

CSPG Bulletin of Canadian Petroleum Geology
Report of Activities
For the 2010/2011 Fiscal Year

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President's Report

(Kirk Osadetz, 2011 President)

It was a privilege and pleasure to serve the Membership as President during 2011. As many of you know, I am a great fan of Dr. T.A. (Ted) Link, discoverer of Norman Wells, Imperial Oil's Chief Geologist at the time of the Leduc discoveries, and the extraordinary geologist whose life and career we commemorate with the CSPG Link Award for the best oral presentation by a CSPG Member at a Technical Luncheon. Ted is attributed the aphorism "I've been smart and I've been lucky and I would rather be lucky". His sage words summarize neatly my Presidency and this report. I am truly fortunate to serve you the membership. My role was made simple by the fact that the membership is simultaneously professional, motivated and dedicated to our mandate and goals. Also, I was supremely lucky to have served the Society as part of a series of Executives that have set in motion and achieved goals that have strengthened the Society, revitalized its scientific and technical mandates, and ensured its efficient and effective operations and performance in all aspects. Neither can I neglect the positive influence of a strong and dynamic corporate environment that is a fundamental driver of CSPG success.

There were many changes in 2011, among them the change in the venue of the Joint Annual Convention to the Telus Convention Centre downtown, the CSPG Office move to 110, 333 - 5th Ave SW and the major revision of the CSPG website. All these actions improve service to members and position the CSPG to be a more visible force in the Calgary business and the Canadian scientific communities. These are the outward and visible signs of more profound and positive changes in the Society that are the result of many years of carefully planned revitalization that are now becoming more apparent to the members at large. I, my Executive and Directors thank previous Executives and Boards who established that vision and began the initially invisible transformation of the Society that led us to today, where we are unarguably the leading geoscientific society in Canada and as we are becoming the world's pre-eminent regional geoscience organization. At the heart of all these changes and activities was the intent to provide increased value to our membership, their employers, and our sponsors and advertisers.

At the heart of our success lies the diverse and consistent achievement of all the membership and staff in our Program, Outreach, and Services portfolios, assisted by the Executive, the Finance and Communications Directors and the Office Staff. In the reports following you will read the details of these successes that are indicated by a healthy balance sheet, which is a reflection of the effort and participation of everyone and their achievements. My thanks to everyone: The Executive, the Directors, The Committee and Division Chairs and their members, the Members whose participation in our offerings and activities resulted in their success. I also thank our Executive Director and Office Staff for all of your hard work and success.

The Divisions and Committees reporting through the Program Directors remain the heart and soul of the Society. The pulse of their achievements and activities is a measure of the strength and relevance of the entire organization. Key amongst these is the Joint Annual Convention, which returned to downtown, filled with energy and vigor, offering a marvelous combination of stimulating oral, core and poster presentations, complimented by vibrant exhibits and a number of well subscribed social and special events. Convention also provides the venue for many of our educational courses and field trips and both the Convention Committee and the Continuing Education and Field Seminars Committee can be justly proud of their achievements. Many of the themes and talks came from our

Divisions, whose members continue to be the key input for new scientific offerings. Amongst the many successes of our Divisions was the sponsorship of the 2011 Gussow Conference by the Geomodeling Division. Both meetings set benchmarks for subsequent years to seek, which compare favorably to the finest offerings of any previous year. Technical Luncheons continue to be a distinguishing feature of CSPG culture and the combination of interesting speakers and improving attendance through 2011 were a great achievement by that Committee. Through these technical successes we are also beginning to see a strengthening of our peer-reviewed scientific publications, which is a most promising indicator of the returning strength of our scientific prominence.

Outreach activities remain a strong motivation for many of our members and the continued strength and growth of our Outreach program is encouraging. 2011 saw "Earth Science For Society" incorporated as a Committee of the Joint Annual Convention, for the first time. Keynote events like SIFT and the Honorary Address were successful and the increased number of student memberships and the vigor and activity of the University Outreach Committee were commendable. Many other Committees, such as the Index of Publications labored tirelessly to ensure the representation and The Outreach Directors have been active regarding the development of a new Outreach Policy for the Society, to be implemented in future years, to ensure not only that our programs benefit their target audiences, but also to ensure that they effectively bring recognition and future benefit to the Society, not the least of which is the identification and development of a future generation of petroleum geologists.

Member Services helped to strengthen the work of our Program and Outreach activities by identifying and placing volunteers in key committees and programs, while simultaneously celebrating our members and just having fun through our Social/Networking Events. The Directors and Executive are aware of the need to strengthen Office Staff support for Social/Networking events and this resulted in Office changes that will ensure better future support for these events. The development of a volunteer coordinator position and the success of that portfolio identifying and placing new volunteers helped ensure the work of our program during 2011. Additionally we continued the relatively new U-35 social event and began a volunteer appreciation luncheon. Awards are a key method for recognizing our members and their contributions and the Services Directors conducted a comprehensive review of the Awards and instituted new processes to ensure the effectiveness and thoroughness of our awards program in 2011. Please note the awards recipients elsewhere in this report and variously thank and congratulate them when you see them at Society functions and activities.

Some things begun in 2011 remain to be accomplished. We remain committed to revising and modernizing our by-laws to ensure that the Society can perform effectively today and respond strongly to future challenges. The process of revising and renewing our Joint Annual Convention agreement with the CSEG began with a joint workshop in late 2011. The Executive and Nominations Committee committed itself to a process of competitive democratic elections for key Executive and Director roles, which will continue. The incremental improvement of the Society's financial strength and performance progressed admirably under the stewardship of the Finance Committee, such that target reserve levels and financial procedures are being achieved. Finally I need to thank our Executive Director, Lis Bjeld, and our office staff for their excellent support to all components of the Society and its membership through the challenging times of the office move.

I wish all the best to incoming President Mr. Robin Mann, and his administration. I thank you, the membership, again for the honor and privilege to serve the Canadian Society of Petroleum Geologists. As another Past-President said, "Our Past is the Key to Our Future". Truly our past is the story of legends in Canada's upstream petroleum industry. Our current success is the collective achievement of all our membership. Our future is exciting and bright as we solidify recognition that we are Canada's Energy Geoscientists, and as the world notices that the CSPG is a vibrant and innovative voice for Petroleum Geology and its place in society.

Kirk Osadetz, CSPG President 2011

Finance Report

(Darren Aldridge, Finance Director; Andrea Hood, Assistant Finance Director;
Lis Bjeld, CSPG Executive Director)

Growth continued for the CSPG in 2011, and we are now a three million dollar business with portfolios run by Directors while using the President, Vice President and Past President to oversee operations and directly handle affiliate Society agreements, governance, strategy, and steer new initiatives.

These growing balance sheet and income statements reflect the changing budgets of the committees themselves that individually contribute to the success of the Society as a whole. As a result, actuals are run against the fiscal budget for each committee, so that clarity and relevance are provided as a tool to aid them in progressing with their committee agenda. The Finance Committee has introduced operating guidelines easing decision making with approved budgets. On to more of that later, let's get down to some of the detail of this year's success:

During the fiscal 2011 year, CSPG operated the joint annual convention, recovery 2011, of behalf of our affiliated Societies: CSEG and CWLS. Revenues from recovery exceeded \$2MM. The convention saw 4,400 attendees, a full exhibit floor, and 47 sponsoring companies. The success of this convention allowed CSPG to instigate new initiatives; such as the office move, migrating to new technologies for the website and in-house database, new equipment and expanding the education offerings. Recovery alone contributed \$403,706 to these initiatives.

Including our share of the recovery profit, CSPG finished the year at a surplus of \$434,921. This is directly in line with our mandate which is to maximize service to members and reserve convention profits to drive new initiatives which will benefit members in the future. This also reduces risk as it is only after the funds are received from convention that they are allocated. With our goal of operating CSPG at breakeven we continue to maximize service to members. This year we introduced non-financial performance indicators, tracking trends over ten years. The Finance Committee is comprised of me, Darren Aldridge, Andrea Hood and Lis Bjeld. At the request our President Kirk Osadetz, we were asked to focus on some keys issues we saw as fundamental to the Finance Portfolio. At that time we crafted out what we thought were key deliverables for the Finance Committee. As we essentially left 2010 with Greg Lynch giving us a new forward look to 2020, we wanted to focus on two main goals for 2011 to keep that trend going. Our first goal was that CSPG stakeholders (that's each of you as members) have confidence in the stewardship of our financial resources. Our second goal was to advance initiatives through continued financial success.

Focusing on transparency down to the committee level, we introduced a process clarifying financial decision making called Committee Approvals Request (CAR). This has helped contribute to a breakeven with the profits of the Convention equivalent to the net profits of our Society. As a non-profit society, for us to operate our Society at this level it removes the convention as an essential breakeven operating component of our budget. We look at convention profits as funds that can be put to work expanding on existing programs or developing new ones; setting up new committees if required that reflect what you as members want from the Society. This was a tremendous effort, for which I would like to recognize and thank the recovery 2011 team; all CSPG committees and divisions for executing their budgets as planned; and to our office staff under the direction of Lis Bjeld.

In this volatile economy, we also wanted to look at our Rainy Day Fund (RDF) to ensure it had stability in this unpredictable environment. Like everyone else we just went through a recession, so how do our investments look? Governments globally are in huge debt and now are subject to large spending cuts. One of the questions we asked ourselves was: Is CSPG's own financial investment plan sound enough to combat this uncertainty and take into account our overall risk tolerances and timeline? As with any non-profit society, we wanted to have our investment classified as a lower risk investment. As we finished 2010, the investment split built up to a 40:60 Stock/bond split (a bit more of a moderate risk, than where we want it to be). Typically, non-profit societies have investments in the

20/80 split; the 20% to allow some portion of equities to compensate for inflation. We wanted to have this secure as this is essentially the fall back for our society. The board approved a motion by the Finance Committee to change to a 20/80 split. I am happy to report that our rainy day fund has \$434,766 in fixed income and \$297,429.19 in cash. Looking forward into fiscal 2012, 20% will be invested in equities. In November 2011, CSPG increased the cash amount by \$150,000. With these adjustments we are well on our way to achieving the Investment Fund target of \$1MM to ensure long term security of the Society

I'd also like to acknowledge the success of the Technical Programs – Technical Luncheons, Continuing Education, Technical Divisions and the International Core Conference. These programs were reshaped by Directors Brett Norris and Jon Noad and committees with the assistance of Graeme Bloy and Dennis Meloche on the AAPG Ice Conference and International Core function, and helped contribute to our financial success in 2011.

We saw a dip in our membership in 2011, something we anticipated from our changing demographic study. This is the driving factor of our vision and goal for 2012: to build eminence for CSPG.

Communications and publications grew; thanks to new CSPG publications and a growth in advertising revenue. Networking and social events introduced new functions while Outreach penetrated new territory, reaching out to additional university and high school students as well as new energy geoscientists.

It was an impressive year! With financial stability, transparency, and strengthening internal operations we are well positioned for growth and our financial picture is truly Rock Solid.

Program Report

(Brett Norris, Program Director; Jon Noad, Assistant Program Director)

Gussow Geoscience Conference

Following the great success of the 2009 Gussow Geoscience Conference on *Engineering Sustainable Oil Sands Development* a year off was taken resulting in no 2010 Gussow Conference.

Technical Luncheons

Committee Chair: Ryan Mohr

Committee members: Riona Freeman, Tim Bergen, Ryan Martin, Michael Webb

Technical Luncheon Advertising: Norbert Alwast

The Technical Luncheon Committee went through a bit of transition in 2011 when, after 10 years as member and leader, Chris Seibel moved on to join the CSPG executive as Services Director. We want to take this opportunity to extend a big thank you to Chris for his decade of service and contribution to the program (almost 180 technical luncheons!). Furthermore, at the conclusion of the 2011 luncheon season, Tim Bergen will leave the group and we would like to also thank him for his 3 years on the Committee. The 2012 Technical Luncheon committee will be made up of Ryan Mohr (Nexen), Riona Freeman (Harvest Energy), Ryan Martin (ARC), Michael Webb (Suncor), and Rory Dunphy (Nexen). Although the Committee generally runs semi-autonomously, it falls under the portfolio of the CSPG Program Director. For 2011, this is Brett Norris and in 2012, Jon Noad will take over the helm.

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 2011 Technical Luncheons series showcased a variety of speakers from around the world including Australia, the United States and Canada over 18 lunches. Audiences (averaging 490 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.

In March of 2011 the CSPG successfully hosted its first joint technical luncheon in conjunction with the Saskatchewan Geological Survey in Regina. Gerry Reinson travelled with CSPG representatives to give a similar talk to the one he gave in Calgary at the AGM. The event proved to be very successful and was well received. The committee would like to thank Gerry for his contribution and also thank the Saskatchewan Geological Survey for their hospitality and support in making this a successful outreach event.

The 2012 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.

2010/2011 Technical Luncheons

Date	Presenter	Title
September 10, 2010	Kirk G. Osadetz	Remaining Conventional and Unconventional (Shale Oil) Resource Potential in the Colorado Group
September 23, 2010	Dr. Stephen Grasby	A Late Permian Hot Anoxic Acid Bath
October 14, 2010	Michael J. Melchin	Biodiversity and Environmental Change in the Late Ordovician and Early Silurian: Integration of Bio-, Litho-, and Chemostratigraphic Studies
November 9, 2010	Ron Boyd	A One-way Ticket from Antarctica to the Tasman Abyssal Plain via the Great Barrier Reef – Sediment Dispersal on the Eastern Australian Margin
November	Dr. Hasley Vincent	Elucidating the tectonic-sedimentary signatures of a deformed

23,2010		continental margin along Northeastern South America
December 7, 2010	Brendan Murphy	The Origin of Supercontinents and the Conundrum of Pangea
January 13, 2011	Garry Reinson	Transgressive Sandstone Reservoirs – Controls on variability and occurrence in Mesozoic strata of Western Canada Sedimentary Basin
January 27, 2011	David A. Eberth	China's Jurassic Park: The Shishugou Formation of Xinjiang
February 10, 2011	Scott A. Barboza	Consequences of Multiple Phases of Tertiary Uplift and Erosion on the Thermal Evolution of Mesozoic Source Rocks, North Slope – Chukchi Sea, Alaska
March 2, 2011	Steve Cumella	Important Characteristics of Rocky Mountain Tight Gas Sand Accumulations
March 15, 2011	Matthew D. Jackson	From Outcrop Analogue to Flow Simulation: Understanding the Impact of Geologic Heterogeneity on Hydrocarbon Production
April 5, 2011	Christopher D. Laughrey	Black Shale Diagnosis: Insights from Integrated High-definition Analyses of Post-mature Marcellus Formation Rocks, Northeastern Pennsylvania

Continuing Education

Committee Chairs: Carrie Jeans, David Kisilevsky

Committee Members: Ali Beken, Amanda Mitander, Andrew Riben, Edlyn Bruni, Debbie Legaspi, Ryan Cook, Samantha Etherington, Tina Donkers

Continuing Education at the 2011 Convention

The 2011 Convention was a great success. We ran 67.5% of the Short Courses and Field Seminars that were advertised. We had a much higher run percentage for the Short Courses (78%) compared to the Field Seminars (25%).

The CSPG introduced a new Instructor Payment Scheme this year, which attracted a wide range of instructors for this year's Convention.

Field Seminars

This Convention, the CSPG ran two of the eight field seminars advertised.

- 1) Contrasting The Reservoir of Braided vs. Meandering Depositional Systems
- 2) SAGD Fundamentals – Application of Outcrop Analogues, Geology, Geophysics, and Geochemistry to Oil Sands Recovery. The attendance was 10 participants for each Field Trip for a total of 20 participants for Field Seminars

Short Courses

The CSPG ran 25 out of the 32 short courses advertised for the Convention. The Short Courses ranged from a half a day up to four days in length.

- 1) SAGD Fundamentals – Applications of Core, Geology, Geophysics, and Geochemistry to Oil Sands Recovery
- 2) Subsurface Methods – Core Work and Log Correlation in Classic Sediments
- 3) Seismic Exploration for Non-Geophysicists.
- 4) Log Analysis of Unconventional Reservoirs
- 5) Mannville Stratigraphy, Sedimentology, and Petroleum Geology
- 6) Petroleum Geomechanics for Developing Unconventional Resources
- 7)

Convention Short Course attendance ranged from 4-35 per course, with a total of 417 Short Course participants. The participant feedback was overall very positive.

Technical Division

Environment Division

Chair: Andrew Fox

Committee: Ed Mathison and Mark Rabin

The Environment Division held one lunchtime talk in 2011. Thanks to Oxford Properties 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. Technical and logistical support for the division talks was provided by MEG Energy Corp.

Date	Presenter	Title
February, 2011	Jon Hornung (Suncor Energy)	Reclamation in Oil Sands Mines

Basin Analysis and Sequence Stratigraphy Division

Co-Chairs: Mark Caplan and Steve Donaldson

We have formed a committee of four keen volunteers, and would like to extend many thanks to the other two committee members, Rob North and Gordon Stabb, for their continued encouragement and invaluable support. Thanks are also expressed to ConocoPhillips for permitting us to host our noon-hour talks at their Gulf Auditorium. Over the period of September 1, 2010 to August 31, 2011, BASS has hosted one excellent technical presentation with an attendance of forty people. We wish to thank the author for donating his valuable time and providing the geological community with access to new and innovative research and methods.

Date	Presenter	Title
November 2, 2010	Joel Shank	Yo-Yo Eustasy and Teeter-Totter Tectonics in a Muddy Basin - Cardium Formation, Southern Alberta

Paleontology Division

Committee Chair: Philip Benham

Co-Chair: Harold Whittaker (APS Technical Program Director)

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 2011. Attendance varied from 15 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 2011 where an additional eight lectures were given and numerous posters were on display.

This free event attracted approximately 200 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 and Vaclav Marsovsky, Dan Quinsey, Howard Allen and Keith Mychaluk) who helped set up audiovisual, provide coffee and organize the events.

Date	Presenter	Title
January 21, 2011	Laura Roskowski (FMA Heritage, Inc.)	An overview of archaeology in the Athabasca oilsands of Alberta.
February 18, 2011	Chris Jass (University of Alberta)	Digging in the dark: Caves and ice age fossils in western North America.
March 19 & 20, 2011	15th Annual Symposium	
	Darren Tanke (RTMP)	Hope Johnson, LL.D. (1916–2010): An

		extraordinary Albertan amateur palaeontologist.
	Bert Hunt and Katalin Ormay (Paleontological Society of the Peace)	History of Peace Country Palaeontology.
	Jon Noad (Murphy Oil)	How to Find Fossils: Blending Sedimentology, Palaeoecology, Pattern Recognition and Common Sense.
	Emily Bamforth (McGill University)	Ecosystems in Stone: Determining Palaeobiodiversity Drivers in the Latest Maastrichtian of Central Canada.
	Tetsuto Miyashita (University of Alberta)	How Tyrannosaurs got Tyrannosaurus rex.
	Ben Gadd (Author and Guide)	Icefield Bunnies, Gullible Bees and Why the Tallest Mountain is not the Highest.
	David Eberth (Royal Tyrrell Museum)	Revised Chronostratigraphy for the Oldman, Dinosaur Park and Bearpaw Formations at Dinosaur Provincial Park, Alberta, Canada.
	Paul Selden (Paleontological Institute, University of Kansas)	Silk and Venom: The Geological History of Spiders.
April 15, 2011	Annie Quinney (University of Calgary)	Palaeoenvironments and palaeoclimate of the Upper Cretaceous Horseshoe Canyon Formation (Alberta): Using ancient soils to study the effect of environmental changes on faunal turnover in a dinosaur-dominated terrestrial ecosystem.
May 13, 2011	Wayne Braunberger (Alberta Palaeontological Society)	Molluscan biostratigraphy of the Cardium Formation, Alberta foothills and adjacent subsurface.

International Division

Co-Chairs: Trent Rehill and Robert Potter

The year 2011 was another excellent year for the International Division. First, we would like to thank all our speakers for their excellent talks in 2011; without them, “no speakers, no talks”. Secondly, we would like to thank our generous sponsors for a fine year of International Division support: Nexen and staff for use of the meeting facilities and *Geochemtech Inc.* and *IHS* for providing refreshments. Towards the end of the year, Quad Operations and Drilling Information offered to provide gifts of appreciation for the speakers.

Due to support from our speakers and sponsors, over the last twelve months we have hosted 11 technical luncheons with an average attendance of close to one hundred. 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. Our attendee demographic range has also widened, spanning university students to “45 year” International G&G&E Veterans. Two social events (the annual “Xmas Socializer” and the “Season Ender”) were successfully held and well attended at Buzzards. We would like to extend our special thanks to Sensor Geophysical, Schlumberger and Buzzards for their continued support of the International Division.

The International Division now maintains both a Facebook page (“CSPG International Division”) and LinkedIn.com to post upcoming talks, discussions and networking forums.

Date	Rock Shots Presenter	Main Presenter	Title
January 12, 2011	Bob Potter , GeoChemTech Inc.	Frank Crawford , Chief Geologist-Groundstar Resources	Exploration of a Re-structured Mesozoic Rift Basin in Guyana
February 09, 2011		Craig Boland , Boland Exploration Consulting	Offshore Benin, West Africa an Exploration Case Study of an Underexplored Basin.
March 09, 2011		Lorne LeCerc , Independent Consulting Petroleum Geologist	Discovery and Appraisal of the Al Manzah Oil Field, a Fractured Micritic Limestone Reservoir within the Bou Dabbous Formation (Eocene), Cap Bon Region, Tunisia
April 06, 2011	Graham Banks - Regional and Structural Geologist, Western Zagros	Dave Birnie , President, GEOSEIS Inc.	Following the Exploration and Discovery Process and Understanding the Reasons for Success - Offshore Ghana, West Africa
April 20, 2011	Paul Harrington , W.L.Gore & Associates	Tako Koning , Gaffney, Cline & Associates	West Africa Oil & Gas – Continuous Exploration Successes, Increasing Production & Geopolitics
May 04, 2011	John Etherington , PRA International Ltd.	Bob Potter , GeoChemTech Inc.	SUDAN – Review of the Geology and Potential Hydrocarbon Reserves
June 15, 2011		Lorne LeCerc , Independent Consulting Petroleum Geologist	Sunah-1, An Evolving Story: Canadian Oxy's Masila Basin Discovery (South Yemen)

Geomodeling Division

Chairs: Weishan Ren

Co-Chairs: David Garner

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

We helped to hold a successful Geomodeling Session in GeoConvention, May 2010, and helped to organize the Gussow Geoscience Conference 2011: “Closing the Gap: Advances in Applied Geomodeling for Hydrocarbon Reservoirs”.

In 2010, we also hosted five geomodeling related division talks with an average attendance of 35 to 60 people.

Structural Division

Chair: Darcie Greggs

Committee Members: Jean-Yves Chatellier, Patrick Fothergill, Tim Hartel and Adriana Taborda whose energy and enthusiasm are greatly appreciated.

Thanks are expressed to Husky Energy Ltd. for providing the venue for our noon-hour talks, and as well to HEF Petrophysical for the refreshments. Over the course of 2012 we have hosted five presentations with an average attendance of about forty to fifty people.

Date	Presenter	Title
January 13, 2011	Drs Zeev Berger, Michelle Boast and Martin Mushayandebvu (Image Interpretation Technologies Inc.)	Predicting “Sweet Spots” in the emerging unconventional oil plays of the Deep Basin and Southern Peace River Arch, Alberta
February 3, 2011	Graham Banks, Ph.D. (WesternZagros Resources)	Aspects of Structural Geology in northern Iraq: continental- to centimetre-scale
March 3, 2011	Christopher J. Collom (Koch Exploration Canada)	Geology in the Cambrian Trenches: Evolving Structural and Hydrothermal Paradigm of the Cathedral Platform & Burgess Shale
April 7, 2011	Wouter Bleeker (Geological Survey of Canada)	100 Years After Wegener: Can We Complete The Plate Tectonic Revolution?
May 3, 2011	Graham Banks, Ph.D. (WesternZagros Resources, Calgary)	Lithospheric-scale detachment faulting at oceanic spreading centres: How much of the Earth’s oceanic ‘crust’ is not actually crust?

Services Report

(Chris Seibel, Services Director; Michelle Hawke, Assistant Services Director)

Membership

At the end of fiscal year 2010-2011, CSPG had the following number of members in six different categories:

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

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

Awards

The 2011 CSPG Awards Ceremony took place Monday, May 9th at the Hyatt Regency Calgary during geoConvention: recovery. The event was hosted by President Kirk Osadetz and presentations of all the 2010 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. A listing of 2010 award recipients and award committee members follows:

Award	Committee	Committee	Award Recipient
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	Chair	Members	
Stanley Slipper Gold Medal for Outstanding Career Contributions to Oil and Gas Exploration in Canada	Clinton Tippet	Peter Harrington, John Hogg	Norman Fischbuch
R.J.W. Douglas Medal for Outstanding Contributions to the Understanding of Sedimentary Geology in Canada	Margot McMechan	Peter Aukes, Dave Drover, Ian Knight, Bob Thompson, Hank Williams	Deborah Spratt
Honourary Membership for Distinguished Service to the Society	Don Keith	Ashton Embry	Michael Cecile and George Pemberton
Link Award for Best Presentation – Technical Luncheon Series	Lloyd Freeman	Michele Innes, Andreas Bayer, Steve Minions, Claude Ribordy, Chris Seibel, Angie Simpson, Tammy Wolcott	Jen Russel-Houston for her March 23, 2010 Technical Luncheon presentation “How an Underground Approach to Commercial Bitumen Development of the Grosmont Formation Could Maximize Profitability and Minimize Environmental Footprint”
Medal of Merit for Best Paper Related to Canadian Petroleum Geology	Ian Kirkland	Dan Edwards, Adam Hedinger, Wim Jalink, Peter Kouremenos, Clint Tippet, Heather Wright	Jack Wendte, David Sargent, Alan Byrnes and Ihsan Al-Aasm for their paper entitled, “Depositional facies framework, evolution, and reservoir architecture of the Upper Devonian Jean Marie Member (Redknife Formation) in the July Lake area of northeastern British Columbia.”
Medal of Merit for Best Paper Related to Canadian Petroleum Geology – Honourable Mention	Ian Kirkland	Dan Edwards, Adam Hedinger, Wim Jalink, Peter Kouremenos, Clint Tippet, Heather Wright	Derald Smith, Stephen Hubbard, Dale Leckie and Milovan Fustic for their paper entitled, “Counter point bar deposits: lithofacies and reservoir significance in the meandering modern Peace River and ancient McMurray Formation, Alberta, Canada.” Sedimentology
President’s Award for Outstanding Service by a CSPG Member			Mark Cooper and Colin Yeo
Tracks Awards for Members Who Have Set New Standards of Excellence			Vic Panei and Denise Hodder
Partnership Award for Non-CSPG members or Non-Geologists who Have Made Outstanding Contributions to CSPG			John Cuthbertson and Annette Milbradt

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

Jennifer Adams	Les Eliuk	Wim Jalink	Indy Raychaudhuri
Norbert Alwast	Ashton Embry	Glenn Karlen	Gerry Reinson
Astrid Arts	Ned Etris	Don Keith	Weishan Ren
Peter Aukes	Andrew Fox	Ian Kirkland	Jim Reimer
Wes Bader	Lloyd Freeman	Peter Kouremenos	Claude Ribordy
Andreas Bayer	David Garner	Mike LaBerge	Terry Sami
Philip Benham	Steve Grasby	Craig Lamb	Eileen Scott
George Bowley	Darcie Greggs	Larry Lane	Chris Seibel
Peter Boyle	Aaron Grimeau	Cory MacNeill	Claus Sitzler
Nathan Bruder	Matt Hall	Fraser MacNicol	Randy Smith
David Caldwell	Tony Hamblin	Ed Mathison	Gord Stabb
Mark Caplan	Peter Harrington	Blair Mattison	Lavern Stasiuk
Allan Carswell	Peter Hay	Bruce McIntyre	Glen Stockmal
Richard Chisholm	Doug Hayden	Ben McKenzie	Mike Swain
Nancy Chow	Greg Hayden	Margot McMechan	Martin Teitz
Andre Chow	Simon Haynes	Dennis Meloche	Clint Tippett
Penny Christensen	Adam Hedinger	David Middleton	Anthony Wain
John Cody	Dave Hills	Jessie Mitton	John Waldron
Penny Colton	Dawn Hodgins	Guillaume Nolet	Michael Webb
Barrie Dargie	Peggy Hodgkins	Regan Palsgrove	Hank (Harold) Williams
Tim de Freitas	John Hogg	Alice Payne	Dick Willot
Foon Der	Norm Hopkins	Brenda Pearson	Hugh Wishart
Ian DeWolfe	Steve Hubbard	Guy Plint	
Steve Donaldson	Michele Innes	Frank Pogubila	
Dave Drover	Dale Issler	Brian Pratt	

Volunteer Awards for Members who have served the Society for Two to Five Years

James Ablett	Tina Donkers	Shawn Lafleur	Mark Rabin
Linden Achen	Eva Drivet	Denis Lavoie	Trent Rehill
Mitch Allison	Bob Earle	Debbie Legaspi	Andrew Riben
George Ardies	Markus Ebner	Sid Leggett	Sandra Rosenthal
Olena Babak	Dan Edwards	Robert MacNaughton	Justine Sagan
Jeff Barefoot	Samantha Etherington	Alex MacNeil	Angie Simpson
Julia Baumeister	Richard Evoy	Tannis McCartney	Heather Slavinski
Tim Bergen	Patrick Fothergill	Rick McCulloch	Tom Sneddon
Karen Bradshaw	Jocelyn Frankow	Ryan Mohr	Scott Thain
Charles (Chuck) Buckley	Riona Freeman	Kevin Muir	Cole Webster
Jean-Yves Chatellier	Chad Glemser	Meghan O'Reilly	Gerald Wendland
Chris Collom	Tracy Hay	Jeff Packard	Jay Williams
Andrew Cook	Fran Hein	John Peirce	Andrew Willis
Keith Dewing	Kristy Howe	Emmanuelle Piron	Keith Yaxley
Robert Dick	Carrie Jeanes	Kyla Poelzer	John-Paul Zonneveld
	Dan Krentz	Bob Potter	

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.

Volunteer Management

Committee Chair: Martin Teitz

On February 16, 2011 an Inaugural Volunteer Recognition Reception was held at Quincy's Restaurant, hosted by 2011 Past President John Varsek. This reception was well attended and was well received as was evident by the positive feedback in the survey conducted at the event.

Throughout the year, the committee received approximately 80 volunteer applications, 14 were placed with committees and an additional 14 volunteers were placed for one day events. We currently have more volunteer applicants than positions to fill. This will be a challenge over coming years to place eager volunteers into meaningful roles. Additional challenges include developing consistent processes and procedures for placement, training, and recognition of our valuable volunteers.

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

Congratulations to the 2011 CSPG Classic Golf Tournament champion Darrel Joy with runner up Daniel Gee of the Paskapoo Flight. Winners of the remaining 14 Flights were Brian Halberstadt, Mirek Zaoral, John Williams, Mike Swain, Deno Adams, Jeff Boissonneault, Tom Phillips, Colin McNeil, Carl Glaser, Devon Henderson, Terry Dey, Richard Klippenstein, Richard Nash and Rachel Phillips of the Pre-Cambrian flight.

The winning Chuck Wagon team consisted of Rob Langill, Brad Torry, Colby Ruff and Max Howard. On behalf of all its participants, the CSPG 2011 Classic Tournament committee wishes to thank the 54 sponsors who contributed to a successful event last year, particularly our Diamond sponsors: geoLOGIC Systems Ltd, Little Rock Document Services, Macquarie Capital Markets Canada Limited and Schlumberger of Canada.

Mixed Golf

Committee Chair: David Caldwell; Co-Chair: Brenda Pearson

Committee Member: Dick Willott, Norm Hopkins, Kevin Muir, Darin Brazel, Hugh Wishart, Penny Christensen

Despite the poor Calgary weather all summer long this year, we still managed to get in a decent round of golf at the 22nd annual CSPG Mixed Golf Tournament this year. Once again, Lynx Ridge hosted a great tournament and the course conditions were exceptional. This made it easier for more of the hackers out on the course. That is why we are known as the fun tournament although there is still a bit of competitive edge with some teams.

The winning team for gross score was the team of David Caldwell, Jimmy Dowhaniuk, Mike Newton and Dan Krpan. The winning team for best Net Score was Bob Septhon, Jordan Biss, Joerg Wittenberg, and Brittany Muys.

The most honest team this year went to Norm Hopkins, Robert Paul, Lisa Stickle, and Luis Leote. Huge thanks to IHS Energy for stepping up as the Tournament Sponsor. Thanks again to Canada Brokerlink who have been our tournament sponsor for the past 21 years. It is great to still have them involved at a Silver level. Other big sponsors who returned to the event again this year were Tucker Wireline and GLJ Petroleum Consultants. Without big sponsors like these, the tournament would not be a huge success. We had the most sponsors ever on Par 3's this past year as well. IHS sat on Hole 5 and greeted players with drinks and snacks. Roke Technologies and Cougar Consultants had a BBQ and drinks for golfers on Hole 8. On the back nine, Sensor Geophysical served beverages for golfers on Hole 12 while Energy Navigator Sponsored Hole 14 and AGAT Laboratories had drinks and snacks for golfers on hole number 17.

Schlumberger was the official scoring system sponsor who posted scores and results at the banquet. CL Consultants sponsored all of the golf carts while Rigsgas Gas Detection sponsored the Driving Range. Exova once again stepped forward to sponsor the breakfast while MJ Systems helped co-sponsor the banquet meal.

Huge thanks to the golf committee for helping out with their time and efforts again this year. Assisting as Chairpersons were Brenda Pearson from Birchcliff Energy and David Caldwell from Command Equipment. David Middleton from Suncor created all of the signs for the tournament and Penny Christensen from Schlumberger organized all of the prizes for every hole competition, teams and random prize giveaways. Norm Hopkins bought all of the trophies for each winning team. Darin Brazel from IHS Energy Systems helped out tremendously with the sponsorship drive.

Squash Tournament

Committee Chair: David Caldwell; Co-Chair: Jessie Mitton

Committee Member: Kristy Howe, Randy Smith, Ryan Barnett, Shawn Lafleur, Naomi Storey, Jay Williams, Val Tropolniski, Jeff Barefoot, Joceyln Frankow

The 28th Annual squash tournament will be remembered for many great moments but perhaps the most memorable event was during the Banquet Ceremonies. Long time squash players Dell Pohlman and Bruce Shultz were asked to present the newly re-named Cindy Reidiger Spirit Award in honor of their past colleague who had been taken away from us suddenly last summer. Cindy, a geologist, teacher, and friend to many people at the squash tournament, tragically lost her life trying to rescue someone in distress. The award which symbolizes spirit, and making memorable contributions to the squash tournament... something Cindy did for years as a player and continued to do in her own life. The transition of the trophy was a surprise to many at the tournament and an even bigger surprise to Dell and Bruce who were named the first winners of the newly named **Cindy Reidiger Spirit Award**. These guys have both been involved with the tourney since its inception 28 years ago. Bruce missed one year of play for hip surgery, but has been in it every other year as has Dell. It was a great award for two great contributors and fitting that the two winners were the ones who created the award 3 years ago and who were long time friends and colleagues of the late Cindy Reidiger.

The tournament featured great squash matches in singles and doubles. The Women's A division in singles saw two new finalists with Kristy Howe coming out on top beating Heather Shepley. Men's Competitive Doubles also had a new winner with Brian Fyke and Brian Rutherford narrowly edging out Norm Wegerhoff and Richard Burrage. Costumes were also very creative this year. The Neon teams of Naomi Storey and Dan Wright, along with Aaron Grimeau and Kristina Vasic took home the prize.

The food served by the World Health Club in Edgemont was unbelievable. Pasta night was followed by Wrap Night and then Saturday Brunch. Banquet dinner didn't disappoint either with some great lasagna and entertainment. This

is undoubtedly a great venue for an event like this. The staff at the World Health club was truly amazing. Thanks to Tucker Wireline who lead the way with their Tournament Sponsorship.

Geotir and Sensor Geophysical also stepped in at the Platinum level to provide needed funds for the Taxi Chits, Teams Tourney and Registration Night. Other large sponsors were: Belloy Petroleum Consulting, Cougar Consultants Inc., Divestco, Earth Signal Processing, GRS Rentals & Services Inc., Halliburton, Pason, Prospex Resource Management, Pulse Seismic, RPS Energy, Rigsat Gas Detection Communications, SourceX Geophysical and Total Gas Detection.

Huge thanks to our great committee for helping put this all together. Jeff Barefoot, Ryan Barnett, David Caldwell, Jocelyn Frankow, Kristy Howe, Shawn Lafleur, Jessie Mitton, Randy Smith, Naomi Storey, Val Toploniski, Jay Williams.

10K RR/Fun Run

Committee Chair: Mike Cardell

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

With the leaves falling from the trees the annual CSPG/CSEG Road Race and Fun Run took place on a blustery September 15th afternoon. The temperature was perfect for running, and a very enthusiastic and hardy crowd of 170 runners dashed from the start line. This year marked our 3rd year for the 5K, and again we an increase in participants to 51 runners. Both 5 and 10 km racers had to maneuver through the construction detours for the enw Peace Bridge, and I know our race monitors, decked out in new safety vests, and helped the runners negotiate the route. Again this year, to assist the runners, distances were uniquely marked in geological time. Like every year, it's great to see a mix of competitive and first-time runners. Winning Time provided the chip timing, which makes the finish line volunteering easier and timing more precise. We tested a new venue for the post-race awards party andreceived positive feedback for the Calgary Curling Club, where the mmix of racers and volunteers enjoyed plenty of cold beverages and tasty pizza. The evening was topped of with door prizes, awards, and of course, our noe-famous sock toss. Through great sponsorship and strong participation, we were opnce again able to contribute to the CSPG Educational Trust Fund, and to the YMCA Strong Kids Foundation!

This year's sponsors were:

Platinum: IS, and Gord's Running Store.

Gold: Earth Signal Processing, Gran Tierra Energy, Paradigm, Sensor geophysical, and Total E&P Canada Ltd.

Silver: AGAT laboratories, Bellow Petroleum, CGGVeritas, Divestco, Galleon Energy, Kulczyk Oil Ventures, Perpetual Energy, Pulse Seismic, Regent Resources Ltd., Sigma Exploration, and WesternGeco

Bronze: Acris, ARC Resources, Chiropractic Performance and Sports Therapy Centre, CL Consultants, Edge Technologies, Pro Geo Consultants, Scott Land & Lease, and the Eu Claire YMCA.

Finally a huge thank-you o the group of people on the committee that made this all work: Kathy Waters, Jocelyn Frankow, Kathy Taeru., MattHall, Greg Hayden, Tim Burk, Mike Cradell, plus Alyssa Middleton and Dayna Rhoads at the CSPG office. AS well, thanks to the staff at the Eau Claire YMCA for their hospitality.

Here's a summary of the CSPG, CSEG, and CAPL winners from 2010:

Top Male CSPG 10K Results

Place	Gun Time	Race#	Name	Div/Tot	Sex/Tot	Div	Member
1	36:46.3	745	Francois TREMBLAY	1/5	1/26	M-U29	CSPG
2	37:19.7	601	Gabriel ALTEBAEUMER	2/5	2/26	M-U29	CSPG

3	41:09.7	673	Darren LAZARUK	1/7	3/26	M4049	CSPG
4	41:35.5	666	Scott KERFORD	1/7	4/26	M50+	CSPG
5	41:43.7	644	Ben GUERARD	1/7	5/26	M3039	CSPG

Top Female CSPG 10K Results

Place	Gun Time	Race#	Name	Div/Tot	Sex/Tot	Div	Member
1	43:39.6	718	Justine SAGAN	1/2	1/6	F3039	CSPG
2	46:11.2	681	Erin LINLEY	1/2	2/6	F-U29	CSPG
3	48:27.2	690	Jane MARZETTI	2/2	3/6	F-U29	CSPG
4	53:38.2	633	Tina DONKERS	1/2	4/6	F50+	CSPG
5	56:46.4	657	Sandi JARRETT	1/2	5/6	F4049	CSPG

Top Male CSEG 10K Results

Place	Gun Time	Race#	Name	Div/Tot	Sex/Tot	Div	Member
1	41:27.7	604	Nathan BAKER	1/3	1/16	M-U29	CSEG
2	45:40.6	692	Andy MAYCOCK	1/4	2/16	M4049	CSEG
3	46:39.2	715	Brian RUTHERFORD	1/3	3/16	M3039	CSEG
4	48:31.6	682	Louis BLINN	1/6	4/16	M50+	CSEG
5	48:44.2	641	Robert FUENNING	2/4	5/16	M4049	CSEG

Top Female CSEG 10k Results

Place	Gun Time	Race#	Name	Div/Tot	Sex/Tot	Div	Member
1	42:22.2	660	Rhonda JEWETT	1/3	1/9	F-U29	CSEG
2	47:57.0	743	Shirley FLEMING	1/3	2/9	F4049	CSEG
3	48:31.4	623	Sarah CUTTEN	2/3	3/9	F-U29	CSEG
4	49:55.6	669	Amanda KNOWLES	1/2	4/9	F3039	CSEG
5	51:10.1	646	Lorna HAWLEY	1/1	5/9	F50+	CSEG

Top Male CAPL 10k Results

Place	Gun Time	Race#	Name	Div/Tot	Sex/Tot	Div	Member
1	38:58.9	661	Justin KANGARLOO	1/3	1/8	M-U29	CAPL
2	39:20.5	617	Dan CICERO	1/2	2/8	M3039	CAPL
3	40:56.6	609	Dave BRACEY	1/3	3/8	M50+	CAPL
4	41:09.6	680	Christian LINDVED-JENSEN	2/3	4/8	M-U29	CAPL
5	43:18.3	739	Ken YOUNG	2/3	5/8	M50+	CAPL

Top Female CSPL 10K Results

Place	Gun Time	Race#	Name	Div/Tot	Sex/Tot	Div	Member
1	42:12.7	629	Kellie D'HONDT	1/3	1/4	F3039	CAPL
2	47:07.4	639	Jessie FLETCHER	2/3	2/4	F3039	CAPL
3	47:33.4	647	Stephanie HAY	3/3	3/4	F3039	CAPL
4	56:42.5	635	Sandra DRINNAN	1/1	4/4	F50+	CAPL

5K Overall Top 3 Male

Place	Gun Time	Race#	Name	Div/Tot	Sex/Tot	Div	Member
1	19:26.6	428	Richard KELLETT	1/8	1/20	M4049	CSEG
2	20:09.2	423	Barrie DARGIE	1/6	2/20	M50+	CSPG
3	21:01.2	445	Robert MCCOSH	2/6	3/20	M50+	None

5K Overall Top 3 Female

Place	Gun Time	Race#	Name	Div/Tot	Sex/Tot	Div	Member
1	24:54.7	430	Susan GIANG	1/8	1/31	F-U29	CSEG

2	26:00.5	419	Debbie BURKE	1/8	2/31	F3039	None
3	26:39.3	417	Crystal BERTSCH	2/8	3/31	F3039	None

Outreach Report

(Steve Dryer, Outreach Director; Simon Hayes, Assistant Outreach Director)

This is the annual consolidated report of the committees that make up the CSPG Outreach Division. The Outreach Division focuses on University students and public education programs, enhancing the development and delivery of petroleum geology through awards and scholarships, raising the interest and awareness of geosciences students and the public regarding petroleum geology. Major Outreach programs are University Outreach, SIFT, Honorary Address and Earth Science for Society.

Honorary address

Committee Chair: Linden Achen

Committee members: Annette Milbradt, Bob Riopel, Jay Williams, Kyla Poelzer, Marissa Whittaker, Mike DesRoches, Shawn Lafleur, Tom Snedden, Ranald Gault

Topic: **Polar-Exploration-The next generation of Cool Science**

Date: October 26, 2010 at Southern Alberta Jubilee Auditorium

Sponsors: AJM Petroleum Consultants, APEGGA, Boyd Petrossearch, CSEG Foundation, CSPG Trust, Daylight Energy, MGM Energy Corp., Penn West Energy Trust, PetroBakken

The topic of the 2010 Honorary Address was “Polar Exploration-The next generation of Cool Science” and featured scientists working on both poles. Dr. Jacob Verhoef of the Geological Survey of Canada described his teams activities in mapping the Arctic seafloor and the challenges associated with that activity. Susan Eaton shared her experiences as a geoscientist in Antarctica following in the footsteps of Shackleton, 100 years later. Approximately 1500 junior high students attended the morning event with Jacob and Susan. Just over 250 people attended the evening event.

Student Industry Field Trip (SIFT)

Committee Chair: Dawn Hodgins

Committee members: Allan Carswell, Andrea Marsh, Debbie Cook, Denise Hodder, Geoff Speers, Heather Slavinski, Ian DeWolfe, Indy Raychaudhuri, Keith Yaxley, Kate McCutcheon, Meghan Speers, Melanie Regehr, Noel Devere-Bennett, Nate Kreiger and Andrew Cook

Major sponsors:

SIFT was held this year from April 30 to May 14, 2011 with 32 students from across Canada in attendance. The usual suspects of Kevin Root, Clint Tippet, Bill Ayrton and Peter Fermor along with Ryan Marshall, Allan Carswell, Eva Drivet, Lisa Griffith, Marian Hanna, Glen McCrimmon, John Hogg, Marian Warren, Brian Tuffs, Mike Blair, Lisa May, Don Henderson, Kurt Turcan, Darren lee, Malcolm Wilson and Peter Leliveld provided the students with an extraordinary opportunity to experience the spectacular geology of the mountains and a hands work with the subsurface data used by petroleum geologists. This two week event gives an 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.

Earth Science for Society (ESfS)

Committee chairman: Ric Wierzbicki

Committee members: Marissa Whittaker, Hassan Odhwani, Aileen Lozie, Annette Milbradt, Helen Isaac, Jeff Packard, Bob Parker, Ranald Gaunt, Kyla Poelzer, Tom Snedden, Fran Haidl, Mike Rogers, Amanda Knowles

Sponsors: Canadian Natural Resources, ConocoPhillips, Marathon, CSPG Trust, CSEG Foundation, APEGGA, EnCana, Devon, Canadian Society for Unconventional gas, Tesla Exploration, Cabra Consulting

Earth Science for Society was run during the Annual Convention from May 8-10 with hands-on experiences at around 20 exhibits at four pavilions with the themes of: Resources and You, Energy for Us, One Dynamic Earth and Our Future. Over two thousand Junior high students from 20 schools were bused in for the event. The CSPG display, designed by Denise Hodder, showed students the various factors which determine oil or gas accumulations and their economic significance.

University Outreach

Committee co-chairs: Mark Radomski and Aaron Grimeau

Committee members: Amanda Perrot, Chad Glemser, Cole Webster, Colleen Flynn, Darin McBeath, Denise Hodder, Garrett Quinn, Jonathan Cribb, Jacey Seebach, Jane Marzetti, Jean-Francois Gagnon, Justine Sagan, Markus Ebner, Kyla Bishop, Mark Rabin, Sandra Rosenthal, Tannis McCartney

The University Outreach committee (with the exception of SIFT) is responsible for acting as the official liaison between the CSPG and those Canadian Universities offering an Earth Science program. The committee works with supporting student conferences, coordinating CSPG lecture tours to the universities, encouraging student membership in the CSPG, running a 1-day summer field trip,

Student Conferences

The University Outreach Committee had a busy year. It sent 2 representatives to each of the 3 major Canadian student-organized earth science conferences: the Atlantic Universities Geologic Conference (AUGC), hosted by Acadia University at the end of October 2010; the Western Inter-University Conference (WIUGC) hosted by Brandon University in early January 2011; and the Advances in Earth Sciences Research Conference (AESRC) hosted by Carleton University at the end of March 2011. These conferences are completely student-run, and showcase the most recent research by both undergraduate and graduate students. All three conferences are supported financially by the CSPG for approximately \$1,000 each. The UO delegates act as judges and give out a number of different awards for talks and posters that are petroleum-geology related.

The winners of student conference awards from September 2010 to August 2011 were:

AUGC – Frank Ryan, Memorial University, Best Petroleum-Related Presentation - “Early Jurassic Gordondale Member – Shale Gas Potential and XRD, Wireline Log and TOC Analysis”

WIUGC – Carolyn Currie, University of Alberta, Best Petroleum-Related Presentation - “Clearwater Formation, Cold Lake Oil Sands Deposit: Estuarine Incised Valley Complex?”

AESRC – Mike Tilston, University of Ottawa, Best Paleontology, Sedimentology and Stratigraphy talk – “The Role of Grain Size on Flow Structure and Concentration Profiles in Sediment Gravity Currents”

Each of these awards comes with a cash prize and an ammonite on a stand with an engraved plaque.

In May, UO sent several representatives and sponsored a table at the Alberta Student Energy Conference (ASEC) held in Calgary. The aim of ASEC is to bring together students in geology, geophysics, engineering and business from the Universities of Calgary, Alberta and Mount Royal for a 1-day conference in Calgary to meet with industry representatives for a series of talks and an evening networking event.

Lecture tours

There were 2 lecture tours from September 2010 to August 2011 that were organized by the University Outreach committee. These were:

“The Recognition and Exploitation of Fracture Systems in a Carbonate Reservoir”

Speaker: Dr. Paul Mackay, Shale Exploration Ltd.
Dates: September 2010
Universities attended: McMaster, Toronto and Queen's

"Field work in the Eocene Carbonates of the Zagros Foothills, Northern Iraq"

Speaker: Dr. Jeff Packard, Talisman Energy

Dates: November 2010

Universities attended: McGill and Universite du Quebec a Montreal (UQAM)

The University Outreach committee would like to extend many thanks to Paul MacKay and Jeff Packard for their efforts in creating high-quality talks, and donating their time. We would also like to thank their respective companies for allowing them to share their research with the next generation of geoscientists that will be coming out of Canadian Universities.

Summer Student Field Trip

Each year, the UO committee organizes a 1-day geological field trip for CSPG student members who are working in Calgary for the summer. We are well aware that the petroleum industry in Calgary attracts students from across the country, many of whom are unaware of the world-class outcrops and geological heritage that is within a day's drive of the city.

The 2011 CSPG Summer Student Field Trip was held in June, and saw twenty-nine students spending the day learning about some key stratigraphy of the Bow Valley from trip leader Doug Cant, of Doug Cant Geological Consulting.

The field trip went from Calgary to Banff with three major stops. The day started with an overview of the foreland basin and its relation to the Front Ranges from inside the Triangle Zone. After a brief stop to discuss the McConnell Thrust on Mount Yamnuska, the first major stop was the "Seebe" Dam. At the second major stop the group hiked up to Grassi Lakes to explore the Southesk Formation. The final outcrop visited on the trip was at the Banff "Traffic Circle," where the participants were able to walk the section and see the Fernie-Kootenay transition close at hand. Thanks to Doug Cant for leading the trip, and his ability to emphasize the link between not only the geology of the Bow Valley with the petroleum industry, but also the relevance of the regional tectonics.

Communications Report

(Jim Barclay, Communications Director; Stephen Hubbard Assistant Communications Director)

Bulletin of Canadian Petroleum Geology

Committee Chairs: Denis Lavoie and Robert MacNaughton

Committee Members: Denise Then, Richard Evoy

Three issues of the *Bulletin of Canadian Petroleum Geology* were published between September 2010 and August 2011: Volume 58, numbers 2, 3 and 4. These issues contained sixteen papers, totalling 340 pages (not including end-matter, award citations, etc.). A special issue on "Applications of Ichnology to Petroleum Exploration" (Vol. 58, no. 2) was guest-edited by J.-P. Zonneveld, Murray Gingras, and James MacEachern. Other subjects covered included diagenesis, various aspects of stratigraphy, structural geology, reserve estimation, and seismic interpretation. Studies spanned Canada from east to west, including one report from "north of 60", and one paper dealt with rocks in the northern United States. We continue to be proud of the way the *Bulletin* reflects petroleum geology across Canada.

Scientific editing of the *Bulletin of Canadian Petroleum Geology* is a volunteer undertaking, involving two Editors-in-Chief and twenty-four Associate Editors. CSPG pays for the services of a Managing Editor (Denise Then), Production Editor (Beverly Ross), and Layout Editor (Kathy Joslin). At the CSPG office, Caitlin Young coordinates publication on the Members-Only section of the CSPG website, through GeoScienceWorld and AAPG Datapages, and in a limited number of hard copies.

Timely publication has continued to be an issue, with no issues dated 2011 published during the reporting period. The closure of the CSPG office during the office move was a key reason for this. Another issue is that although the number of submissions remains roughly the same, the number of rejections has increased. This has made it harder to meet our goal of having at least five papers per issue. As of this writing (January, 2012), we are well on the way to being back on schedule, although our concerns about contribution numbers and quality remain.

As was mentioned in last year's report, the Editors have discussed introducing new paper series to the *Bulletin*. We have nearly finalized this project and the new paper series will be introduced during 2012. This will be part of our celebration of the 60th volume of the CSPG's journal, which will be the 50th volume published as the *Bulletin of Canadian Petroleum Geology*. During the anniversary year, we also plan to introduce a modernized look for papers published in the *Bulletin*. We are open to other suggestions for ways to celebrate as well!

Reservoir

Committee Chair: Ben McKenzie

Committee Members: Colin Yeo, Anne Hargreaves, Tracey Jungwirth, Michele Innes

The Reservoir Committee for 2011 consisted of Technical Editors Ben McKenzie and Colin Yeo, Coordinating Editor Caitlin Young, 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 Steve Hubbard (2011 Assistant Communications Director). Curtis Evans is the 2012 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.

In 2011, there were several technical article series in the Reservoir. These included:

Petrophysical aspects of log interpretation for unconventional reservoirs (R. Crain – Unicorns in the Garden of Good and Evil)

Shale Gas (R. Aguilera, C.R. Clarkson, P.K. Pedersen, and R.J. Spencer)

Analysis of Fractures in Petroleum Reservoirs (P.A. MacKay)

Understanding Reserves and Resources (C. Yeo and L. Derochie)

As well, there were many (non-series) articles provided by Phil Benham (and his many cohorts in the 'Go Take A Hike' articles), Anne Hargreaves, Mir-Yusif Mir-Babayev, Garrett Quinn, and Tom Sneddon.

Website

During 2011, CSPG amalgamated a new website with its member database, allowing staff to update daily website changes. CSPG is using ASICanada to oversee its iMIS platform and WCM website.

Geological Calendar

Committee Chair: Markus Ebner

Once again, the calendar has been filled with stunning images from around the globe, illustrating geology as seen by our members. Among the highlights this year, vividly colored Devonian sandstones from Western Australia's Bungle Bungle Range. This shot by Rhea Karvonen shows distinctive beehive-shaped domes that were first seen by western eyes only in the 1980's. Geological splendor of Newfoundland's rugged coast is illustrated with a photo of the near vertically dipping Rencontre Formation of Grand Banks of Erlangga Septma. And, the small scale is brought large in Markus Ebner's image of a trilobite fossil preserved for half-a-billion years in the Burgess Shale in British Columbia.

As with previous years, the same panel of judges that selects the 12 images for publications also chose the winners of our photo contest for the "Best Photo", and for this year, 'Best Macro Photo.' Winner of the "Best Photo" goes to Michael Lam for his stunning shot of the Giant's Causeway in County Antrim, Ireland. This long exposure coastal shot of some of the 40,000 massive black basaltic columns was chosen for its stunning imagery and significant geological interest. For the "Best Macro Photo", Hamid Farid wins for his portrayal of the Exshaw shale. Shot at a high angle with good use of depth of field, Hamid was able to capture the range of oxidation colors that are present on this exposed surface found along Jura Creek near Canmore, Alberta.

Congratulations to both Michael and Hamid, who will both receive prize money of \$200. Also, congratulations to our other photographers whose photos made it into the calendar, all of which will be available on the CSPG website as downloadable wallpapers.

Thanks also to Shannon Acton, Adam Westlake, Don Yep, Erin Linley, Derrick Budden, Justine Sagan, Aaron GRimeau, Markus Ebner, Jorge Marzetti, Andrea Currie, and Mark Dzikowski for lending their geological and photographic knowledge to the judging panel and making this year's selection process as enjoyable as ever.

Index of Publication

Committee Chair: Peter Hay

Committee members: Michele Innes; Barrie Dargie; Regina Shedd; Riona Freeman

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.

Four new members joined the Index Committee over the past year and new members are always welcome. Meetings to select appropriate keywords from recent CSPG Bulletins and Reservoir papers are held at the CSPG Office over the noon hour every three to four weeks, and expand geological knowledge by providing increased familiarity with CSPG publications.

North American Commission on Stratigraphic Nomenclature

Committee Chairs: Brian R. Pratt and Octavian Catuneanu

The 66th Annual meeting was convened on October 10th, 2011 in conjunction with the Geological Society of America National Meeting Minneapolis, Minnesota. The primary topics of the meeting included:

- 1) Status of French Translation of the Code
- 2) Status of Amendment to Code on Intrusive Complexes
- 3) Task Group on Impact of New Definition of the Pleistocene
- 4) Report on AGI Membership Council Meeting, Houston, 2011
- 5) Co-sponsored GSA Topical Sessions (lessons from T46 and T101)
- 6) A Sequence Chronostratigraphic Designation System

The NACSN website is hosted by the American Geological Institute: www.agiweb.org/nacsn The latest (2005) edition of the North American Stratigraphic Code (*AAPG Bulletin*, v. 89, p. 1547–1591) can be downloaded for free (via the U.S. Geological Survey website). The ICS geological time scale and other materials can be accessed at: www.stratigraphy.org

GeoConvention

Steering Committee	
General Co-Chair (CSPG)	Paul MacKay
General Co-Chair (CSEG)	Rob McGrory
General Co-Chair (CWLS)	Satyaki Ray
Technical Committee	
Technical Prog. Chair (CSPG)	Per Kent Pedersen
Technical Prog. Chair (CSEG)	Laurie Bellman
Technical Prog. Chair (CWLS)	Simon Corti
Technical Prog Communications	David Clyde
Technical - Posters	Darren Singleton
Awards & Judging	Grant Spencer, Elaine Honsberger
Organizing Committee	
Exhibits	Judi MacDonald
Finance	Doug Bogstie
Marketing (Media)	Aileen Lozie
Public Outreach	Rick Wierzbicki
Special Events	Kristi Gartner
Sponsorship	Carmen Swalwell

Core Conference	Rudy Strobel
Sub Committee Coordinators	
Posters Committee	Igor Seneh, Melissa S
Core Committee Co-Chair	Khalis Newaz
Core Committee	Arman Sunaryo
Special Events	Claudia Ling, Kristin Benoit, Heather Wright
Marketing Committee	Aliyyah Mohammed
Public Outreach	Michelle Surrette, Schminder Bhathal
Exhibits Committee	Matt Naiden, Tim Morrish, Marin Dawe

With another convention successfully completed, the general co-chairs of *recovery 2011* thought you might be interested to know how things shaped up this year.

With several new changes being introduced this year, including a new venue, a new technical program format and a new exhibit floor, this year's organizing committee did an amazing job ensuring these new changes worked in the conventions favor.

The decision to move the convention back to the Calgary TELUS Convention Centre was determined in 2009 and the move to a new venue proved successful. The Convention Centre staff was extremely helpful and the central location was appreciated by delegates in attendance.

The exhibit floor was bustling and exceeded budget, sponsorship dollars exceeded budget and delegate registration numbers rivaled that of last year's GeoCanada convention with 4,400 registered attendees at *recovery 2011*.

Looking at the numbers, this year's convention saw 366 technical presentations including 83 posters, 16 core conference presentations and 267 technical talks spread out through 31 sessions over 3 full days. Total revenue (unaudited) was \$2,022,541.36, total expenses (unaudited) were \$1,120,628.62 leaving a profit (unaudited) of \$901,912.74 to be distributed to the participating societies.

This year's special events included 2 keynote luncheons from Dr. Michael Economides and John Furlong. Both were extremely well received and well attended. The Monday Night Icebreaker which marked the opening of the exhibition floor was well attended and the Tuesday Night Networking Reception took place at the Hyatt Regency and featured amazing food and marked the close of the Silent Auction in support of Light Up the World that raised over \$13,000! The Core Meltdown at the Core Research Facility was a great way to close the convention and was well attended.

Earth Science for Society (ESfS) took place again this year and was an overwhelming success. Over 2,200 students perused the exhibits including Gold Panning with Yukon Dan and Fossil Finding with Burgess Shale over 2 days and over 2,000 people attended the general public day on Sunday.

Of course, the success of the convention wouldn't have been possible without the help of our dedicated organizing committee, session chairs and volunteers. On behalf of myself, Paul MacKay, Rob McGrory and Satyaki Ray, we'd like to thank each of you for your hard work, dedication and enthusiasm shown at the convention and in the days and months leading up to the convention. Our success wouldn't have been possible without each of you.

Award Recipients – *recovery 2011*

We would like to congratulate the following *recovery 2011* presenters and award winners:

Best Student Core Presentation

Ross Kukulski – *Stratigraphic Architecture of the Monach Formation (Nikanassin/Minnes Group)*

Julianne Fic – *Reservoir Architecture of the Cardium Formation in East Pembina, Alberta*

Best Core Presentation

Best Runner-Up Student Core Presentation

Dennis Meloche – *How Deep is Shallow? Re-evaluation of Depositional Models for the Jurassic Nordegg and Rock Creek Members of the Fernie Group*

Best Geological Student Poster

Julianne Fic - *Reservoir Characterization of a Tight Oil Play of the Middle Jurassic Upper Shaunavon Formation Member in the Whitemud and Eastbrook Pools - SW Saskatchewan*

Runner-Up Geological Student Poster

Dallin Laycock - *Clinof orm architecture of a shale dominated succession in the Cretaceous Colorado Group, Central Alberta*

Best Geophysical Student Poster

Karol Rohraff - *Application of the signal correlation for the construction of age models of Lake Baikal sedimentary records*

Runner-Up Geophysical Student Poster

Winnie Pun - *Geophysical time series data from a stressed environment*

Best Geological Poster

Tiffani Fraser - *Preliminary results from a diamond drill hole study to assess shale gas potential of Devonian strata, Eagle Plain, Yukon*

Runner-Up Geological Poster

Dr. Chris Schneider - *Effects of Prairie Formation Salt Dissolution on the overlying Waterways Formation in Northeastern Alberta*

Best Geophysical Poster

Khalid Miah - *Fractional Fourier Transform in Coherent Noise Attenuation*

Runner-Up Geophysical Poster

Azer Mustaqeem - *Unraveling Cardium Tight Sand Paleo-depositional Trends and Subtle Structural Features using Seismic Reservoir Characterization*

Best Petrophysical Poster

Kris Vickerman – *Measuring Minor Structures in Borehole Image Logs*

Best Geological Oral Presentation

Dr. Juergen Schieber - *Shifting Paradigms in Shale Sedimentology - The Implications of Recent Flume Studies for Interpreting Shale fabrics and Depositional Environments*

Best Student Geological Oral Presentation

Norka Marcano - *Using Produced Oil Molecular Composition to Monitor In Situ Upgrading Operations in Oil Sands & Heavy Oil Reservoirs*

Runner-Up Student Geological Oral Presentation

Sean Fletcher - *Characterizing Depositional Elements of a Deep Water Channel Complex using Quantitative Metrics, Tres Pasos Formation, Southern Chile*

Best Geophysical Oral Presentation

Chris Kennett - *The Sleipner CO2 4D Story: 15 Years of CO2 Storage and Seismic Monitoring*

Best Student Geophysical Oral Presentation

Helen Yam - *CO2 Rock Physics: A Laboratory Study*

Runner-Up Student Geophysical Oral Presentation

Nadia Kreimer - *Evaluation of a New 5D Seismic Volume Reconstruction Method: Tensor Completion versus Fourier Reconstruction*

Best Petrophysical Oral Presentation

Dr. Joel Walls - *Eagle Ford Shale Reservoir Properties from Digital Rock Physics*

Best Student Petrophysical Oral Presentation

Andrew Wiseman - *The Montney Formation: Mineralogy, What Shall it Be?*

Best Integrated Oral Presentation

Jerome Biollo & Jeff Allison - *Cracking the Cube' - Understanding of Frac Barriers in Horn River Basin Shales, Horn River Shale Play*

Educational Trust Fund

CSPG Trustees: Claus Sitzler, Chair; Peter Harrington, Treasurer; Dan Krentz, Secretary; Alice Payne, Government Fundraising Director (resigned); John Hogg, Individual Fundraising Director; Steve Dryer, CSPG

Liaison - Outreach Director; John Cuthbertson, Trustee; Clint Tippet, Trustee; Robin Mann, CSPG Vice President; Bruce McIntyre, Trustee; Simon Haynes, CSPG Liaison – Assistant Outreach Director

I would like to provide our stakeholders with an annual update for 2011 as well as some guidance on the direction the Trust intends to take over the next several years.

On behalf of the CSPG Educational Trust Fund (Trust) I would like to take this opportunity to express a sincere thank you to those individuals and corporations that have supported the Trust over the years through their participation, contributions and dedication to our shared vision.

Over the last year the Trust received donations of \$39,413 from both individual and corporate donors. This amount includes sponsorship contributions that have been directed towards specific programs such as the Student Industry Field Trip, Honorary Address, and the new Earth Science for Society program. The Trust's fund is managed by The Calgary Foundation and had a value of \$1,176,595 at year end (August 31, 2011). The fund increased in value by \$24,789 after \$14,808 in management fees and a capital withdrawal of \$30,000 during fiscal 2011.

The Trust's mandate is to inspire individuals to pursue a career in petroleum geoscience through the funding of innovative, informative educational programs. A growing demand for energy, declining production of petroleum, and our aging demographic require an increasing number of qualified petroleum geoscientists. To address these challenges, the Trust recognizes the need to support programs that promote both community awareness of petroleum geology and the impact geoscientists have on almost every facet of our society.

In order to identify a career in petroleum geology as an option we must touch individuals at various stages during their education. The Trust will allocate a large portion of its efforts towards university geoscience students and their faculties. In addition to university students, the Trust will also direct a portion of its support to public education at the K-12 level, as well as, general public awareness of our profession.

The major university initiative to date, the Student Industry Field Trip (SIFT), has been extremely successful in attracting young, enthusiastic geoscientists into our industry. The CSPG with the support of the Trust has significantly increased student membership. We are now nearing 600 CSPG student members across Canada, a dramatic increase from recent years. To solidify these gains we need to expand the visiting lecturer program so that the new members get a direct visit from a CSPG member in industry to gain insight into our exciting profession.

The Trust supports general public education and K-12 education with funding directed to various educational science programs. In order to receive funding from the Trust, each program must make application and meet criteria specific to raising awareness of petroleum geoscience. The Trust supported educational programs are the National EdGEO workshop program for teachers (\$12,500), the educational initiatives of the CSPG joint Recovery 2011 convention (\$5,000 towards Earth Science for Society), CSPG University Outreach (\$2,000), Ph.D. and M.Sc. Thesis awards (\$5,500), Andrew Baillie award (\$1,000), Honorary Address (\$4,000), Salt Spring island geology field trip (invoiced after year end), and the Calgary Youth Science Fair (\$610). In addition, the Trust continued its support of the Glen Ruby Scholarship program. The Trust's challenge to date has been its limited ability to provide funding to all of the worthy programs that apply for the Trust's support and the ability to extend its funding to more national scale programs. The Trust would like to help the CSPG attend more career fairs than their Outreach budget currently allows. This is an important time to reach students when they are actively looking at their career choices.

With continued individual and corporate support, the Trust has the ability to fund its current programs. To expand upon this current program list, the Trust's Board and the CSPG Executive have identified a number of university outreach, K-12, and public educational programs that will require additional funds.

Please consider the Trust in tax planning initiatives or in your will to keep the Foundation of your society strong now and in the future.