geological, Total Gas Detection, Exova, RPS Energy, Sigma Explorations and Genesis Executive, many of the golfers went home with a nice prize, along with the bragging rights of playing in the wettest CSPG golf tournament in recent memory (at least since a certain member accidentally drove a cart into a water hazard years ago).

In the end, the members, guests, sponsor players and representatives enjoyed a great day catching up with colleagues, making new friends, bragging about the missed puts and closest to the pin opportunities, and succeeded in raising almost \$5000 to support the educational and outreach activities of the CSPG.

Squash Tournament

Committee Chair: Jay Williams

Committee Members: Chad Pennell, Dan Wright, Naomi Storey, Darin McCollum, Mark Rabin, Shawn Lafleur, Jocelyn Frankow, Megan Simons, Laraine Kish, Randy Smith, David Caldwell

The 29th annual CSPG squash tournament was a great success with 125 attendees. 76 members, 12 non-members, 26 sponsors and students, 11 committee members.

Thank you to Roke Technologies, our main tournament sponsor. Sensor Geophysical stepped up as a platinum sponsor. Belloy Petroleum Consulting Ltd., Compass Directional, Cougar Consultants, Departure Energy Services, Divestco Inc., Earth Signal Processing, Pason Systems Inc., Pulse Data, Recon, RigSat Communications Inc., RPS Energy Canada Ltd., Sourcec, and TOTAL Gas Detection Ltd all sponsored the tournament at a gold level.

Our silver sponsors included AGAT Laboratories Ltd., CABRA Consulting, Core Laboratories Canada Ltd., DATALOG Technology, geoLOGIC systems ltd., GeoTir Inc., Maxam Seismic Explosives Inc., McDaniels and Associates, McLeay Geological, Nation Oilwell Varco, Weatherford Canada Partnership, and OYO Geo Space Canada Ltd. Finally a thanks to our bronze sponsors: Continental Laboratories (1985) Ltd., Arcis, Dril-X Fluids, Edge Technologies, EV Cam, and Pro Geo.

Huge thanks to our great committee for helping put this all together.

Road Race

Committee Chair: Mike Cardell

Committee Members: Kathy Waters, Jocelyn Frankow, Carol Laws, Kathy Taerum, Greg Hayden, Tim Burk, Armin Schafer

On a perfect fall afternoon Sept 14th 2011 the annual CSPG/CSEG roadrace and fun run took place along the Bow River Pathway.

The temperature was ideal for running, and a very enthusiastic group of 170 runners bolted from the start line. This year marked our 4th year for the 5K, and again we saw an increase in participants to 59 runners. This should be the last year that both 5 and 10 km racers have to maneuver through the construction detours for the long awaited Peace Bridge. I know our race volunteers, decked out in their bright orange safety vests, and aided the runners in negotiating the route. Once again, to assist, or perhaps confuse the runners, distances were marked uniquely in geologic time. Like every year it's great to see a mix of competitive and first time runners. Winning Time provided a new format for chip timing with the chip mounted on the runners' race bib. We returned to The Calgary Curling Club for the post-race awards party, where the mix of racers and volunteers enjoyed plenty of cold beverages and tasty pizza. The evening was topped off with door prizes, awards and of course our now famous sock-toss. Through great sponsorship and strong participation, we are once again able to contribute to the CSPG educational trust fund, and to the YMCA strong kids foundation!

I would like to thank all the volunteers and sponsors who helped make this event a success! We have acknowledged our sponsors on a separate page. Thank you also to all the runners. It was a pleasure cheering you in at the finish line.

Here's a summary of the CSPG, CSEG, and CAPL winners from 2011:

Top Male CSPG 10K Results

PLACE	TIME	RACE#	NAME	DIV/TOT	SEX/TOT	DIVISION	MEMBER
1	37:34:27	1	Francois Tremblay	1/4	1/20	M-U29	CSPG
2	42:59:89	101	Cole Webster	2/4	2/20	M-U29	CSPG
3	43:27:46	90	Claus Sitzler	1/4	3/20	M4049	CSPG
4	43:44:99	55	P. Scott Kerford	1/7	4/20	M50+	CSPG
5	44:45:04	33	Jim Gardener	1/5	5/20	M3039	CSPG

Top Female CSPG10K Results

PLACE	TIME	RACE#	NAME	DIV/TOT	SEX/TOT	DIVISION	MEMBER
1	47:11:16	72	Jane Marzetti	1/2	1/7	F-U29	CSPG
2	48:35:26	122	Justin Sagen	1/4	2/7	F3039	CSPG
3	49:27:41	7	Angela Baskerville	2/4	3/7	F3039	CSPG
4	49:56:33	66	Erin Linley	3/4	4/7	F3039	CSPG
5	51:15:34	84	Holly Rose	2/2	5/7	F-U29	CSPG

5K Overall Top Male

PLACE	TIME	RACE#	NAME	DIV/TOT	SEX/TOT	DIVISION	MEMBER
1	21:42:05	1558	Nathan Baker	1/5	1/23	M3039	CSEG
2	21:55:98	1517	Barrie Dargie	1/6	2/23	M50+	CSPG
3	24:04:96	1519	Jami Fox	2/5	3/23	M3039	None
4	24:54:71	9	John Bodnaruk	1/7	4/23	M4049	None
5	25:12:52	1564	Arim Schafer	2/7	5/23	M4049	CSEG

5K Overall Top Female

PLACE	TIME	RACE#	NAME	DIV/TOT	SEX/TOT	DIVISION	MEMBER
1	22:08:38	1532	Annie Hird	1/6	1/36	F3039	None
2	22:13:27	129	Cindy Koo	2/6	2/36	F3039	None
3	22:28:37	1559	Donna Dixon	1/6	3/36	F4049	None
4	24:05:98	1508	Courtney Bogstie	1/16	4/36	F-U29	None
5	25:09:24	1536	Jessa-Lyn Lacroix	2/16	5/36	F-U29	CSEG

Outreach Report

Simon Haynes, *Outreach Director*;

Dawn Hodgins, *Assistant Outreach Director*

Honorary Address

The 2012 edition of the annual Honorary Address entitled “From Evolution to Exploration: Our African Journey” played to nearly 1,100 junior high school students from both Calgary and Canmore school boards and 528 of the general public on November 26, 2012 at the Jubilee Auditorium. Exit interviews with teachers and students suggested this event is a highlight of the school year and provides a much appreciated look at what geoscientists and related disciplines do for a living.

The two topics this year were the fascination we all have with chasing the hydrocarbon elephant pools out of the sedimentary jungle around the world and the fossil record of our own species from the earliest known emergence of hominids in Africa to the present day.

“Exploring for Elephants” was the first presentation, delivered by Dr. Trent Rehill, VP Exploration for Kulczyk Oil Ventures of Calgary. He vividly described the fascination with exploration that motivates explorationists the world over. Trent began his career in Calgary, which then led him (like many CSPG members) around the world. His African career and adventures is the cross over point between the world of petroleum exploration and the topic of hominid origins (the topic of Dr. Ian Tattersall, Director Emeritus of Anthropology at the American Museum of Natural History in New York).

Dr. Tattersall explored the human hereditary tree from its roots over three million years ago (and possibly five million) through periods when many hominids occupied the world, to the present day when *Homo sapiens* rules this planet alone. The two talks are available on the CSPG website (under Events and Honorary Address) for those unfortunate enough to be unable to attend it live.

The organizing committee wishes to thank all those who helped out with planning and executing the event, the contributing societies and to the individuals and companies who sponsored it.

SIFT

Committee Chair: Debbie Cook

Committee Members: Allan Carswell, Andrew Cook, Catherine Skilliter, Dawn Hodgins, Debbie Cook, Geoff Speers, Heather Slavinski, Ian DeWolfe, Indy Raychaudhuri, Keith Yaxley, Kate McCutcheon, Matthew LeForte, Meghan Speers, Melanie Regehr, Nate Kreiger, Noel Devere-Bennett, Stacia Skappak, Taylor Olson, Richard Forrester and Simon Hayes.

The 2012 edition of the CSPG SIFT program, which ran from April 29th to May 11th, was a tremendous success. The SIFT program has phenomenal volunteer and industry support with 20 committee members involved in planning and organizing and 20 industry professionals providing lectures and field trips. In addition to an outstanding volunteer base, financial support from our industry sponsors allows the CSPG to continue

to offer this flagship program every year. Our major industry sponsors for 2012 were: ConocoPhillips Canada, Imperial Oil Limited, Shell Canada Limited, EnCana Corporation, Devon Energy, Cenovus Energy, Talisman Energy, Husky Energy and Nexen Incorporated. SIFT was also fortunate to receive in kind donations by Enerplus Corp, Crescent Point Energy, Golder Associates, University of Calgary Earth Science Department, SAIT, RigStar Communications and ERCB Core Research Centre. On behalf of the entire SIFT committee and the CSPG, I want to thank all the individuals and companies for their continued support of this incredible program.

The CSPG SIFT 2012 committee hosted 32 undergraduate students enrolled in geoscience programs from across Canada. These 32 budding geoscientists came to Calgary for a two week introduction to the Canadian petroleum industry through classroom lectures, core workshops, an exploration game, field trips and many opportunities to talk to professionals working in our industry. Throughout the two weeks, students attended lectures presented by industry experts with topics including well logging and log interpretation, carbonate and clastic reservoirs, geophysics, well site operations, heavy oil and more. To keep up with current activity in the industry, we also held an Environmental Talk, Unconventional Resources and Global Energy Outlook. In addition to the lectures, students were able to tour the demonstration rig at SAIT and did a Behind the Scenes tour of the Royal Tyrrell Museum in addition to the field trips, including the legendary 4-day trip through the Rockies. The Dinosaur Provincial Park trip was cancelled due to weather. A large component of the SIFT trip is having the students apply concepts learned on the trip to an intense, hands on exploration game. The game teaches students some of the realities of the oil and gas business. Teams of four form a company and are given a small land base and seed capital to start exploring and building their company. They use real well log data to make interpretations of the geology and identify “sweet spots” which they use to bid on 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 Bill Ayrton Technical Award,

Each year, the SIFT Committee complements the two week SIFT program with a Summer Job Program. The goal of this component of SIFT is to place newly trained SIFT graduates with oil and gas companies in Calgary so that they can continue the learning experience. This year, four students found summer positions. Each year, we continue to look for companies willing to hire our SIFT graduates. If your company is able to offer a position, please contact the CSPG office for more information.

I have had the great privileged of leading this program for this past year and have thoroughly loved this opportunity. The 2013 Chair position is yet to be filled, but will be soon decided as planning for the upcoming year begins in the fall. Many thanks all the SIFT committee members that have worked on the committee over the past 34 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.

2012 Student Participants (SIFT)

NAME	UNIVERSITY	NAME	UNIVERSITY
Omar Al-Mufti	University of Ottawa	Danielle Howlett	University of Waterloo
Dayne Anderson	University of McGill	Nicole Hunter	University of Saskatchewan
Morufu Basiru	Brandon University	Veronique Lafrance	Université du Québec à Chicoutimi
Mariana Calabrese	McMaster University	Freda LeBlanc	Mount Royal University
Laura Colgrove	University of Guelph	Jason Levesque	University of New Brunswick
Michael D'Angelo	Lakehead University	Jagabir Ningthoujam	Brock University
Zachary DiLoreto	University of Windsor	Karin Ostler	Laurentian University
Ryan Dorcas	Saint Mary's University	Alex Pernin	University of Toronto
Justin Drummond	Acadia University	Arianne Petley-Ragan	Carleton University
Lauren Eggie	University of Manitoba	Thierry Plamondon-Tremblay	Université Laval
Dennis Ellison	University Of Calgary	Steven Porter	Memorial University
Colin Etienne	University of Victoria	Eric Rops	Western University
Tara Forstner	Dalhousie University	Adam Staruiala	University of Regina
Keith Gillis	St. Francis Xavier University	Joëlle Thiboutot Goyette	Université du Québec à Montréal
Riley Gudgeon	Queen's University	Dawn Tobey	Dalhousie University
Torrey Hallan	University of Alberta	Ben Vautour	Simon Fraser University

Communications Report

Jim Barclay, *Communications Director*;

Curtis Evans, *Assistant Communications Director*

Reservoir

Committee Chair: Ben McKenzie

Committee Members: Colin Yeo, Anne Hargreaves,

Tracey Jungwirth, Michele Innes

The Reservoir Committee for 2012 consisted of Technical Editors Ben McKenzie and Colin Yeo, Coordinating Editor Emma MacPherson, and Committee members Anne Hargreaves, Michelle Innes, Tracey Jungwirth, Ryan Lemiski, and Jesse Schoengut. The Reservoir is in the Communications portfolio of Jim Barclay (Communications Director) and Curtis Evans (Assistant Communications Director).

The Reservoir is published 11 times per year and is self-funding, with advertising revenue offsetting production expenses. In 2011, the Reservoir averaged 44 pages per issue (ranging from 32 to 56 pages per issue). Copies are sent to each CSPG member, as well as to library and corporate subscribers. Archival issues are available through the CSPG website.

The Reservoir assists the Society by publicizing its many activities, promoting the geosciences, and providing technical information to its members. In addition to the Technical Luncheon and Division abstracts, the Reservoir also publishes reports on geological conventions throughout the year, member activities, and a variety of geology-related articles.

Bulletin of Canadian Petroleum Geology

Committee Chairs: David Morrow and Burns Cheadle

Committee Members: Denise Then

The *Bulletin of Canadian Petroleum Geology* (BCPG) currently is edited by two newly-appointed Editors-in-Chief, assisted

by twenty-four Associate Editors, and one additional Editor appointed specifically for the September, 2012 Special issue of the Bulletin. All of these people work entirely as volunteers. In addition, the CSPG pays for the services of a Managing Editor, Production Editor, and Layout Editor. CSPG office staff ensures that each completed issue is published on the Members Only section of the CSPG website, through GeoScience World and AAPG Datapages, and in a number of hard copies.

During 2012, a revised "Guidelines for Authors" for Bulletin authors was introduced following consultation with membership representatives. Book Reviews will no longer be solicited by, or published by, the Bulletin. Publication in the Bulletin will now include three distinct series. These include the full length *BCPG Articles* and *BCPG Reviews*, as well as shorter communications published as *BCPG Explorations*. Potential authors should consult the Bulletin "Guidelines for Authors" for more detailed information concerning the distinctions between these Bulletin series. Short "Discussion" and "Reply" exchanges concerning published Bulletin papers are encouraged as part of an essential scientific dialogue and will continue to be published.

The last four published quarterly issues of the *Bulletin of Canadian Petroleum Geology* included the September, 2012 Special Issue, Volume 60, number three (Petroleum Resource Assessment Methods and Case Studies), and Volume 60, numbers one and two and Volume 59, number four. Altogether, the *Bulletin* published 16 papers within this yearly cycle of quarterly issues (not including end-matter, award citations, etc.). The *Bulletin* has virtually no backlog of papers. The efforts of our previous Editors-in-Chief, Rob MacNaughton and Denis Lavoie, their supporting editors and the CSPG office staff have helped to return the Bulletin to almost on-schedule publication status. However, while encouraging, this is little cause for complacency as many recent Bulletin issues have been published with relatively few papers and fall short of the goal of

five papers per issue that has previously been promulgated as a Bulletin milestone.

During the reporting period, published papers in regular Bulletin issues covered sedimentary basin evolution and associated hydrocarbon resources from Western Canada. The September, 2012 Special issue of the Bulletin, including resource estimation methods from case studies around the world (Canada, China and Mexico), demonstrates the global reach of the Bulletin. The *Bulletin* remains the prime Canadian journal for hydrocarbon-related studies and larger scale sedimentary basin analyses.

Geological Calendar

Committee Chair: Markus Ebner

Committee Member: Hailey Doney, Erik Parker, Mark Taylor, Darin McBeath.

In this Issue you will find the shiny new 2013 CSPG Geological Calendar and this annual favorite should be sure to please a wide diversity of geological wonders. We have been consistently receiving high quality photographs from our members over the last number of years and this year has been no exception. Although initially we only had a trickle of photographs coming in, in the end we had 110 submissions – making the final selection of finalists difficult.

This year's calendar is a carryover from last year's 16 month format. We have decided to go back to a standard 12 month calendar and as such you will see that there are no January and February 2014 photographs, while January and February 2013 were selected last year.

Some highlights from this year's calendar include a spectacular shot of shrimp burrows of the genus *Thalassinoides* preserved in Miocene limestone beds by long time contributor Jon Noad, who also coincidentally took the \$200 for best photograph this year with his impressive shot of highly folded, interbedded sandstones and shales of the Crackington Formation near Bude, Cornwall. Annual contributors Rhea Karvonen and Peggy Hodgkins gave us the delights of White Sands National Monument, New Mexico and (keeping it close to home) Hector Lake, Banff National Park, Alberta, respectively. Never one to disappoint, Mike Lam, our calendar Best Photo winner the previous two years running, submitted a very artistic shot of Mt. Fuji, Honshu, Japan.

We have made an attempt to select a wide diversity of local and international geology as well as try to encompass many different rock types of phenomena. Unfortunately this year, the call for sub category of Best Bedform Photograph was not filled by a winner that made it through the selection process.

I would like to thank our partners in this project, Emma MacPherson, our Publications Coordinator and Donna Elkow-Nash, our calendar graphic designer. I hope that the 2013 CSPG Geological Calendar adds some extra geological 'flair' to your office space over the coming year.

Index of Publication

The CSPG Index Committee reviews all CSPG Publications to select keywords or subjects that are discussed in these publications. These keywords are then input to the On-Line

Index to CSPG Publications, which is available to all through the CSPG website.

This On-line Index contains references not only to all CSPG publications, but also to those of the predecessor Alberta Society of Petroleum Geologists, as well as the Saskatchewan Geologic Society, the Edmonton Geologic Society and Palaeontographica Canadiana. Approximately 5800 papers are included, including all Bulletin and Journal papers, Memoirs, guidebooks, Devonian Symposia and Williston Basin guidebooks, etc. – going back to 1931. In addition, all CSPG Luncheon talks since 1994, as shown in the monthly CSPG Reservoir, have recently been added.

Geologists wishing to research specific formations or areas or subjects, can easily do so by accessing the CSPG website — "cspg.org", followed by "*publications*" and then "*Index to Publications*".

References to individual CSPG papers can be retrieved by selecting Keywords – defined as subjects 32 discussed at some length — and which include geologic ages (e.g. Cretaceous, Lower), geologic formations (e.g. Cardium or Slave Point Fm), or areas (Calgary area, Grand Banks) or subjects, such as hydrodynamics or source rocks or climate change. To select keywords to be retrieved, simply type the keyword in the space following "Subject/Author" and then hit the "Search" button. Lists of all available keywords can also be retrieved. Authors and NTS (National Topographic System) areas are also retrievable.

geoConvention

Once again the CSEG, CSPG and CWLS came together to produce an excellent convention with GeoConvention 2012: Vision, and this year was another great success, with over 4,000 delegates enjoying some or the entire five day event.

With almost 250 oral presentations, over 100 posters, and 19 core displays up at the ERCB Core Research Centre, the 2012 technical program had something to interest all delegates. Highlights included the honorary sessions for Drs. Eric Mountjoy and Cindy Riediger, as well as the CSEG special session on Thursday, which featured invited speakers from around the world addressing issues of interest to today's geoscientist. Congratulations to the 2012 award winners - a full listing of winners may be found at www.geoconvention.com, and awards for best geological, core and integrated posters and papers will be distributed at the September 11 CSPG luncheon; please congratulate the winners in person if you are in attendance!

Dr. Michael Byers addressed delegates during Monday's luncheon with a keynote talk on sovereignty issues in the Arctic, which led to an interesting QandA period, and LGen Romeo Dallaire addressed a capacity crowd on Tuesday with a thought-provoking and inspiring talk that prompted delegates to give a standing ovation, and which was the topic of discussion for the rest of the week among many in attendance.

Registration was another key success of Vision 2012: as mentioned, over 4,000 delegates took part in this year's event, but this included over 3,000 paying delegates, as well as over 400 delegates who took advantage of the advance sale of complimentary exhibit floor passes. Student registration jumped over 80% over last year to a total of 373 delegates, with a further 78 student presenters in attendance. Returning events like the Challenge Bowl, as well as the new Student Travel Assistance

Program and Industry/Student Luncheon will ensure this is a continuing trend.

The Earth Science for Society exhibition returned to the TELUS Convention Centre in 2012 as well. Featuring interactive, hands-on exhibits that allows younger students to, among other things, explore for fossils and try gold-panning, this program attracted over 350 members of the general public as well as over 1,300 junior high students over its three-day run.

In addition to registration, the two other main revenue streams of the convention are exhibits and sponsorship. Thanks to the hard work of both these committees, budget numbers were exceeded in these areas. The exhibit floor was sold out this year, with a waiting list of companies eager to attend in the future.

Foot traffic was increased by bringing bars and food stations into greater prominence on the floor, and creating more of an event out of the evening receptions which took place Monday and Tuesday night. The Sponsorship Committee worked to develop new opportunities to better fit the needs of our industry partners, and expanded the advertising opportunities available. Between the successes of these programs, and decreased costs in other areas, the 2012 Convention is well on its way to meeting expected budget targets.

Our thanks to the hundreds of volunteers, from all three societies, that give their time year-round to ensure the success of this event. The convention would not be a success without their hard work and dedication. See you next year for GeoConvention 2013: Integration, May 6–10!

AWARD	RECIPIENT	TITLE OF PRESENTATION
Best Geological Oral Presentation	Margot McMechan	Structural Style and Kinematic Evolution of the Central Rocky Mountain Foothills, British Columbia and Alberta
Honourable Mention Geological Oral Presentation	Hans Machel, John E. Mylroie, Patricia N. Kambesis, Michael J. Lace, Joan R. Mylroie and Jonathan B. Sumrall	Pleistocene-Holocene Karstification of Barbados and its implications for the Devonian Grosmont Reservoir
Best Geological Poster Presentation	Pak Wong, John Weissenberger and Murray Gilhooly	Sequence Stratigraphy of Late Devonian (Frasnian) Carbonate Platforms from the Front Ranges of West Central Alberta
Honourable Mention Geological Poster Presentation	Leanne Pyle and Len P. Gal	Devonian Horn River Group in Mackenzie Plain Area, Northwest Territories
Best Student Geological Oral Presentation	Candice Shultz and Benoit Beauchamp	Microfacies Analysis of a Transect along a Pennsylvanian to Early Permian Shelf Margin and its Adjacent Slopes. Sverdrup Basin, Arctic Canada
Honourable Mention Student Geological Oral Presentation	Meriem Grifi, A. Guy Plint and Ireneusz Walaszczyk	Rapidly Changing Styles of Subsidence Inferred from a High- Resolution Allostratigraphic Study of Coniacian Mudstones in southern Alberta and northwestern Montana
Best Student Geological Poster Presentation	Janelle Irvine, Catherine Reid and Kari Bassett	The Sedimentary Record of the Transition from Passive to Active Tectonic Settings; North Canterbury Basin, New Zealand
Honourable Mention Student Geological Poster Presentation	Joel Shank and A. Guy Plint	Fault-Controlled Deposition of the Cardium Formation in southern Alberta, Revealed by High-Resolution Allostratigraphy and Trend Surface Analysis
Best Geophysical Oral Presentation	Kurt Wikel and Rob Kendall	4D Study of Secondary Recovery Utilizing THAI® from a Saskatchewan Heavy Oil Reservoir
Honourable Mention Geophysical Oral Presentation	Steven Lynch	Oops: An Introduction to Seismic Wavefield Visualization
Best Geophysical Poster Presentation	Ritesh Sharma and Satinder Chopra	Determination of Elastic Constants using Extended Elastic Impedance
Honourable Mention Geophysical Poster Presentation	Shawn Maxwell, Zuolin Chen, Irina Nizkous, Richard Parker, Yuri Rodionov and Mike Jones	Microseismic Monitoring of Ball Drops During a Sliding Sleeve Frac
Best Student Geophysical Oral Presentation	Peter Gagliardi and Don C. Lawton	Orientation Analysis of Borehole Geophones in Vertical and Deviated Wells: Calibration Consistency
Honourable Mention Student Geophysical Oral Presentation	Haneet Wason and Felix J. Herrmann	Only dither: Efficient Simultaneous Marine Acquisition
Best Student Geophysical Poster Presentation	Byron Kelly and Don C. Lawton	Monitoring Active Steam Injection through Time-Lapse Seismic Refraction Surveys
Honourable Mention Student Geophysical Poster Presentation	Laura Quigley, Yijian Meng, Bernd Milkereit and Emmanuel Bongajum	On the Road to 3D Seismic Imaging of Massive Sulphide Deposits in a Sediment-Hosted Permafrost Environment
Best Petrophysical Oral Presentation	Tristan Euzen and Matthew Power	Well Log Cluster Analysis and Electrofacies Classification: A Probabilistic Approach for Integrating Log with Mineralogical Data

AWARD	RECIPIENT	TITLE OF PRESENTATION
Best Petrophysical Poster Presentation	Kris Vickerman, Paul Heffernan and Richard Surtees	Understanding Sand Body Geometry and Lithofacies in Horizontal Oil Sands Wells – Wireline and MWD Image Examples
Best Core Presentation	<i>R. Mahood, M. Verhoef and F.A. Stoakes</i>	Paleozoic Stratigraphic Framework beneath the Muskeg River Mine (Twp 9S, Rge 9-10W4): Controls and Constraints on Present Day Hydrogeology
Honourable Mention Core Presentation	<i>Don Kent and John Lake</i>	Entrenched Channels within the Mississippian Frobisher Beds of Southeast Saskatchewan: Tidal Influence on Reservoir Quality
Best Student Core Presentation	<i>Samuel K. Williams, Stefan T. Knopp*, Federico F. Krause and Terry P. Poulton</i>	Lithofacies Analysis and Depositional Scenarios for the Rock Creek Member and “Niton B” sandstone of the Fernie Formation in west-central Alberta
Best Integrated Oral Presentation	<i>Lynn Engel and Carmen C. Dumitrescu</i>	Case Studies Highlighting Tight Sand Reservoir Characterization from the Interpretation of AVO - Inversion Techniques
Honourable Mention Integrated Oral Presentation	<i>Nicholas Harris</i>	An Integrated Sedimentology, Geochemistry and Well Log Approach to Sequence Stratigraphy in Shale Formations
Best Student Integrated Poster Presentation	<i>Chris Burns, Teddy Seyed, Ken Bradley, Russ Duncan, Aaron Balasch, Frank Maurer, and Mario Costa Sousa</i>	Multi-Surface Visualization of Fused Hydrocarbon Microseep and Reservoir Data
Honourable Mention Student Integrated Poster Presentation	<i>Liliana Zambrano, Fernando Castillo, Laureano Gonzalez and Roberto Aguilera</i>	A New Correlation of Compressional and Shear Slowness for the Tight Gas Nikanassin Group in the Western Canada Sedimentary Basin based on Geostatistical Analysis

ETF

CSPG Trustees: Dan Krentz, Secretary; Peter Harrington, Treasurer; and Trustees John Cuthbertson, Simon Haynes, Dawn Hodgins, John Hogg, Brett Norris, Kirk Osadetz, Kyla Poelzer, and Clint Tippett

The CSPG Educational Trust Fund (ETF) exists for the purpose of supporting and funding petroleum geoscientific education. We currently have assets of \$1.2 million and from that we fund approximately \$40,000 of projects yearly. The details of that support will follow.

The contribution of many individuals to the ETF is greatly appreciated. The Trustees have the objective of continuing to build the fund. We would like to be working with \$5–10 million which would make the funding of many more projects possible. There are two ways you can be part of this ambitious goal. The first is to communicate your ideas or vision of what can be done. For example, could it be something like a “Noble Prize” which recognizes contributions that have advanced petroleum geoscience education? The second way to be part of the ETF and create a personal legacy is to contribute financially. In this way you can give back to the profession which enabled your own success.

For fiscal year 2010–2011, the ETF funded \$ 40,610 of which donations were made to CSPG to support the following: CSPG bursaries (\$2,000), Graduate Thesis Awards (\$5,500)

and the Honorary Address (\$4,000). Additional funding went towards geoConvention: recovery 2011 (\$5,000), the Andrew Baillie Award (\$1,000), EdGeo (\$12,500), Calgary Youth Science Fair (\$610), and the Glen Ruby Scholarship (\$10,000). During the year, CSPG collected donations on behalf of the ETF in the amount of \$23,571.

The CSPG Educational Trust Fund as an Alberta-registered charity has restrictions, both within its Deed and as a registered charity, as to the amount it is allowed to fund yearly. Commencing in fiscal year 2011, the ETF is now able to increase its funding by reducing its capital by up to 10% per year. It also has the option to accept restricted donations that will allow funding according to the agreement with the two parties.

During the fall of 2011, the ETF identified the need to create a funding proposal guideline for funding requests and define the selection process as a result of defining Petroleum Geoscience. These forms are accessed via the CSPG website.

All our Trustees are here to represent you and you can contact them through the CSPG website. As Interim Chair, I would also like to thank the Trustees for continuing to serve on the ETF. Currently the ETF is comprised of myself, Interim Chair; Dan Krentz, Secretary; Peter Harrington, Treasurer; and Trustees John Cuthbertson, Simon Haynes, Dawn Hodgins, John Hogg, Brett Norris, Kirk Osadetz, Kyla Poelzer, and Clint Tippett. I would like to personally thank Claus Sitzler who chaired the ETF in 2011 followed by Dan Krentz as Interim Chair.