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
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 2011 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.
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 WCSSB, 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

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<tr>
<th>DATE</th>
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<tbody>
<tr>
<td>09/13/11</td>
<td>Professor Bruce Ainsworth (Australian School of Petroleum, University of Adelaide)</td>
<td>Drumheller revisited: Insights into reservoir architecture and compartmentalization prediction in marginal marine systems</td>
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<tr>
<td>09/26/11</td>
<td>Nick Eyles (University of Toronto)</td>
<td>Canadian Broadcasting Corporation’s Geologic Journey – World: bringing geology to the nation’s living room</td>
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<tr>
<td>10/18/11</td>
<td>Nick Harris (Director, Institute of Reservoir Characterization and Gungoll Chair Professor of petroleum geology and geophysics, University of Oklahoma)</td>
<td>Sequence Stratigraphy of a Black Shale: How to do it, and why it matters</td>
</tr>
<tr>
<td>10/27/11</td>
<td>Luis A. Buatois (Department of Geological Sciences, University of Saskatchewan)</td>
<td>Applications of Ichnology in Facies Analysis and Sequence Stratigraphy: The State of the Art, Trends, and Perspectives</td>
</tr>
<tr>
<td>11/08/11</td>
<td>John Suter (Professor of Geology, University of Toronto)</td>
<td>Geological Characterization of the Caprock Interval at Surmont</td>
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<tr>
<td>11/28/11</td>
<td>Laurence Andriashek (Laurence Andriashek, ERCB)</td>
<td>Geostatistical Rendering of the Architecture of Hydrostratigraphic Units within the Paskapoo Formation, Alberta</td>
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<tr>
<td>12/06/11</td>
<td>Andrew D. Miall (Professor of Geology, University of Toronto)</td>
<td>Environmental Management of the Alberta Oil Sands: New Federal and Provincial Initiatives</td>
</tr>
<tr>
<td>01/10/12</td>
<td>Joellen L. Russell (Department of Geosciences, University of Arizona)</td>
<td>The Once and Future Battles of Thor and the Midgard Serpent: The Antarctic Circumpolar Current and Glacial/Interglacial Climate</td>
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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 332 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.

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

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

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**Paleontology Division Talks**

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

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<tr>
<td>04/20/12</td>
<td>Dr. Don Henderson (Curator of Dinosaurs, Royal Tyrrell Museum)</td>
<td>Suncor Ankylosaur</td>
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<tr>
<td>05/25/12</td>
<td>Sarda Sahney (University of Bristol)</td>
<td>Competition, Opportunism and the Evolution of Vertebrates on Land</td>
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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 to 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 to 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.

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

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

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.

<table>
<thead>
<tr>
<th>DATE</th>
<th>SPEAKER</th>
<th>TITLE</th>
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</thead>
<tbody>
<tr>
<td>10/06/11</td>
<td>Mark Cooper (Sherwood Geoconsulting Inc.) and Marian J. Warren (Jenner GeoConsulting)</td>
<td>Implications of Inversion Tectonics for Hydrocarbon Exploration</td>
</tr>
<tr>
<td>11/03/11</td>
<td>Normand Begin (Kurdistan Exploration) and Jeffery Packard (Exploration Technology-GEST)</td>
<td>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</td>
</tr>
<tr>
<td>12/01/11</td>
<td>R.W. Vestrum, V. Dolgov, J.M. Gittins (Thrust Belt Imaging) and G. Wittmann (MOL Hungarian Oil and Gas)</td>
<td>3D Seismic Imaging Over Two Structurally Complex Surveys in TAL, Pakistan</td>
</tr>
<tr>
<td>01/05/12</td>
<td>Andrew C. Newson (P.Geol., Senior Technical Consultant, Moose Oils Ltd.)</td>
<td>A Balanced Cross Section across the Southern Kirkuk Embayment, Zagros Fold and Thrust Belt, Kurdistan</td>
</tr>
<tr>
<td>02/02/12</td>
<td>Rory Dunphy (Nexen Inc.)</td>
<td>Fractures, Elastic Moduli and Stress</td>
</tr>
<tr>
<td>04/05/12</td>
<td>Melissa Newton (Conoco-Phillips)</td>
<td>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</td>
</tr>
<tr>
<td>05/03/12</td>
<td>Rob Taerum (Geoscience Department, University of Calgary)</td>
<td>Structural styles of the Central Alberta Foothills and adjacent Plains: insights from a regional study</td>
</tr>
</tbody>
</table>
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.

**AWARDS**

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**Technical Awards**

<table>
<thead>
<tr>
<th>AWARD</th>
<th>COMMITTEE CHAIR</th>
<th>COMMITTEE MEMBERS</th>
<th>AWARD RECIPIENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stanley Slipper Gold Medal for Outstanding Career Contributions to Oil and Gas Exploration in Canada</td>
<td>Clinton Tippett</td>
<td>Peter Harrington, John Hogg</td>
<td>Edward Everett (Ned) Gilbert</td>
</tr>
<tr>
<td>R.J.W. Douglas Medal for Outstanding Contributions to the Understanding of Sedimentary Geology in Canada</td>
<td>Margot McMechan</td>
<td>Peter Aukes, Dave Drover, Brian Pratt, Bob Thompson</td>
<td>Dr. Darrel Long</td>
</tr>
<tr>
<td>Honourary Membership for Distinguished Service to the Society</td>
<td>Don Keith</td>
<td>Ashton Embry</td>
<td>Dr. Gerry Reinson and Dr. Roger G. Walker</td>
</tr>
<tr>
<td>Link Award for Best Presentation – Technical Luncheon Series</td>
<td>Lloyd Freeman</td>
<td>Andreas Bayer, Gary Bugden, Riona Freeman, Michele Innes, Ryan Martin, Steve Minions, Claude Ribordy, Chris Seibel</td>
<td>Dr. Stephen Grasby for his September 23, 2010 Technical Luncheon presentation “A Late Permian Hot Anoxic Acid Bath”</td>
</tr>
</tbody>
</table>

**Volunteer Awards**

<table>
<thead>
<tr>
<th>AWARD</th>
<th>AWARD RECIPIENT</th>
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</thead>
<tbody>
<tr>
<td>President’s Award for Outstanding Service by a CSPG Member</td>
<td>Paul MacKay</td>
</tr>
<tr>
<td>H.M. Hunter Award for Distinguished Service to the Society</td>
<td>Timothy Bird and Graeme Bloy</td>
</tr>
<tr>
<td>Tracks Awards for Members Who Have Set New Standards of Excellence</td>
<td>David Garner, Greg Lynch, Dennis Meloche, Trent Rehill and Bob Potter</td>
</tr>
<tr>
<td>Partnership Award for Non-CSPG Members or Non-Geologists Who Have Made Outstanding Contributions to CSPG</td>
<td>Rob McGrory</td>
</tr>
</tbody>
</table>
Service Awards for Members who have served the Society for Over Five Years

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

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

- James Ablett
- Heather Archibald
- Olena Babak
- Jeff Barefoot
- Kelly Batten Hender
- Ali Beken
- Laurie Bellman
- Berry Bennett
- Khaled Benzaoui
- Tim Bergen
- Kyla Bishop
- Edlyn Bruni
- Gary Bugden
- Matt Burns
- Jean-Yves Chatellier
- Guoxiang Chi
- Christopher Collom
- Ryan Cook
- Jonathan Cribb
- Leena Davis
- Clayton Deutsch
- Noel Devere-Bennett
- Keith Dewing
- Eva Drivet
- Kyle Durocher
- Colleen Flynn
- Patrick Fothergill
- Jocelyn Frankow
- Ranald Gault
- Sasan Ghanbari
- Chad Glemsler
- Tony Habib
- Anne Hargreaves
- Tim Hartel
- Tracy Hay
- Fran Hein
- Dan Hermay
- Amir Hosseini
- Paula Jennings
- Tracey Jungwirth
- Kevin Keogh
- Nate Kreiger
- Adam Leather
- Alex MacNeil
- Ryan Martin
- Jane Marzetti
- Darin McBeath
- Tannis McCartney
- Rick McCulloch
- Amanda Mitander
- Aliyah Mohamed
- Ryan Mohr
- Rob North
- Jeff Packard
- Per Kent Pedersen
- Amanda Perrot
- Kyla Poelzer
- Mark Rabin
- Melanie Regehr
- Andrew Riben
- Cindy Robinson
- Mike Rogers
- Kristin Rohr
- Sandra Rosenthal
- Jen Russel-Houston
- Armin Schafer
- Jacey Seebach
- Angie Simpson
- Meghan Speers
- Stan Stancliffe
- Scott Thain
- Damien Thenin
- Elizabeth Turner
- Cole Webster
- Renjun Wén
- Gerald Wendland
- Marissa Whittaker
- Andrew Willis
- Nick Wilson
- 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.
In the rain, and the 124 golfers finished the day in the sunshine after what had been glorious golfing weather previously. The “mixed” in the tournament name has 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 52nd 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.

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.

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The 52nd Annual Classic Golf Tournament was held 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.”

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Mixed Golf Chair: David Middleton; Co-Chair: Brenda Pearson Committee Members: Darin Brazel, Armin Schafer, Norm Hopkins, Penny Christensen, and Jeff Boissonneault

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The team low net trophy and tournament winners was captured 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 Arnbreuster 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, Birchcliffe 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 puts, took home a new 50” flat screen 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, McCleay 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 Robin, 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.


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

Road Race
Committee Chair: Mike Cardell
Committee Members: Kathy Waters, Jocelyn Frankou, Carol Laws, Kathy Tuerum, 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.

Top Male CSPG 10K Results

<table>
<thead>
<tr>
<th>PLACE</th>
<th>TIME</th>
<th>RACE#</th>
<th>NAME</th>
<th>DIV/TOT</th>
<th>SEX/TOT</th>
<th>DIVISION</th>
<th>MEMBER</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>37:34:27</td>
<td>1</td>
<td>Francois Tremblay</td>
<td>1/4</td>
<td>1/20</td>
<td>M-U29</td>
<td>CSPG</td>
</tr>
<tr>
<td>2</td>
<td>42:59:89</td>
<td>101</td>
<td>Cole Webster</td>
<td>2/4</td>
<td>2/20</td>
<td>M-U29</td>
<td>CSPG</td>
</tr>
<tr>
<td>3</td>
<td>43:27:46</td>
<td>90</td>
<td>Claus Sitzler</td>
<td>1/4</td>
<td>3/20</td>
<td>M4049</td>
<td>CSPG</td>
</tr>
<tr>
<td>4</td>
<td>44:27:39</td>
<td>55</td>
<td>P. Scott Kerford</td>
<td>1/7</td>
<td>4/20</td>
<td>M50+</td>
<td>CSPG</td>
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<tr>
<td>5</td>
<td>44:45:04</td>
<td>33</td>
<td>Jim Gardener</td>
<td>1/5</td>
<td>5/20</td>
<td>M3039</td>
<td>CSPG</td>
</tr>
</tbody>
</table>

Top Female CSPG10K Results

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

<table>
<thead>
<tr>
<th>PLACE</th>
<th>TIME</th>
<th>RACE#</th>
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<th>DIV/TOT</th>
<th>SEX/TOT</th>
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<tbody>
<tr>
<td>1</td>
<td>21:42:05</td>
<td>1558</td>
<td>Nathan Baker</td>
<td>1/5</td>
<td>1/23</td>
<td>M3039</td>
<td>CSEG</td>
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<tr>
<td>2</td>
<td>21:55:98</td>
<td>1517</td>
<td>Barrie Dargie</td>
<td>1/6</td>
<td>2/23</td>
<td>M50+</td>
<td>CSPG</td>
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<tr>
<td>3</td>
<td>24:04:96</td>
<td>1519</td>
<td>Jami Fox</td>
<td>2/5</td>
<td>3/23</td>
<td>M3039</td>
<td>None</td>
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<tr>
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<td>24:54:71</td>
<td>17</td>
<td>John Bodnaruk</td>
<td>1/7</td>
<td>4/23</td>
<td>M4049</td>
<td>None</td>
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<tr>
<td>5</td>
<td>25:12:52</td>
<td>1564</td>
<td>Armin Schafer</td>
<td>2/7</td>
<td>5/23</td>
<td>M4049</td>
<td>CSEG</td>
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</table>

5K Overall Top Female

<table>
<thead>
<tr>
<th>PLACE</th>
<th>TIME</th>
<th>RACE#</th>
<th>NAME</th>
<th>DIV/TOT</th>
<th>SEX/TOT</th>
<th>DIVISION</th>
<th>MEMBER</th>
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<tbody>
<tr>
<td>1</td>
<td>22:08:30</td>
<td>1532</td>
<td>Annie Hird</td>
<td>1/6</td>
<td>1/36</td>
<td>F3039</td>
<td>None</td>
</tr>
<tr>
<td>2</td>
<td>22:13:27</td>
<td>129</td>
<td>Cindy Koo</td>
<td>2/6</td>
<td>2/36</td>
<td>F3039</td>
<td>None</td>
</tr>
<tr>
<td>3</td>
<td>22:28:37</td>
<td>1559</td>
<td>Donna Dixon</td>
<td>1/6</td>
<td>3/36</td>
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<td>Jessa-Lyn Lagroix</td>
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<td>5/36</td>
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2011/2012 Fiscal Year

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 privilege 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.
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!

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

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 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.