

**CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS  
2006-2007 REPORT OF ACTIVITIES**

**2007 Executive Committee**

Colin Yeo, President  
Lisa Griffith, Vice President  
Jim Reimer, Past President  
Peter Harrington, Finance Director  
James Donnelly, Assistant Finance Director  
Nadya Sandy, Program Director  
Randy Rice, Assistant Program Director  
Dave Newman, Service Director  
Jennifer Vezina, Assistant Service Director  
David Middleton, Outreach Director  
Greg Lynch, Assistant Outreach Director  
Ashton Embry, Communications Director  
Peggy Hodgkins, Assistant Communication Director  
Monty Ravlich, Corporate Relations Director

**PRESIDENT'S REPORT**

(Colin Yeo, President)

I am pleased to report that the CSPG is very strong financially, technically and operationally. Through the hard work of our volunteers and office staff, we have posted record revenues and have run very successful programs of interest to our members. While the main purpose of the Society is to advance the science of petroleum geology and develop our members professionally, the Society accepts its responsibility to recruit a new generation of petroleum geoscientists by reaching out to those university students who express an interest in our profession and encourage them to enter our industry.

**Membership**

This year, membership count remained steady at 3100 individuals of whom 2710 were active members. 80% of our active members reside in Calgary.

**Financial Position**

This year, we achieved record revenues of \$2.6MM, although we did run a small deficit of \$27k because of missed accruals and delayed invoicing. We are confident that we can continue to operate with a strong financial foundation, vigilant in controlling the costs of the Society. We are committed to practicing financial discipline.

**Programs**

Our annual Convention, "Let It Flow", was attended by over 4500 delegates. This joint conference with the CSEG (Canadian Society of Exploration Geophysicists) had several new sessions on alternate energy, business and multi-stakeholder issues. This program expansion into peripheral but related areas is the initial step to providing our members the opportunity to become aware of other associated disciplines within the petroleum industry.

Because our work as petroleum geologists is so very integrated with geophysics and petrophysics, future conventions will be held jointly with our sister societies, the CSEG and CWLS (Canadian Well Logging Society). These conventions will be offering sessions that share tools and techniques used by our colleagues, allowing us to understand their technical and analytical needs while enlightening us as to what we should expect from them. To this end, the Joint

Annual Convention Committee (JACC) has been formed as a true partnership between the three Societies. This committee is responsible for revenues and costs, thus removing a significant operational burden from the CSPG and allowing our partner societies to have more representation in the decision making process. I thank Past President Ian McIlreath for spearheading this effort and serving as the first Chairman of the JACC. Of course, this change means that the CSPG will have to take ownership of its own conferences, most notably the Gussow. A new CSPG conference committee has been established to plan and execute exclusive CSPG conferences.

The thematic Gussow Conference on Arctic Energy Exploration was an outstanding success and was the CSPG's main contribution to the International Polar Year. The conference provided an introduction to the resource potential of the Arctic, an update on recent discoveries and the realities of business in the North. Benoit Beauchamp and Gerry Reinson are to be congratulated on organizing this fine conference.

Our Technical Luncheons continue to attract record numbers. With 19 presentations a year, this is a significant educational service to our members. The Technical Luncheon Committee consistently delivers high quality talks of significant topical interest. Aligned to our goal of providing a broad range of topics to our members, several of this year's presenters spoke on non-technical aspects of the petroleum industry. In fact, our first luncheon of September on the topic of global energy economics was a sell-out.

Technical Divisions continued to provide an inspiring array of presentations within their specialty to our members. These free lunchtime talks are often at the same superior level as technical luncheon presentations. This year, a new Division, Heavy Oil / Oilsands, has been formed, reflecting the increasing importance of bitumen in the basin.

Continuing Education has been a focal point this year in providing niche courses at reasonable cost to our members. As usual, many short courses and field trips are run before and after the convention but this year the Continuing Education Committee held the first Annual Education Week that was very well attended. The Continuing Education Committee will be evaluating available industry courses and matching them to the comprehensive Petroleum Geology Training Matrix to identify gaps and then move to provide courses our members want. The target audience is recent graduates who need immediate training in key multi-disciplinary areas for improved on-the-job performance. Continuing education will be a very important service to our new members in the future.

#### Services

The Membership Committee has identified a number of initiatives to recruit, retain and recover CSPG members and some of these have been implemented with limited success. The recover strategy increased the number of active members significantly this year when renewals had lapsed. The retaining strategy is also working, as overall membership numbers has remained steady. The recruiting strategy will be implemented soon and is designed to capture both experienced geologists who are non-members as well as recent graduates who are just entering the industry. The intent is to increase the number of active members who will be active participants in the Society.

One of the largest impediments to increased membership is the lack of incentives designed to encourage membership. The use of incentives must be carefully considered, as there is the potential to scuttle very successful programs by restricting admission. I think we must appeal more to the hearts and minds of existing and new members and less to their pocketbooks. We also need to remember that simply achieving membership targets is not the goal; rather we want members who will actively participate in all facets of the Society.

The Volunteer Management Committee will be integrated with Membership. The two committees are really a continuum of recruiting members and inviting them to volunteer for the Society. This integration will seamlessly offer the new recruit numerous opportunities for volunteer service. Volunteer Management hosted the annual Volunteer Appreciation Day but this event will not be held next year because of a lack of interest. The Membership Committee will be looking for a replacement celebration to thank our many volunteers who are the foundation of the Society.

The Awards Committee, which is a collective of the various major award committees, continues to do a great job in identifying those members who have made outstanding contributions to the Society in technical or service capacities. The process works well and the nominees are most deserving. In the last several years, major awards have been presented to recipients at technical luncheons spread throughout the first half of the year to ensure they receive an appropriate level of recognition from our membership. However, the delivery of the citation is sometimes rushed and cannot be heard over the din of table chatter. The Awards Committee will be re-evaluating the mechanics of presentations with intent to make them informative and entertaining.

Social Events continue to be very popular with many of our members. This year, we welcome the return of the CPGO (the Canadian Petroleum Geologists' Open, formerly Men's Golf) to the CSPG as a social event. These events are important networking opportunities and they are open to all members. The committees who run these events are to be congratulated for planning, organizing and executing these important activities with precision.

#### Outreach

SIFT celebrated its 30<sup>th</sup> anniversary this year by running another outstanding session for university students from across Canada. This program continues to be our flagship Outreach program and is now fully sponsored financially, a clear indication of the value of SIFT in recruiting new graduates to industry. 32 students, who have never met each other, assemble for three weeks to learn hands-on experience about the oil and gas industry through lectures, field trips and simulated exploration and company building. The SIFT Committee has done outstanding work making this a Society institution.

The Honorary Address was given on November 21, 2007 with keynote speakers Jeff MacInnis and Benoit Beauchamp. Mr. MacInnis spoke on his expedition through the Northwest Passage and Dr. Beauchamp spoke on Arctic research. This is quite appropriate during this International Polar Year. Again, students and teachers oversubscribed the two daytime sessions. The Honorary Address is the primary outreach vehicle that we use to connect to the public.

We again provided financial support to both the Burgess Shale Geoscience Foundation and the Canmore Geoscience Centre. Both of these institutions succeed in making the public aware of geological aspects within the Rocky Mountains. This year, I was most pleased to present the President's Special Award to Randle Robertson for his relentless work in creating and operating the Burgess Shale Geoscience Foundation.

We continue to support student chapters at universities across Canada. This initiative has replaced individual student memberships and is designed to promote the CSPG to students in university as the source of continuing education and professional development. Additionally, the Visiting Lecturer Program is being rejuvenated by sending CSPG members to universities across Canada to make technical presentations to students. Our University Outreach Committees actively participates in university conferences, award graduate and undergraduate regional scholarships and undergraduate awards. Our Graduate Student Thesis Award Committee continues to identify and reward the best work at a graduate level.

We continue to fund a variety of educational initiatives for the kindergarten to grade 12 age group. The intent is to make young students aware of science and high school students aware of careers

in the earth sciences. The Kids in Science Program is a field trip for high school students through the Convention exhibit hall where they learn how science is applied in the petroleum industry.

There will be a number of Special Events planned for the International Year of Planet Earth. We will participate with other groups to celebrate this event.

This year, we have integrated the Public Affairs Committee into Outreach. Now Outreach will be the single public face of the Society. This alignment will allow the Outreach Director to implement specific strategies that will achieve our goals in focused manner.

#### Communications

The *Bulletin* is being published on time and there is currently no backlog of papers awaiting publication. We are trying to increase articles related to case studies and new tools and techniques of value to our members. New strategies need to be developed to help potential authors write and submit material to our *Bulletin*. We continue to hear from our members about the need to publish the *Bulletin* on a CD to eliminate paper copies.

The *Reservoir* is actively soliciting technical articles from leading authorities in industry. A key goal this year has been to provide insights and awareness into other, related disciplines so that geologists are able to assist their work teams with better data and interpretations faster. This goal augments the *Reservoir's* primary purpose of informing our members about the Society and its programs.

The e-newsletter and website provide timely information to our members and are useful for breaking news. Webcasts of technical luncheons provides all of our members around the world access to these presentations.

Planning is underway to convert the Geological Atlas of the Western Canadian Sedimentary Basin to a digital format. A project plan will be submitted in the New Year.

#### Corporate Relations

The Society continues to work closely with our industry partners to make our members aware of their goods and services that are crucial to the productivity of petroleum geologists. These companies sponsor many events and programs and we are grateful for their commitment and generosity.

#### Executive

This year, the Executive Committee changed the way it conducts its governance of the Society. Rather than focusing on operational details, the Executive aimed to implement the 2005 Strategic Plan. We reduced our operational meetings from twice to once each month and each quarter we met to discuss our progress implementing the plan. More responsibility was delegated to our Directors and office staff. The results have been very good. The 2007 Convention met and exceeded all targets with virtually no involvement from the Executive, and the *Reservoir* is expanding and will be delivering more material of interest to our members. Our monthly financial statements have been simplified and have more foresight. The annual budget process has been delegated to Assistant Directors who are responsible for their budgets next year as Directors.

We have strengthened our ties with the CSEG, CWLS and APEGGA. We actively participate and support the Canadian Federation of Earth Sciences (CFES) and we will be cooperating in more programs with them in the future. The Executive will be approaching our reservoir engineering colleagues to join us in a variety of capacities. We are eagerly anticipating GeoCanada 2010 where we will again join other geological societies for a large convention. We continue to explore arrangements with the AAPG as they consider opening an office in Calgary.

The Executive Committee has served the Society well and I thank them for their help and dedication.

I thank the CSPG for the opportunity to serve and I thank my executive, the office staff and all volunteers who make this Society the success it is.

## **FINANCE REPORT**

(Peter Harrington, Finance Director)

It is my pleasure to report to the CSPG membership on your society's fiscal position as of its year-end of August 31, 2007. The CSPG again had a strong financial year while organizing and delivering on a wide variety of technical and social events. The ongoing success of the society is due in no small part to our energetic volunteers with the help and support of our skilled and dedicated office staff.

For fiscal year 2007, the audited financial statements show a deficit of \$27,043. During the audit process last year a total of \$27,358 in net accruals were mistakenly left in fiscal 2006. If those accruals had been properly accounted for, the CSPG would have ended fiscal 2007 with a small (\$315) surplus. We do a conservative annual budget which typically projects a small surplus. This year there were a number of unforeseen and unpredictable circumstances which resulted in some negative impacts on our final numbers. Also, some delays in invoicing will result in some revenues associated with fiscal 2007 events (like the Student Industry Field Trip) being included in next year's financials.

As in past years, one of the main drivers of our society's finances is our annual convention. We had another successful annual convention in 2007 both from a technical as well as a financial perspective. The Annual Convention realized a net profit of \$387,271 to the CSPG, not including profits the Society made on field trips and short courses run during the convention (this year those amounts are included under Continuing Education). It is abundantly clear that without a successful and robust annual convention, the CSPG's finances would be significantly impacted. Fiscal 2008 should provide another strong convention year for the CSPG with the planned joint annual convention along with the recently completed Gussow Conference.

Continuing Education continues its resurgence and posted a profit during fiscal 2007 of \$79,877, up from last year's profit of \$65,146 and from the fiscal 2005 profit of only \$1,051. Continuing Education is now coordinating the field trips and short courses during the Annual Convention as well as at other times throughout the year. 2008 should be another successful year for our education efforts as we have now added an annual CSPG Education Week in late October.

Technical Luncheons showed a strong increase in attendance during fiscal 2007. Profits from Technical Luncheons remain relative low however (\$4,871 in net income during fiscal 2007 from revenues of \$462,774) as the technical luncheons are budgeted with a fairly low profit margin. The loading of webcast versions of our luncheons on our website costs \$45,000-\$50,000 per year but are an important part of the CSPG's efforts to market ourselves to our members who reside outside of southern Alberta and thus represents a good investment for the CSPG.

CSPG membership increased during fiscal 2007 thanks to the efforts of the Membership Committee supported by our office staff. We ended the year with membership income of \$323,680, up 1.4% from last year's total. The CSPG has not raised its annual dues since 2002 thanks to the monies provided by such efforts as the Annual Convention, Continuing Education, and the *Reservoir* along with the conservative financial planning strategy carried out by the society.

The CSPG *Reservoir* showed a profit of \$82,584 during fiscal 2007, down from \$95,182 in 2006 and \$103,707 in 2005. The society is planning for a larger *Reservoir* in the future with additional

technical content (we have already seen some of the enhancements in recent editions of the *Reservoir*) which should also result in additional profits.

The CSPG's various social events are budgeted to run at a small profit in order to help cover the overhead costs carried by the society to run these events (office costs, staff costs related to sponsorships and ticket sales, etc). We are able to run a broad range of social events at a reasonable price to our members and these events are a key part of our society's contribution to the industry and our profession.

Outreach has been a growing part of our society's efforts and expenditures over the last number of years. As we raise more money through sponsorships as well as through the efforts of the Annual Convention, Continuing Education and the like, much of the excess resources have been channelled into outreach efforts. Outreach expenditures totalled \$154,078 in fiscal 2007, up from \$143,602 last year. Our efforts in this area will continue to grow in the future with the addition of new programs including the 100 Student Jobs and K-12 Education initiatives.

The CSPG's largest single expense category is office overhead or "Operations", which in fiscal 2007 totalled \$803,435. The oil industry has changed and what could be done by volunteers in the past now has to be handled through the office. Also, we could not have realized our significant increases in the technical and financial results of our Annual Convention (to give just one example) without the work of our office staff. Our increased office presence has allowed us to grow many areas of our society, including sponsorship and advertising, which has allowed us to keep membership dues constant while increasing various activities including outreach. All in all, our investment in our office staff has been money well spent for the CSPG.

In order to protect our society from unexpected events, we maintain a surplus fund (this is not to be confused with the CSPG Trust which is used to fund both CSPG outreach activities along with other general philanthropic efforts). The CSPG surplus fund had an estimated market value of \$1,017,057 on August 31, 2007, an increase of 2.43% over last year's total. While that sounds like a lot of money, it represents less than 40% of our expenses for fiscal 2007. We completed a review of our surplus fund during 2007 and did not recommend any changes to our investment portfolio or to the size or rationale behind the fund itself.

My job as your Finance Director would not have been possible without the help of many individuals. The entire CSPG office staff is to be commended for their support of all the CSPG's efforts, and I'd like to personally thank both the Business Manager, Tim Howard, as well as Kim MacLean (Corporate Relations) for their help and assistance to me throughout the year. I'd also like to thank the entire CSPG Executive for their support of my work. Any individual builds on the work of his/her predecessors and hands off to their successors. I'd like to thank Marty Hewitt, the previous Finance Director, as well as James Donnelly who will be succeeding me, for their help over the past two years. I know the society's finances will be in good hands under James' stewardship over the next year.

## **PROGRAM REPORT**

(Nadya Sandy, Program Director)

### ***Committee on Conventions***

Co-Chairs: Tony Cadrin and Ian McIlreath.

Committee Members: Alexis Anastas, Matt Caddel, Shauna Carson, Erin Crerar, Jon Dudley, Steve Grasby, Tony Hamblin, Doug Hamilton, Lori Humphrey-Clements, Kris Jewett, Scott Leroux, Randy Rice, Cynthia Riediger, Nadya Sandy, Tanya Santry, and Marian Warren.

The CSPG Committee on Conventions works on a three-year forward cycle for initiating, planning and coordinating the Society's annual joint conventions and major technical conferences, like the Gussow Conference. In recent years the enormous success we have had from all these events is largely the result of the collaborative work of our volunteers on the different organizing

committees with our dedicated office support staff. This past year our support staff consisted of Shauna Carson, Lori Humphrey-Clements and Tanya Santry.

The 2007 CSPG CSEG Annual Convention in May, based on the theme "Let it Flow", was co-chaired by John Varsek (CSPG) and John Townsley (CSEG). John Cody was the CSPG Technical Co-Chair. It was an outstanding success. The two societies will be joined by the CWLS in 2008. The 2008 Co-Chairs are Bruce Shultz (CSPG), Brian Glover (CWLS) and Tooney Fink (CSEG). Scott Leroux is the CSPG Technical Co-Chair and the theme is "Back to Exploration." Mike Cecile (CSPG) and Mike Jones (CSEG) will co-chair the 2009 Convention along with a yet to be named representative from the CWLS. Kevin Root is to be the CSPG Technical Co-Chair. Initial planning is also now underway for GeoCanada 2010.

The 2007 Gussow Conference on Arctic Energy Exploration: Present and Future Development was co-chaired by Benoit Beauchamp and Gerry Reinson. The CSPG is currently working with the GAC (Geological Association of Canada) to do a joint Gussow-Nuna Conference in 2008 on the Geoscience of Climate Change to coincide with the United Nations' Year of Planet Earth. The 2009 Gussow Conference will be chaired by Steve Larter and will focus on Heavy Oil and Bitumen. There was one additional special technical event that ran last fall as a mini-field conference by the CSPG Structural Division: "Lateral Structural Changes in Thrust Belts," chaired by Elizabeth Atkinson.

Over the course of this year there has been a significant change in the make-up and roles and responsibilities of the Committee on Conventions. Earlier in the year the CSEG formally joined the committee, as did the CWLS just before the summer. Subject to a few details being worked out between the Executives, the CSPG Committee will be replaced by a new CSPG-CSEG-CWLS Joint Annual Convention Committee responsible for all aspects of the Annual Joint Convention. The initial committee will consist of three representatives from the CSEG, three representatives from the CSPG and one representative from the CWLS. The first chair will be from the CSPG. The former CSPG Convention staff will now report to the Chair of this committee. As such, this will be the first joint business committee of the three societies. In coming on board, the CWLS will now participate on a yearly basis instead of every other year. Also, the current five year agreement between the three societies for joint conventions has been formally extended for another five years (2011-2015).

A new CSPG Conference Committee will be formed to look after the Gussow Conferences going forward. In addition, they will look after any other specialty technical conferences that the CSPG as a singular entity is invited to participate in by another organization. They will also evaluate any requests by other organizations seeking sponsorship or conference help.

#### ***Technical Luncheon Committee***

Committee Members: Tony Cadrin, Riona Freeman, Kristie Lee, Kevin Meyer and Chris Seibel.

The Technical Luncheon Committee hosted 19 talks during the 2006/2007 season on a wide variety of topics ranging from international to local interests, and highly technical to general interest. The presentations and attendance numbers are listed below. A total of 14,114 tickets were sold for the 19 technical luncheons presented from September 7, 2006 to June 19, 2007 for an average attendance of 743 per lunch. All of this season's luncheons were hosted at the Calgary Telus Convention Centre and catered by the Marriott Hotel.

All but one technical luncheon was webcasted by Ron MacLean of Wild Horse Entertainment Inc., and we continued to use APEX Audio Visual Services to provide technical support for our luncheons. The number of hits to our webcast server averages 1400 per month.

The committee would like to acknowledge its speakers for the 2006/2007 season that provided a diverse and high quality technical program throughout the year. Special thanks go to the AAPG Distinguished Lecture Program for providing excellent visiting speakers. We would also like to

extend our appreciation to our corporate sponsors, the CSPG office staff, and CSPG member volunteers. The Technical Luncheon Program would not be possible without your active support.

Many exciting talks are currently being planned for the 2007/2008 season and we hope to continue to deliver a variety of excellent presentations to the CSPG membership.

Over the past year, one of our longer serving committee members, Tony Cadrin, has moved on to be Co-Chair of the Committee on Conventions. We would like to thank Tony for all his years of excellent service and wish him good luck in the future.

#### 2006/2007 Technical Luncheon Talks and Attendance

September 7, 2006

Per Kent Pedersen

“Unconventional Shallow gas - a Geological Point of View”

Attendance: 645

September 19, 2006

Lori Meyer

“Internal Architecture of Basin-Floor Facies of an Ancient, Passive Margin Turbidite System, Upper Kaza Group, Windermere Supergroup, British Columbia”

Attendance: 550

October 12, 2006

Ashton Embry

“Episodic Global Tectonics: Sequence Stratigraphy Meets Plate Tectonics”

Attendance: 667

October 26, 2006

Henry W. Posamentier

“3D Seismic Expression of Carbonate Depositional Systems”

Attendance: 765

November 7, 2006

L.K. Kreis & M. Yurkowski

“Emerging Plays in Saskatchewan: Shallow Gas and the Bakken and Torquay Formations, Southeastern Saskatchewan”

Attendance: 774

November 11, 2006

Mike Finn

“Commercial CBM Production at Corbett Creek - From Resource to Reserves”

Attendance: 799

December 7, 2006

Alan V. Morgan

“The Great Asian Tsunami and its Aftermath”

Attendance: 965

January 18, 2007

Graham R. Davies

“Structurally-Controlled Carbonate Diagenesis: Hydrothermal Dolomite and Leached Limestone Reservoirs”

Attendance: 880



January 25, 2007

Andrew D Miall

“Tectonic and Climatic Forcing Of High-Frequency Sequence Stratigraphy: Processes and Products in Fluvial Environments”

Attendance: 841

February 8, 2007

Philip J. Currie

“Mongolian Dinosaurs”

Attendance: 829

February 20, 2007

Timothy Dixon

“Hurricane Katrina and New Orleans: Subsidence Measurements from Space”

Attendance: 832

March 6, 2007

Steven Bachtel

“Siesmic Stratigraphy of the Miocene-Pliocene Segita Platform, East Natuna Basin Sea Indonesia”

Attendance: 584

March 20, 2007

Jacob B. Lowenstern

“Intrusion, Deformation and Degassing at the Yellowstone Caldera”

Attendance: 630

April 10, 2007

Matt Dymond

“You Can't Always Get What You Want”

Attendance: 782

April 24, 2007

Stephen Hubbard

“Turbidite Sedimentology and Stratigraphic Architecture in a Gas-Prone Foreland Basin”

Attendance: 730

May 10, 2007

Henry Lyatsky

“Sedimentary Basins Offshore Western Canada and Their Petroleum Prospects”

Attendance: 695

May 29, 2007

Marian J. Warren

“How we made a High-impact Gas Discovery in a Maturing Basin (Western Canada)”

Attendance: 828

June 5, 2007

Mark Cooper

“Structural Style and Hydrocarbon Prospectivity in Fold and Thrust Belts: A Global Review”

Attendance: 779

June 19, 2007

Heather Douglas

“Good Help Isn't Hard to Find... It's Nearly Impossible”

Attendance: 539

### **Continuing Education Committee**

Co-Chairs: Krista Jewett and Travis Hobbs.

In the 2006-2007 year, the Education Committee's big challenge was to fully integrate short courses and field trips into the CSPG Annual Convention, and for the first time, to offer a range of short courses over a week in October-November for the First Education Week. We offered 18 short courses and field trips during the Annual Convention, only one of which had to be cancelled. One course was specifically run for students, and another course was specifically run for exhibitors (Exploration 101). One field trip was in the fall and seven short courses were planned for Education Week (October 29 – November 2, 2007) for a total of 26 education opportunities for the 2007 calendar year!

All education events now offer registration on our website, either on the Education pages or through the Annual Convention link for convention-related courses. We hope that when planning professional development, members will visit our website to see what their society offers in educational resources. Please, let us know of your requirements, ideas and comments.

We have also made progress regarding safety and liability, and are also continuing to streamline our processes in a more efficient manner for 2008. We can offer instructors a comprehensive safety and insurance package for both field trips and short courses, while course participants and employers can be reassured that the Society has done its due diligence in this area. Safety and insurance are part of a package that includes advertising (website, *Reservoir*, technical luncheons), booking venues and logistics, as well as fair remuneration that the CSPG offers to instructors.

Continuing Education also has a brand new look which means the manual covers and c.d. media have new branding and fresh graphics. A new insignia has been designed specifically for the Continuing Education Committee to be used in conjunction with the CSPG Logo which shows our commitment to furthering the educational needs of the society.

Next year, this committee will aim to expand on the variety and number of courses for Education Week, based on feedback we received from the event this year. Registration for courses is strong as we are receiving a great response. Education Week offers education opportunities for the geosciences community at regular and anticipated times of the year and is a great addition to the curriculum offered by the CSPG to its members. We will also re-visit the remuneration scheme and try to simplify and restructure the myriad of documents that we are expecting the instructors to complete as a part of our safety program, as this was a challenge for us this year. Instructors interested in offering a short course or field trip should contact Krista Jewett and visit our website at [www.cspg.org](http://www.cspg.org) and click on 'Education' at the top of the page.

We would like to thank all the Continuing Education Committee members and the CSPG staff that made 2006-2007 a successful year!

### **Technical Divisions**

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

Co-Chairs: Mark Caplan and Steve Donaldson.

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

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

liquid refreshments. We would also like to thank Kim MacLean of the CSPG for her hard work in obtaining IHS as a sponsor and making these talks possible.

Over the last twelve months we have hosted four presentations with an average attendance of ninety-five people. These talks were:

January 30, 2007

Murray Gingras (Department of Earth and Atmospheric Sciences, University of Alberta)  
“The Other Ways to Apply Ichnology in Sequence Stratigraphy”

February 28, 2007

Fran Hein (Alberta Energy and Utilities Board, Calgary)  
“The Great Canadian Oil Sands: Regional Geologic Framework and Influence of Salt-Dissolution Effects”

March 15, 2007

Cindy Riediger (University of Calgary, Calgary. Present address: Shell Canada Ltd., Calgary)  
“Origin of the Bitumen in Alberta Oil Sands Deposits: Previous Work + New Data = Some New Ideas”

April 5, 2007

Eugene A. Dembicki (Suncor Energy Inc.)  
“Geology and Production Performance from Suncor’s Oil Sands In-Situ Project in North-eastern Alberta, Canada”

We strive to provide members of the CSPG with the high-quality talks that they expect. In order to continue this service we require volunteers. We are always looking for people to provide us with a presentation of their work. If interested, please call either Steve at (403) 645-5534 or Mark at (403) 532-7701. Your support is greatly appreciated.

### ***Core and Sample Division***

Chair: Doug Hayden

During 2007 the Core and Sample Division stayed abreast of the important issues of drilling procedures, government regulation changes and core storage that developed in 2006. The group was proactive in addressing issues that they felt would impact the quality and access of subsurface rock samples that are utilized by the Canadian Geological Community. To join the division or just stay informed of future meetings or talks, please contact the chair, Doug Hayden at (403) 615-1624 or haydengeo@telus.net.

### ***Emerging Petroleum Resources Division***

Co-Chairs: Michelle Hawke and Fred Hyland.

Our goal is to provide noon-hour talks on the topics of coal bed methane, tight gas, shale gas and gas hydrates. During 2006/2007, we had four speakers:

September 2006

Gareth Lewis (EOG Resources Canada Inc.)  
“Permeability Analysis in Horseshoe Canyon Coals Using Open-Hole and Cased-Hole Logs”

April 2007

Patrick Klassen (ARC Resources Ltd.)  
“The Geochemical and Isotopic Composition of NGC production fluids from the Horseshoe Canyon Formation/Belly River Group and Mannville Group in Alberta”

May 2007

Shane Harrison (SH Consulting Services)

“Hydrogeological Settings for Shallow Coalbed Methane Exploration Areas in the West-Central Plains of Alberta”

June 2007

Derek Krivak (Stealth Ventures Ltd.)

“Operational Strategies for Drilling Horizontal CBM Wells”

We would like to thank all our speakers for their excellent talks, and IHS for their sponsorship. Thanks are also due to ConocoPhillips for the use of their theatre and the volunteers from ConocoPhillips (Gary Prost, June Hamm and Cheryl Lidfors) who help with the organization and setup.

### ***Environment Division***

Chair: Andrew Fox

The Environment Division held four lunchtime talks in 2007. Thanks to Husky Energy Inc., Nexen Inc., and the Aquitaine Tower for providing the venues for these talks. I would like to extend sincere thanks to the speakers for volunteering their time and effort. To all those who attended the presentations and provided lively and insightful discussions, thank you. Technical support for the division talks was provided by MEG Energy Corp. The ongoing support of the Division by Ed Mathison, Jack Century and James White is greatly appreciated. The 2007 division talks are listed below.

January 2007

Steve Grasby (GSC)

“Global Water Resources – A Calgarian Perspective”

April 2007

Simon Dyer (Pembina Institute)

“Death by a Thousand Cuts – Impacts of *In Situ* Oil Sands Development on Alberta’s Boreal Forest”

October 2007

Jack Century (Consultant)

“Tar Sands - Key Geologic Risks”

November 2007

David Elliott (Alberta Securities Commission)

“The Impact of Geogenic Factors on Human Health”

### ***Geomodeling Division***

No report submitted for 2007.

### ***Geofluids Division***

Co-Chairs: Jennifer Adams and Nina Ejezie.

The Geofluids Division hosted four talks this year with an average attendance of 20 to 30 individuals, which is substantially greater than last year. We have a growing division and have planned an excellent 2007-2008 series of talks. We were plagued by scheduling conflicts with CSPG luncheons and other functions. Nina Ejezie joined as Co-Chair of the division with Jennifer Adams in the spring of 2007. Finally, we would like to thank IHS and ConocoPhillips for their continued support of the Geofluids Division. The 2006-2007 talks are listed below.

October 19, 2006

Dr. Barry Bennett

“The Role of Aqueous Soluble Organic Components of Petroleum during Wettability Alteration”

February 15, 2007

Gavin Jensen

“Fluid Flow and Geochemistry of the Mississippian Aquifers Williston Basin, Canada-USA”

April 19, 2007

Mathew Fay

“Impact of Formation Water Chemistry on Biodegraded Oil in Southern Alberta and South East Saskatchewan”

### ***International Division***

Chair: Robert Potter

During the first half of 2007, the International Division hosted four talks. The subjects and speakers were particularly good and as a result, average attendance increased by 20%. The International Division was not able to schedule any new talks for the balance of the year. This problem results in a start and stop series of talks. The International Division Committee will attempt to schedule talks in a more consist frequency.

In addition, the International Division Committee would like to thank EnCana Corporation for use of the meeting facilities and Gore Surveys for providing refreshments. The 2007 talks are listed below.

April 4, 2007

Dr. Zeev Berger (Image Interpretation Technologies)

“Evaluation of Hydrocarbon Potential of the Dead Sea Basin, Israel”

May 28, 2007

Gordon Graham (Group Exploration Manager, SOCO International Plc.)

“Exploring for Conventional and Unconventional Reservoirs in the Cuu Long Basin, Offshore Vietnam”

June 27, 2007

Mark Cooper and Robert Gardner (EnCana Corporation)

‘Exploring for “Giants” in Offshore West Greenland: New Play Concepts and Hydrocarbon Prospectivity in an Emerging Frontier Rift Basin’

July 25, 2007

Trent Rehill (Senior Explorationist, Woodside Energy North Africa)

“Deep Purple: Perspectives and Challenges in Deepwater Exploration and Development”

### ***Paleontology Division***

Chair: Philip Benham

The paleontology division held eight talks in 2007 with topics varying from paleontology of the Alexandra Reef system of the North West Territories by Alex Macneil to the depositional setting of ancient mangroves in Borneo by Jon Noad. Also held in conjunction with the Alberta Paleontological Society and Mount Royal College was a weekend long symposium in March 2007. This free event attracted approximately 300 people including members of the general public and provided opportunity to interact with those researching in the field of paleontology.

Downtown based lunchtime talks were well attended. More are planned for 2008. A list of the 2007 talks is below.

January 12, 2007

Dr. David Krause (Professor of Anatomical Science, Stony Brook University)

“Science with a Social Conscience: Digging Dinosaurs and Helping Children in Madagascar”

January 19, 2007 (noon)

Alex J. MacNeil, PhD. (Anadarko Canada / CNRL)

“Paleoecology of Late Devonian Reefs in Western Canada – Insight from the Alexandra Reef System”

January 19, 2007 (evening)

Dr. Lisa Bohach (FMA Heritage Resources Consultants Inc.)

“Fossils of the Athabasca Oil Sands”

February 16, 2007

Dr. Jon Noad (Shell Canada Limited)

“As Clear as Mud: Exploring Ancient Mangroves and their Inhabitants”

March 18 & 19, 2007

Eleventh Annual Palaeontological Symposium Talks:

Emily Bamforth and Guy Narbonne (Queen’s University)

“Pectinates: Multibranching Rangeomorphs from the Ediacaran of Newfoundland”

Dr. Paul Johnson & Kimberley Johnson (Mount Royal College)

“Burgess Bugs, Brines and Mines – a New Paradigm for some Old Rocks”

Darren Tanke (Royal Tyrell Museum)

“Scow Expedition Re-enactment”

Dr. Brian Chatterton (University of Alberta)

“Spiny Trilobites through Time”

Patty Ralrick (University of Calgary)

“Subfossil Wolves of Little Fish Lake, Alberta”

CR Harington (Canadian Museum of Nature)

“Life at a Four Million Year Old Beaver Pond in High Arctic Canada”

Godfrey Nowlan (Geological Survey of Canada)

“Canada’s Fossil Heritage”

Eleventh Annual Palaeontological Symposium Workshops:

Dan Quinsey (President, Alberta Palaeontological Society)

“How to be a Fossil Detective”

Brian Cooley

“Make-a-saurus Modelling Workshop: Build your own Dinosaur Sculpture”

Dr. Brian Chatterton (University of Alberta)

“Trilobites”

Wayne Haglund (Mount Royal College)

“Brachiopods”

April 20, 2007

Dr. Donald Henderson (Royal Tyrell Museum)

"Bite Me: Skull Structure and Strength in Carnivorous Dinosaurs"

September 20, 2007

Dr. Peter Dodson (University of Pennsylvania)

"Discovering Canada's Dinosaurs – Canada's Gift to the World"

October 19, 2007

Alberta Palaeontological Society Open House and Fossil Clinic

November 16, 2007

Ernie Lakusta (Author)

"The Intrepid Explorer: James Hector's Explorations in the Canadian Rockies"

December 14, 2007

Paleontology Photo Contest and Christmas Social.

### ***Reservoir Development Division***

No report submitted for 2007.

### ***Sedimentology Division***

Chair: Scott Rose

During the calendar year 2006/2007 the Sedimentology Division hosted a series of lunch time and evening clastics club talks. Talks were well attended (from 15-70 people). The Sedimentology Division maintains a website to post upcoming talks and provide a location to archives previous talks (<http://www.cspg.org/events/divisions/sedimentology.cfm>).

The Sedimentology Division committee consists of five volunteers: Scott Rose (Birch Mountain Resources Ltd.) as Chair, Michael Webb (Imperial Oil Resources Ltd.) as Co-Chair for lunch talks, Randy Rice (Suncor Energy Inc.) as Co-Chair for evening talks, Per Pedersen (Apache Canada Ltd.) as fieldtrip coordinator, and Karsten Nielsen (Neo Exploration) as fieldtrip coordinator.

Scott Rose has stepped down as chair of this division and Steve Hubbard of the University of Calgary has graciously taken it over. We thank Scott for his direction and also Steve for assuming the chair.

### ***Structural Geology Division***

No report submitted for 2007.

### **SERVICES REPORT**

(Dave Newman, Services Director)

### ***Membership***

Chair: Ayaz Gulamhussein

In 2007, the CSPG had 3260 individual members. Individual memberships were broken down as follows:

Membership Type	Number of Memberships
Regular	2779
Associate	252
Emeritus	125
Honorary	40
Student	9

The CSPG also had 21 Student Chapters, with 141 members.

The CSPG saw an increase in regular membership over the past year. The Membership Committee intends to continue its proactive approach to recruitment at various events and through print. The Annual Convention, Gussow Conference, Technical Luncheons, social events and *Reservoir* all provide excellent opportunities to promote the growth of the Society.

Membership with the CSPG has always offered both tangible and intangible benefits, such as affiliating or identifying oneself with a prestigious professional organization, having access to multi-disciplinary technical information, creating opportunities for peer networking, and the opportunity to participate at member conferences. The CSPG Membership Committee is continuing to develop and foster our membership through the “4 Rs”: recruitment, retention, recovery and renewal.

Recruitment will be done in a strategic and methodical way. Defining what the membership means, and what the community represents are critical to attracting new members. A member is not just “anyone,” but a person that fits into clearly defined interests.

In regards to retention, members who see a well organized society, with purpose and direction, are likely to stay. The leadership of the Society must consider the input of members, and provide recognition for members’ efforts. Effective communication, receiving pertinent information and involvement in volunteer activities will also encourage retention.

Contacting past members, and trying to understand why they chose not to renew their membership is a priority to recovering members. Adding new programs and benefits will also entice past members to rejoin.

Similarly to recovery, adding new programs and benefits will encourage existing members to stay with the Society. A more active renewal approach is also being examined.

Our profession is arguably in the most envious position it has ever been in. Although there are a multitude of reasons that have contributed to this current situation, our insatiable demand for energy is undeniably the dominant one. This situation presents us with an opportunity, and a forum to accomplish many of the Society’s previously envisioned objectives. A critical component that must be in place prior to accomplishing these goals is a strong membership.

### ***Volunteer Management***

Chair: Karen Webster

Secretary/Treasurer: Colin Yeo

Communications/Marketing: Elizabeth MacInnes

The Volunteer Management Committee (VMC) has recommended that it be moved to reside under the auspices of the Membership Committee where it can seamlessly manage members’ requests for volunteer opportunities. This recommendation has been accepted by the CSPG Executive and steps are currently being taken to ensure a seamless transition.

This year, we continued to fulfill our mandate and six strategies are employed to achieve our goals:

1. Identify current committee volunteer requirements,



2. Communicate committee volunteer opportunities and qualifications to the membership,
3. Proactively recruit qualified volunteers,
4. Match volunteer skills and competencies to committee needs,
5. Orient potential volunteers to the Society and train them to fulfill their roles, and
6. Recognize our volunteers.

The Volunteer Management Committee's findings include:

- 1) **Identify current committee volunteer requirements.** Virtually all committees are aware of the services provided by the VMC but they have found more effective recruiting techniques through personal networking.
- 2) **Communicate committee volunteer opportunities and qualifications to the membership.** We continue to post volunteer opportunities to the website but the number of postings has diminished during the spring and summer of 2007.
- 3) **Proactively recruit qualified volunteers.** We have recruited several members to be volunteers for committees, task forces and Executive Committee service.
- 4) **Match volunteer skills and competencies to committee needs.** We have deliberately targeted individuals who we believe have the skills, competencies and interest to be effective members of the committees seeking additional volunteers. This has been a change from previous years where we have tried to use a questionnaire to judge the suitability of an individual.
- 5) **Orient potential volunteers to the Society, provide a job description and train them to fulfill their roles.** We continue to request detailed and accurate roles, and responsibilities are communicated to potential volunteers
- 6) **Recognize our volunteers.** The fourth Volunteer Appreciation Day was held on January 25, 2007, prior to the presentation of the 2006 Volunteer and Service awards during a technical luncheon. We also listed volunteer award winners in the *Reservoir*. We recognize we need to do more in recognizing our volunteers but we have not made progress on deciding what the best form of recognition is.

There are still some barriers to success. We have been unsuccessful in capturing previous volunteer service and should admit it will not be done.

### ***Photographic Services***

Chair: Vic Panei

This committee provided photographic coverage at most of the Society's technical luncheons, conventions and social events. Vic Panei has been the "official photographer" of the CSPG since 1974.

### ***History and Archives***

Chair: Clinton R. Tippet

The History and Archives Committee was relatively inactive over the last year as the Society's office continues to look after its own routine historical records management directly with the Glenbow Archives. 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.

### ***Group Insurance***

Chair: Robin Mann

Group Insurance is a small committee that approves accredited insurance brokers to provide services to CSPG Members. The Committee also looks after getting group insurance discounts for members and handles any questions that members may have with respect to the group plans. The committee has arrangements with two broker groups to provide discounts for a variety of services:

- 1) FMA Insurance (Financial Management Alberta Ltd): As a member of the CSPG, you can take advantage of lower premiums and superior coverage and service for your home and auto insurance and for your commercial, rental or vacation properties. FMA also offers excellent business coverage for CSPG members who have their own business or consultancy.
- 2) Ogden Financial Planners Ltd.: This company offers various products of Life Insurance, Long and Short Term Disability, Health and Welfare Trusts and Critical Illness Insurance to members. In addition Ogden offers a variety of financial planning services, including estate planning, investments and RRSPs.

### **Awards**

Chair: Heather Hunt

In 2007, the 2006 CSPG Awards were presented in the same format as the previous year. All awards were presented at Technical Luncheons throughout the first six months of the year, with the exception of the Honourary Membership which was presented at the Long Time Members' Reception. Measures were taken to ensure that award recipients were highlighted at the luncheon and that they received the recognition they deserved. A speech was delivered before awards were given out and the recipient's name was featured on a slide so everyone at the luncheon could see who the winners were. This format was effective and we will continue to use it for the upcoming year.

The CSPG 2006 Award Chairs and Winners are listed below.

#### ***Stanley Slipper Gold Medal***

Chair: John Hogg

Award Recipients: John M. Andrichuk and Ralph W. Edie

#### ***RJW Douglas Medal***

Chair: Graham Davies

Award Recipient: Margot McMechan

#### ***Honourary Membership***

Chair: Don Keith

Award Recipients: Alice Payne and James MacDonald

#### ***Medal of Merit***

Chair: Ian Kirkland

Award Recipients: S. George Pemberton and Murray Gingras

#### ***Link Award***

Chair: Rick Steedman

Award Recipient: David A. Eberth

#### ***President's Award***

Chair: Colin Yeo

Award Recipient: Mark Cooper

#### ***President's Special Award***

Award Recipients: Roy Benteau and Kevin Marsh

#### ***H. M. Hunter Award***

Chair: Craig Lamb

Award Recipients: Jack Porter and Ian McIlreath

**Track Awards**

Chair: Heather Hunt

Award Recipients: Mike DesRoches, Bob Dick, and Godfried Wasser

**Special Recognition Award**

Award Recipient: Randle Robertson

**Service Awards**

Chair: Heather Hunt

Award Recipients:

Darren Aldridge

Jim Barclay

Greg Cave

Gela Crane

Brad Hayes

Kris Jewett

Fiona Katay

George Langdon

Andy Newson

Kirk Osadetz

Mike Seifert

John Varsek

Elizabeth Atkinson

Doug Cant

Pauline Chung

Jim Gardiner

Adam Hedinger

Ken Jones

Ian Kirkland

Eric Mountjoy

Elizabeth O'Neill

Andrea Reiserer

Darren Singleton

Jeannette Watson

**Volunteer Awards**

Chair: Heather Hunt

Award Recipients:

Wes Bader

Diego Barrenechea

Travis Brookson

John Cody

Ian Dewolfe

Warren Dublonko

Carly Frank

Glenn Karlen

Elizabeth MacInnes

Chris May

Marilyn Neary

Terry Poulton

Al Rutherford

Kimberly Tanasichuk

Ryan Barnett

Friederike Baumeister

Allan Carswell

Danielle Demmans

Marianne Doehler

Mark Dzikowski

Wim Jalink

Jeff Lukasik

Mark Mallamo

Nolan Moore

Guillaume Nolet

Domenico Ranieri

Randy Smith

Jolene Wood

**Mixed Golf Tournament**

Chairs: David Middleton and David Caldwell.

Committee Members: Penny Christensen, Carter Clarkson, Norm Hopkins, Brenda Pearson, Kim MacLean, Hugh Wishart, and Dick Willott.

The 18<sup>th</sup> Annual CSPG Mixed Golf Tournament was held at D'Arcy Ranch Golf Course on August 24, 2007. The 144 golfer tournament started with a brisk Alberta morning (7 degrees C is a little cool) but quickly warmed up with sunny skies and warm temperatures, and the course was in good shape. Once again, we had a full tournament, with several disappointed golfers on the waiting list.

FMA Insurance was our platinum sponsor, and they also sponsored a \$10,000 hole-in-one prize, which sadly, no one was able to claim. We also appreciate our gold sponsors, Weatherford Canada Partnership and Tucker Wireline Services, and our silver sponsors, AGAT Laboratories Ltd., Baker Atlas, Bodycote Testing Group, IHS, LogTech (Canada) Ltd., RECON

Petrotechnologies Ltd., and Rockhound Technologies Inc. AGAT Laboratories Ltd. also ran a second hole-in-one contest which went unclaimed and a 50/50 draw with proceeds to the CSPG Trust.

Golfers began the day with breakfast, and draw prizes from BodyCote Testing Group/Norwest Labs. Golfers also enjoyed the various hospitality tents, and opportunity to participate in many skill challenges, including closest to the pin competitions, long drives for male and female golfers, and careful placement of the ball into water and sand traps. Our sponsors were recognized by extensive signage on course, in the dining and breakfast areas, and on the road into the course, and our premier sponsors had the opportunity to put up a banner on the clubhouse.

The trophy for Low Gross was won by the team of Colin Thiessen, Dan Allan, Leanne Ewashen, and George Strother-Stewart with a score of 65. The Low Net trophy was captured by the team of David Cheesman, James Lee, Gerry Reinson, and Jay Williams, with a score of 54.4. The High Gross was won with a score of 85 by the team of Rex Brigan, Mark Parakh, and Patricia Williams.

The on-course hospitality venues were hosted by Recon PetroTechnologies Ltd., IHS, and Baker Atlas, and the halfway house sponsor RockHound Technologies Inc., were well appreciated by tournament attendees, and everyone had fun participating in the Tucker Wireline Services sponsored putting contest. The putting contest ran smoothly this year; the hospitality tent was enjoyed by all and everyone cheered on the competitors. It ended with the three winners taking home a new putter each.

Baker Atlas once again was very generous in donating a "Golf with Lanny" package, and tickets on the draw were sold to the crowds. Gord Cook was the lucky winner of golf and dinner for three with Lanny McDonald, and transportation by limo. Additional Trust draws were for golf and accommodation. The proceeds from the mulligan tickets were also directed to the CSPG Trust. The Mixed Golf Tournament was pleased to be able to donate over \$2800 to the CSPG Trust at the end of the tournament.

We look forward to seeing everyone next year at the 19<sup>th</sup> Annual Tournament. Thanks to all the committee members for their hard work and support of the tournament. I know the members and guests who attended had a great time and appreciated the fellowship on the course and the various hospitality venues.

### ***Squash Tournament***

Chairs: Colin Thiessen and David Caldwell.

Committee Members: Ryan Barnett, Travis Brookson, Warren Dublonko, Mark Dzikowski, Megan Huckvale, Kris Jewett, Kim MacLean, Chris May, Jessie Mitton, Al Rutherford, Randy Smith and Jolene Wood.

Just when you thought you had worked off all of that holiday cheer, along came the 24<sup>th</sup> Annual CSPG Squash Tournament at the World Health Club in Edgemont. Despite the abundance of food and fun there was a great squash tournament that occurred February 8-10, 2007. Some people might remember Pasta Night, the marathon Teams Tourney, and the Giant Squash Racquet match, but others will remember a fantastic banquet, great squash matches, and lots of sore muscles. There were fantastic Finals again this year; all of the playoff matches were intense. A few new twists were also added to the Teams Tourney to make it more fun.

Other highlights included the Men's B, C, and D Finals that included Squash Committee members Ryan Barnett, Chris May, Randy Smith, and Mark Dzikowski. Although only two of four took home bragging rights, it was good to show people that our large squash committee does more than just look pretty and put on a good tournament. Honourable mention should go to Morgan Bint in the Men's B division. Morgan is typically one of the most intense competitors. Although he lost in the

Men's Consolation B Final while playing with a torn muscle, he was still keen enough to join into the Teams Tourney for an hour or so just before his Finals match.

We would like to thank Tucker Wireline Services who once again stepped up as the 24th Annual CSPG Squash Tournament sponsor. Not only did they contribute large amounts of sponsorship dollars, Tucker Wireline Services also graciously hosted two practice nights for the many "squash keeners" at the Bow Valley Club leading up to the tourney. The new tournament shirts were also a big hit with the 125 participants. There are a few extras on back-order for some people who were not able to make it out to the Registration Night. Warren Dublonko at Tucker Wireline Services is looking after those people.

Trophies were not the only things won this year. Everyone who played in the tournament had their name automatically entered into a draw for a variety of door prizes generously provided by our sponsors. The prize line-up included top-of-the-line Black Knight squash racquets, Calgary Flames tickets, Kananaskis golf certificates, travel certificates, and other corporate donated prizes. For those of us who felt lucky, playing cards were sold for \$20 to be entered into the annual CSPG Trust fundraiser draw. When it was all done but the cryin', John Cox took home the top prize of a weekend getaway for two to Panorama (thanks DC!). Other prizes included a camcorder, racquets, and satellite radio for a year.

Several other notable sponsors were Baker Hughes who sponsored the Teams Tournament, Belloy Petroleum Consulting, Divestco, Inc., Oyo Geo Space Canada Inc., and Weatherford Canada Partnership. Thanks to our newest sponsor, GeoTir Inc., who provided Taxi Vouchers to get people home safely from the squash tourney. Apart from the sponsors already mentioned, there were 20 Gold level sponsors and another dozen Silver sponsors. Without our many sponsors that contribute each year, this tournament would not be the huge success that it continues to be each and every year. With this kind of great support, we know that we can make next year's special 25th Anniversary CSPG Squash Tournament one to remember forever.

Lastly, let's not forget the tireless efforts of our great committee members. Without these guys volunteering countless hours to put this tourney together and help run it, this may not be the longest running squash tournament in Calgary. A big thanks to committee members: Ryan Barnett, Travis Brookson, David Caldwell, Warren Dublonko, Mark Dzikowski, Megan Huckvale, Kris Jewett, Kim MacLean, Chris May, Jessie Mitton, Al Rutherford, Randy Smith, Colin Thiessen, and Jolene Wood.

### ***10K Roadrace and Fun Run***

Chair: Christine Manion

Committee Members: Mike Cardell, Matt Hall, Fiona Katay, Cindy Koo, Kim MacLean, Stuart Mitchell, Kathy Taerum, and Kathy Waters.

The rain stopped, the wind died down, and 141 runners sprinted off at the start of the 19th Annual CSPG/CSEG held on the evening of September 12, 2007. The course started at Eau Claire and took runners along the Bow River pathway on the south side of the river on an out and back route. Despite the numerous DEEP puddles along the gravel sections of the path, runners came through the finish line with smiles on their faces. The race was so much fun that it even caused some to kick up their heels in joy! As always, there was a mix of runners from strong competitive runners to those runners out to enjoy the experience for their first time. Member participation was up, which was encouraging to see. As well, there was a greater number of runners in the under 29 category. As in past years, the evening wrapped up with beer and pizza at Quincy's. Awards and many prizes were handed out and the ever popular sock toss provided everyone with something to take home!

I would like to thank all the volunteers. You guys are great! I would also like to thank our sponsors, many of whom ran the race. Without you, this event would not be possible. Your

support and generosity is much appreciated. Lastly, great job runners! Hope to see you back next year!

Our sponsors this year were: Platinum: CGGVeritas, Gord's Running Store; Gold: Earth Signal Processing Ltd., Tucker Wireline Services; Silver: Conroy Ross, Divestco, Inc., IHS, Weatherford Canada Partnership, Devon Canada Corporation, Apoterra Seismic Processing, Arcis, Galleon Energy Inc., Paradigm Geophysical Canada Ltd., Regent Resources Ltd., Spitfire Energy Ltd.; Bronze: Edge Technologies Inc., Duvernay Oil Corp, geoLOGIC systems ltd., Continental Laboratories Ltd., Belloy Petroleum Consulting Ltd., Key Seismic Solutions Ltd., Haliburton, Baker Atlas, AGAT Laboratories Ltd., GEDCO. Thanks also to the staff at the Eau Claire YMCA.

Finally a huge thank-you to the group of people on the committee that helped me this year: Mike Cardell, Matt Hall, Fiona Katay, Cindy Koo, Kim MacLean, Stuart Mitchell, Kathy Taerum and Kathy Waters.

The results can be found at the following web address: <http://www.cspg.org/events/events-social-funrun.cfm>. Here's a summary of the CSPG, CSEG and CAPL winners from this year's race:

<p>CATEGORY : Female CSEG</p> <p>Place Name            Time    Pace</p> <p>=====</p> <p>1 Lorna Hawley        46:08 7:26</p> <p>2 Kathy Waters 49:39 8:00</p> <p>3 MH Thibeault        52:57 8:32</p>	<p>CATEGORY : Male CSEG</p> <p>Place Name            Time    Pace</p> <p>=====</p> <p>1 Anthony Steenbergen 37:47 6:05</p> <p>2 Don Gee                        38:31 6:12</p> <p>3 Darryl Parry        38:54 6:16</p>
<p>CATEGORY : Female CSPG</p> <p>Place Name            Time    Pace</p> <p>=====</p> <p>1 Justine Sagan        43:09 6:57</p> <p>2 Laraine Kish        52:31 8:27</p> <p>3 Andrea Currie        58:34 8:30</p>	<p>CATEGORY : Male CSPG</p> <p>Place Name            Time    Pace</p> <p>=====</p> <p>1 Matt Hall            36:54 5:57</p> <p>2 Robin Sandau        40:40 6:33</p> <p>3 Ian Grant            41:36 6:42</p>
<p>CATEGORY : Female CAPL</p> <p>Place Name            Time    Pace</p> <p>=====</p> <p>1 Kellie D'Hondt        44:16 7:08</p> <p>2 Debbie McLean        100:27 9:44</p> <p>3</p>	<p>CATEGORY : Male CAPL</p> <p>Place Name            Time    Pace</p> <p>=====</p> <p>1 Roger Van Haren        38:19 6:10</p> <p>2 Darren Grandoni        42:37 6:52</p> <p>3 Scott Ganes            42:46 6:53</p>

Next year will be the 20<sup>th</sup> year of the Road Race, and will take place on September 10, 2008.

## OUTREACH REPORT

(David Middleton, Outreach Director and Greg Lynch, Assistant Outreach Director)

This is the annual consolidated report of the eight committees that make up the CSPG Outreach Division. The Outreach Division is concerned with university and public education programs, enhancing the development and delivery of petroleum geology programs through awards and

scholarships, raising the interest and awareness of geosciences students and the public regarding petroleum geology. The major change to outreach this year was the addition of Greg Lynch as the Assistant Outreach Director, adding to the outreach portfolio the normal assistant director/director succession plan followed by the other CSPG portfolios.

The committees that make up Outreach are: Graduate Thesis Awards, Honorary Address, Regional Scholarships, SIFT (Student Industry Field Trip), Special Events, Undergraduate Awards, University Outreach, the Andrew Baillie Awards, and the new 100 Student Jobs. In addition, the Public Affairs Committee has been added to Outreach.

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

### ***Graduate Student Thesis Awards***

Chair: Andre Chow

Committee Members: Kathy Aulstead, Tim de Freitas, Leslie Eliuk, Tony Hamblin, Terry Sami, Rob Scammell, Eileen Scott, Wendy Shier, Martin Teitz and Michael Webb.

In 2006, 10 M.Sc. and 4 Ph.D. theses were submitted representing 10 universities across Canada. The winner of the 2006 Ph.D. award is Michael C. Rygel (Dalhousie University, Prof. Martin Gibling, Supervisor) for his thesis entitled "Alluvial Sedimentology and Basin Analysis of Carboniferous Strata near Joggins, Nova Scotia, Atlantic Canada." Rygel's dissertation is well written, well illustrated, and addresses a variety of topics related to the world famous Joggins Formation and other Carboniferous strata in Atlantic Canada. The Joggins section was the first described in 1843 by Logan and was the first stratigraphic section ever measured in Canada at the time by the just-formed GSC. Logan and Lyell brought the world's attention to this amazing geologic section through their publications in the mid to late 1800's. It is now on the list to become a World Heritage site in the near future.

Individual chapters deal with the following: the original geologic descriptions of Joggins area strata by mid-19<sup>th</sup> century geologists, paleoenvironments of the Joggins Fm., vegetation-induced sedimentary structures, fluvial architecture related to inferred rapid subsidence and resulting domination of fixed meandering and multistoried fluvial systems, all attributed to salt flowage, the role of evaporite withdrawal in the preservation of coal-bearing strata, and the tectonic interpretation of the Upper Carboniferous Basin of Eastern Canada (Cumberland Basin).

The discussion on fluvial channels is very important for reservoir and aquifer geometry work and the discussion on coal is very important for CBM studies. CSPG members looking to expand their knowledge on these topics and others are encouraged to review this dissertation. Alternatively, several chapters of Rygel's thesis have already been published and are publicly available in the geosciences literature. Rygel presented parts of his Ph.D. dissertation at the October 9, 2007 CSPG Technical Luncheon.

The winner of the M.Sc. award is Michael J. Hay (University of Western Ontario, Prof. Guy Plint Supervisor) for his thesis: "Stratigraphy, Sedimentology, and Paleogeography of the Upper Dunvegan Formation, Middle-Cenomanian, Alberta, Canada: Interactions between Deltaic Sedimentation, Flexural Tectonics, and Eustasy". Hay describes and interprets a significant hydrocarbon bearing formation in west-central Alberta and adjacent northeast British Columbia, and discusses the influence of tectonic events, basin subsidence and eustatic sea level change on the Dunvegan Formation.

Over 950 well logs, 23 measured outcrop sections, and 15 cores form the basis of a comprehensive stratigraphic framework, in which six backstepping deltaic packages illustrate the

response of deltaic shorelines to a period of accelerated tectonic subsidence and eustatic rise. A series of isopach maps were generated from intervals defined from the detailed stratigraphy, and these maps help to document the depositional history of Dunvegan sediments within a deltaic setting that evolved from river- to wave-dominated. Key reservoir facies are distributary mouth bars and wave-modified deltaic bar sandstones, and reservoir units are shown to exhibit compensational stacking, where younger units occupy space unfilled by older deposits. The influence of tectonic events, basin subsidence and eustatic sea level change, some of which are quite rapid, are suggested to be factors for the observed regional isopach map patterns.

CSPG members exploring for oil and gas trapped in the Dunvegan Formation or similar fluviodeltaic units are encouraged to review this thesis. It provides valuable data and interpretations that may stimulate efforts to locate future oil and gas fields. Hay presented the core work part of his M.Sc. at the 2007 CSPG Annual Convention Core Conference.

An Honourable Mention was given in the M.Sc. category to Shellie Jober (University of New Brunswick, Prof. Joseph White and Dr. Keith Dewing, Co-supervisors) for her thesis: "Structural geology and Pb-Zn mineralization, northeastern Cornwallis Island, Nunavut." Jober undertook a challenging structural/stratigraphic project in a polydeformed intraplate fold and thrust belt in the Canadian Arctic Islands. The area contains a variety of Paleozoic and Tertiary strata. Oldest exposed strata include Ordovician carbonates and evaporates deposited over a passive continental margin. These strata are overlain by a stratigraphically complex succession of uplift-associated carbonate platforms and syntectonic clastics of Siluro-Devonian age. Subsequent compression deformation formed at least four distinct fold trends and associated thrust faults.

Jober constructed a detailed geological map and several cross sections that illustrate complex structural geometry of the area. She then provided a very convincing discussion of the structural kinematic sequence and its relation to regional Caledonian, Ellesmerian, and Eurekan orogenes. This is the first study to credibly link distinct fold trains to regional tectonic events in the central part of the Arctic islands. Jober also used the structural/stratigraphic data to interpret the genesis of lead/zinc mineralization. The area of high interest, because the nearby (Cominco) Polaris lead/zinc mine (now exhausted) was one of the richest in the world. About 26 MM tons, 3.7% Pb, 14% Zn were mined between 1980-2002. Although mine operations have ceased, there is still exploration activity in many areas of the Arctic.

Jober concluded that most mineralization, from some 27 localities in all, is linked to shallow, older, F1/F2 folds, not to unconformities as previously suggested. This conclusion will surely change exploration focus in the years to come. Jober's systematic approach to structural mapping and the way she linked these interpretations to regional tectonic events and associated diagenetic Pb/Zn episodes is excellent.

Many thanks are extended to all the members of the committee for their dedication and taking time out in their busy schedules to read and evaluate theses and to attend meetings to discuss and decide upon the winners. Also thanks are extended to Burlington Resources Canada and ConocoPhillips Canada for their financial support. Due to work commitments, Kathy Aulstead, Rob Scammell and Wendy Shier decided not to return to the committee in 2007. Their presence will be missed. We do, however, welcome Richard Evoy and Sid Leggett, who will be joining the committee in their place.

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



### ***Honorary Address Committee***

Chair: Jennifer Dunn

Committee Members: Penny Colton, Dieter Deines, Jason Frank, David Grinde, Steve Haysom, Shawn Lafleur, Kim MacLean, Judy Mahaffey, Faye Warrington, Alex Wills, Jay Williams, Alex Wright, and Brett Wrathall.

In recognition of the International Polar year, this year's Honorary Address was about the Canadian Arctic. This year's event was scheduled for Wednesday, November 21, 2007 at the Southern Alberta Jubilee Auditorium.

Our keynote speaker was Jeff MacInnis, son of deep sea diver and explorer Dr. Joe MacInnis. Following in his father's footsteps, MacInnis is a famous explorer in his own right. At the age of 23, he led a team to sail the Northwest Passage, covering 4000 kilometres over 100 days in an 18 foot boat. This was the first such expedition since Sir John Franklin's 129 man expedition in 1845. The journey was featured in a National Geographic article, a television documentary and in a book written with Wade Rowland. The presentation itself includes both photographic and television footage of his travels.

We received a presentation from the Arctic Institute of North America, based out of the University of Calgary. Dr. Benoit Beauchamp spoke on why the Arctic is hot. According to Dr. Beauchamp, we're at the dawn of a new era in arctic exploration. What a great opportunity to hear about current arctic research with a local perspective.

The talks were both fascinating and breathtaking for the afternoon audience of high school students and our evening talk. As in the past, the talks began at 7:00 pm, with doors open to our famous lobby displays at 5:30 pm. The free afternoon talk for junior high students is oversubscribed every year, and is made possible through generous sponsors and dedicated volunteers. What a great opportunity for the Outreach Committee to excite more than 2400 students on the science of geology. Of course the evening presentation is always a lot of fun, and a great introduction to science and geology for friends and family. For the early-to-bed crowd among us, we wrapped up the event by 9:30 pm.

### ***Regional Scholarships (Graduate and Undergraduate)***

Chair: Shawna Christensen

Committee Member: Dave Kisilevsky

The CSPG awards annually, on a regional basis, graduate scholarships to promote advanced education and research in those fields of geology having application to the petroleum industry. Each of the scholarships has a value of \$1,500 and is given to one graduate in each of the three regions of Canada. The 2007 recipients are:

- Western Canada: Andrew Mumpy (University of Alberta) – Ph.D. Sequence Stratigraphy - Lea Park Formation,
- Central Canada: Zishann Khan (University of Ottawa) – Ph.D. Deep-Water Overbank Deposits, and
- Eastern Canada: Stephen Schwartz (Memorial University) – M.Sc. Diagenesis and porosity evolution of the Lower Paleozoic carbonate and Cretaceous-Tertiary siliclastic reservoir intervals, Labrador Shelf.

The CSPG awards scholarships annually, on a regional basis, to undergraduates enrolled in geology at a Canadian University. Each scholarship has a value of \$1,250 and is given to one undergraduate in each of the three regions of Canada. The 2007 recipients are:

- Western Canada: Andrea Wolter (Simon Fraser University),
- Central Canada: Michael Babechuk (University of Windsor), and
- Eastern Canada: Tiffany Piercey (Memorial University).

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

2007 Chair: Don Simmons

2008 Chair: Therese Lynch

Committee Members: Wes Bader, Kim Bastedo, Allan Carswell, Gela Crane, Ian DeWolfe, Marianne Doehler, Angela Dowd, Doug Hamilton, Dawn Hodgins, Greg Lynch, Therese Lynch, Kim MacLean, Andrea Marsh, Megan Namespetra, Guillaume Nolet, Domenico Ranieri, Indy Raychaudhuri, Stephanie Schmidt, Stacia Skappak, Jennifer Squance, John Lefebure, and Keith Yaxley.

Once again the CSPG SIFT program was a complete success. This year SIFT ran April 19-May 11, 2007. The program brought 30 undergraduate geoscientists out to Calgary for two weeks to understand the various roles that geologists perform in the petroleum industry. Numerous industry geoscientists volunteered time out of their busy schedules to lecture, provide core seminars and lead field trips to areas from Drumheller Provincial Park to the Canadian Rockies. On behalf of the entire SIFT committee and the CSPG I want to thank all these individuals for their continual support.

The exploration game continued to teach the students the reality of the oil and gas business. Teams were formed with a small land base and seed capital to start exploring and build a company. They used real well log data to create interpretations and geological models which allowed them to bid for additional land, drill wells and structure business partnerships. At the end of the program an experienced industry panel judges the interpretations and success of the individual companies and awards the "Best Technical" company and the "Most Financially Successful" company.

The 2007 SIFT program provided 30 more bright students with insight into the petroleum industry. I have no doubt that many will end up following a career path that leads them back to Calgary as a result of being invited on this once in a lifetime program. However, the SIFT program now has competition from the mining industry. Last year the mining industry ran their first ever student field trip which coincided with the SIFT program. This had a definite and immediate impact on the selection of eligible students.

On behalf of the SIFT committee I would like to thank the numerous industry sponsors as well as the CSPG members for their continual financial support. We also thank you for your recognition of the value of the SIFT program in helping insure new geologists consider a career in the energy industry.

I would just like to close by thanking all the SIFT committee members that I have worked with over the past seven years. So many great people are and have been involved with the SIFT program and I am disappointed that I have to leave the committee while I relocate to Vancouver. The organizing committee puts in a huge effort every year and it is a result of their hard work that SIFT goes off without a hitch. Over the past two years this committee has made my job as Chair easy and I would expect no major differences for Therese Lynch as she takes over as SIFT chair.

### ***Special Events Committee***

Chair: Mike DesRoches

The Special Events Committee is a new group within the Outreach Division. The mandate of Special Events is to plan and prepare for special and momentous events that the CSPG wishes the membership and the general public to take notice of, for historic, scientific or national interest. The forthcoming International Year of Planet Earth (2007-2008) and the International Polar Year are events that the CSPG wishes to celebrate. Mike DesRoches has stepped forward to chair this committee for 2007, and has been involved in the IYPE events. We are still recruiting additional committee members for this committee, so if you are interested, contact the CSPG Outreach director.

### ***Undergraduate Awards Committee***

The CSPG Undergraduate Award is presented annually to a student from each Canadian University. The award will be given to a student who will be entering their fourth year in September. The student is chosen by his/her professors for outstanding performance in petroleum geology, or the related fields of stratigraphy, sedimentology, palaeontology and structural geology.

The student will receive a personalized certificate and a one-year membership to the Society. This year the CSPG is again including a \$200 prize that will help pay for framing and reward the students for their achievements.

In 2007, this committee was moved under the University Outreach committee, and tied into the Student Chapters program.

### ***University Outreach Committee***

Chair: Aaron Grimeau

Student Chapters Contacts: Kris Jewett (Western Canada), Denise Hodder (Eastern Canada), and Simon Haynes (Central Canada).

Lecture Tours Contacts: Erin Crerar and Christa Welsh.

AUGC Contact: Tamara Holmes

Central Conferences Contact: Justine Sagan

New Initiatives Contact: Selena Billesberger

Website Coordinator: Krista Jewett

Committee Members: Selena Billisberger, Erin Crerar, Simon Haynes, Tamara Holmes, Denise Hodder, Kris Jewett, Krista Jewett, Justine Sagan, and Christa Welsh.

### ***Student Chapters***

The Student Chapters had another surge in numbers this past year. We saw an increase in 2007 in Chapters to 24 from 17 in 2006. This number included ten Chapters from Western Canada, eight Chapters from Central Canada and a solid showing of six Chapters from the Atlantic Region.

### ***Lecture Tours***

Lecture Tours were organized by Selena Billesberger last year. In all there were eight tours across the country: two in Eastern Canada, two in Central Canada and three in Western Canada. The fall 2006 speakers were Jim Letourneau (for Atlantic and Central Canada) and J.P. Zonneveld (for Western Canada). The winter 2006 speakers were Cameron Toews (for Atlantic Canada) and Lori Meyer (for Atlantic Canada).

### ***Conferences***

The AUGC (Atlantic Universities Geological Conference) was held at Dalhousie University in October 2006. With the assistance of corporate sponsorship, Denise Hodder (Exxon) and Aaron Grimeau (Devon Canada Corporation) were able to attend the conference on behalf of the CSPG. Aaron gave a presentation to the students on "The First Years in Petroleum Geology" which was very well received. Denise gave a technical talk on some work she has been doing at Exxon in St. Johns. They also presented awards for Best Poster and Best Presentation with prizes of \$300 each. The Conference sponsorship was \$1000. We would like to extend our thanks to Exxon and Devon Canada Corporation for their monetary contributions towards sending representatives to this conference, as this exposure improves the image of the Society, the Industry and the Corporations.

WIUGC (Western Inter-University Geosciences Conference) was held in Winnipeg in January 2007. Tamara Holmes and Aaron Grimeau attended the WIUGC on behalf of the CSPG. Much of their travel funding came from Devon Canada Corporation. Prizes were awarded (\$300 each) for Best Graduate Presentation and Best Undergrad Presentation. Conference sponsorship was \$1000. The turn out was very poor at WIUGC this year for students with 78 students attending and 65 of those being from Winnipeg.

IGSRS (Interdisciplinary Graduate Student Research Symposium) was held at McGill in March 2007. Justine Sagan attended the conference on behalf of the CSPG University Outreach Committee. Justine judged talks and posters and made an awards presentation for the best talk. We have had great feedback on our participation in their conference from the McGill organizers. Conference sponsorship was \$500 plus a prize level sponsorship of \$500.

AESRC (Advances in Earth Sciences Research Conference), which involves the University of Ottawa, Carleton, Queens, McMaster, and Trent, was held at the University of Ottawa in April 2007. Denise Hodder attended on behalf of the CSPG. Denise judged talks and posters and awarded prizes for best talks. Conference sponsorship was \$500 plus a prize level sponsorship of \$500.

#### Website

Krista Jewett worked with Astrid Arts to update the CSPG website, particularly the University Outreach section. This was no easy task - many changes, updates and improvements have resulted in an incredible website packed with useful information and links for the students.

More updates are planned for the website and will go ahead once we have someone in place to coordinate the website updates. We hope to make the student / student chapters sign fully online.

#### A Glance at the year ahead

In the upcoming year, we will be working on many of the same initiatives above. We will be increasing the number of student chapters, creating a full suite of top-tier lecture tours, creating sponsorship/participation in the student conferences, increasing communication with the schools/departments/faculty and students and increasing the recognition and awareness of the CSPG and the Petroleum Industry.

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

Greg Lynch, Assistant Outreach Director, presented the Andrew D. Baillie Awards for the 2007 CSPG/CSEG Joint Conference. The Andrew D. Baillie Award has been presented annually since 1991 for the Best Student Oral Presentation and Best Student Poster Presentation given at the annual technical conference. The award is to recognize excellence in presentation and encourage a high level of technical prowess worthy of Andrew Dollar Baillie.

Andrew D. Baillie was an active CSPG member and in particular, an avid supporter of the CSPG Trust, and the educational activities that the CSPG promoted to the student members of the society and the general public in geology.

This year's conference was a two-society convention with our colleagues in geophysics, the CSEG. John Cody and Mike Perz were the technical committee chairs for the conference, and kindly made certain that all the presentations by students were evaluated. We would also like to extend a big thank you to Graham Carter who compiled the results, and all of the session judges and volunteers.

The winner of the award for Best Student Oral Presentation is Chad Glemser of the University of Saskatchewan, Saskatoon, Saskatchewan, for his talk "Investigation of Pore Structure within the Weyburn Oilfield using Synchrotron Microtomography" with co-authors Tom Kotzer of Canadian Light Source and Chris Hawkes of the University of Saskatchewan.

The winner of the award for Best Student Poster Presentation is Michelle R. Martin of Memorial University, Newfoundland for her poster "New Geoscience Data and Interpretation of the Region Around Bjarni/North Bjarni Field, Hopedale Basin" with her co-author Michael E. Enachescu of Memorial University of Newfoundland.

Chad Glemser and Michelle Martin were presented their 2007 Andrew D. Baillie Awards, along with a cheque from the CSPG for \$1000 to accompany the award.

### **Public Affairs Committee**

Chair: Jon Dudley

Committee Member: Grant Gerla

In 2006/2007 the Public Affairs Committee (PAC), affiliated with the Communications Committee, continued to facilitate communication between the CSPG and the general public, potential CSPG members amongst geologists and geology students, and current CSPG members by distributing, creating and coordinating development of communication materials.

The CSPG's communications materials include the new graphics and the website. In the PAC's ongoing efforts to help establish a standardized "brand-look" to CSPG materials, it encouraged the use of elements of the new website graphics in publications that it produced, or reviewed, from other volunteer committee publications.

The Public Affairs Committee also ensured a consistent look to CSPG materials by applying the "CSPG Publications and Logo Guidelines" (posted on the CSPG website at <http://www.cspg.org/about/governance-policies>) in its review of publication designs submitted by committees to Heather Tyminski. Thank you to the many committee volunteers for their on-going cooperation in this regard.

Another Public Affairs tool is the portable three large banner-formatted pop-up displays which integrate design elements from the website graphics; this continued to be used at events such as the Honorary Address at the Jubilee Auditorium, APEGGA, University of Calgary and University of Alberta Mixers and undergraduate geology conferences.

PAC attended and/or supplied the above communications materials to a number of events in the past year including: the University of Alberta Science Career Fair, the CSPG/CSEG Honorary Address at the Jubilee Auditorium, the APEGGA Mixer at the University of Calgary, the APEGGA Mixer for the University of Alberta in Red Deer, the Atlantic Universities Geological Conference and the Western Inter-university Undergraduate Geology Conference.

This year PAC once again handed out novelty CSPG yo-yos to over 75 youngsters at the evening 2006 Honorary Address. This was very successful and made fun by encouraging the children to ask an age-appropriate "skill-testing" question based on the evening's talk in order to "win" a yo-yo.

The CSPG gladly supports many other groups in the community at large through buying ad space and/or providing in-kind sponsorship. An example of these activities in the last year is the advertisement we placed in support of the Alberta Federation of Police Associations.

### **Youth Outreach Committee**

Chair: David Middleton

In order to inspire the next generation of geoscientists, Outreach has been reaching out to youth. Through the CSPG, support was given to the production of a new Outreach publication, "The Rocks, the Mountains, and the Oil and Gas" poster, by Bill Ayrton of Ayrton Exploration Consultants. This publication serves as an excellent outline of many geological concepts through clear, simple and relevant graphics and relation to Alberta features in the mountains and local buildings. The intention is to distribute these posters as a service to the schools, to tie into the geological curriculum students are exposed to in grades four and seven. Support was also given to the creation of an updated marketing video to advertise the Student Industry Field Trip, with the intention to expose secondary students and guidance staff to geological careers, and advertise the SIFT program to current post secondary institutions.

The Kids in Science Program (KISP) was run again this year in conjunction with the Joint Annual Convention Committee. KISP is co-hosted with the Burgess Shale Geoscience Centre, CSEG and APEGGA. Les Corper of the CSEG stepped forward to take care of the program after the inaugural program in 2006, after business commitments caused a severe lack of time on my part. The program is aimed at inspiring students in junior high school to consider careers in science. A classroom lecture on geology and science was presented to the two pilot schools by two young geoscientists, and the students then attended the CSPG/CSEG Convention exhibits floor, under the escort of a Science Exhibit Guide, where students could see first-hand the exciting technology and science involved in the industry. The students, teachers and volunteers were then given lunch and a talk about the interesting and exciting opportunities in being a geoscientist. The students returned to school with a better idea of future careers that involve science, an understanding of the technology involved in the search for hydrocarbons, and an appreciation for the efforts the industry makes to effectively exploit the reserves in an environmentally sound and safe way.

KISP appreciates the efforts from the companies and lecturers who volunteered to host our "geoscientists of the future". KISP also thanks the volunteers from the three societies and the Burgess Shale Foundation for their efforts and enthusiasm.

### **100 Student Jobs**

Chair: Clause Sitzler

The "100 Student Jobs Initiative" is the newest CSPG Outreach committee. The goals of the committee are to 1) help students from across Canada get that all important first summer job and hopefully subsequent summer and full time jobs, 2) give employers an easy conduit for finding summer students from across Canada without having to travel from university to university through all ten provinces, and 3) promote the CSPG and its activities to both undergraduate and graduate programs across Canada, raising the awareness of all students about the pending shortage of geo-scientists currently and in the coming years. This will hopefully lead to higher student enrolment in CSPG membership as well.

While only getting our resume website up and running in February/March 2007, we successfully attracted 220 student resumes, with very equal representation from all the universities with geology programs across Canada.

We were able to test our web-based resume system and get feedback from the approximately 15-20 employers that reviewed our database. From this feedback, we will be able to provide a substantially improved database for the 2007/2008 school year. We also intend to add the ability for employers to post summer jobs, work terms, student related contract work, and then provide resources for graduated students looking for new jobs on the website. The feedback from the students was extremely positive, and said the website is a critical tool to help them get started as geoscientists.

All of us have at least one neglected pool or play concept that deserves some attention. Summer students have the ability to take these neglected pools and try to find the hidden value. They will make a difference to your bottom line!

Please contact Claus Sitzler at 100studentjobs@cspg.org for more information.

We are excited about the coming school year and look forward to getting lots of student resumes and posting many jobs for potential employers onto the website.

## **COMMUNICATIONS REPORT**

(Ashton Embry, Communications Director)

Details of various Communications activities can be found in the individual reports of the various committees. Some of the past year's highlights include:

- 1) Glen Stockmal and his crew continue to ensure that the *Bulletin* contains many excellent papers on a variety of petroleum geology related topics. A web-based manuscript submission and review system will soon be in place.
- 2) Ben McKenzie and Heather Tyminski, our Communications Coordinator, continue to oversee the creation and production of the *Reservoir*. Many interesting articles on a wide variety of topics were published over the last year.
- 3) Mark Dzikowski and his committee created another spectacular calendar for 2007 and Jaime Croft Larsen, our former communications Manager, looked after the production and distribution.
- 4) Astrid Arts and her Electronic Communications Committee upgraded our monthly ENewsletter and continue to improve and expand our great website.

All those connected with the CSPG Publications Committee continue to do a great job and serve our members in many ways. Jaime Croft Larsen, our former Communications Coordinator, left for greener pastures mid way through the year. I would like to thank her for all her dedicated efforts which ensured all the operations of the Communications portfolio ran smoothly. Heather Tyminski has taken over as Communications Coordinator and she is already having a positive impact with a number of new initiatives.

### Bulletin

Chair/Editor: Glen Stockmal

Managing Editor: Denise Then

Production Editors: Beverly Ross and Kim McFarlane

Layout Designer: Kathy Joslin

*The Bulletin of Canadian Petroleum Geology* is a peer-reviewed scientific journal published quarterly in March, June, September, and December. The September 2006 through June 2007 issues of the *Bulletin* contained 18 peer-reviewed scientific papers spanning 345 pages.

In fiscal year 2006-2007, the *Bulletin* received 26 manuscripts for consideration for publication, down one manuscript from the previous year. Two of these will appear in the December thematic issue on the Bowser Basin of interior B.C. (a collection of eight papers). Unfortunately, of the remaining 24 manuscripts, 14 were rejected by the editorial board prior to formal review for reasons ranging from very poor English to non-scientific format to subject matter lying beyond the interests of the *Bulletin's* readership (these were generally foreign submissions).

Most papers appear in print less than 12 months from the date of submission. Those that do not are generally due to the authors' response time to the required revisions, or are earmarked for thematic issues.

In February we purchased a license for the Editorial Manager™ and Preprint Manager™ on-line submission, review, and production software marketed by Aries Systems Corporation.

As of last year, *Bulletin* archives are accessible on-line through the CSPG website. Members can retrieve high-quality PDF files from GeoScience World of full papers dating back to 2000 or abstracts dating back to 1965, or they can access the AAPG DataPages collection of full papers dating all the way back to 1953. Access to *Bulletin* articles by GeoScience World subscribers continues to provide revenue to the CSPG.

### ***Index of Publication***

No report submitted for 2007.

### ***Reservoir***

Technical Editor: Ben McKenzie

Coordinating Editor and Operations: Jaime Croft Larsen (until April 2007) and Heather Tyminski (as of May 2007)

Corporate Relations Manager and Advertising: Kim MacLean

*The Reservoir* is produced eleven times a year (monthly, except for a combined July-August issue). Its purpose is to inform the membership of CSPG events and to increase their awareness of geosciences issues and research findings. The end product is a high-quality magazine that compares well to similar publications by other societies.

*The Reservoir* averaged 46 pages per issue over 2006-2007. We aim for a 50/50 mix of paid advertisements and technical articles / Society events content. Although Kim, our advertising guru, could easily fill any page count we set for her, we are hampered by the ongoing challenge of finding technical content to balance the advertising.

In addition to the ongoing contributions by Jack Porter, this year included a series of articles on resource assessment and GIS, a variety of geologic articles from Canadian Discovery and from the Prospect Saskatchewan series by the Petroleum Branch of the Saskatchewan Industry and Resources Department, as well a number of articles from individual Society members. Some of these included Ashton Embry's article on sequence stratigraphy (always enjoyable to read), Bob Meneley's article on Canadian gas potential, Wasim Paracha's article on the Potwar basin of Pakistan, and Dean and Mireault's article on water floods.

Other notable events this year was the transition from Jaime Croft Larsen to Heather Tyminski as Coordinating Editor for the *Reservoir*, the introduction of a more vibrant format for the magazine, and the introduction of an honorarium for technical contributions. After 12 years with the Society, Jaime left to pursue other options. She did a fine job and we will miss her; however, we are fortunate to have the young and energetic Heather to take her place. From the mechanical side of things, a quick comparison of the old *Reservoir* format and the current one will show a number of improvements – my next goal will be to convince the others on the design committee that we need a larger font size. Lastly, in an attempt to address the struggle to find technical content, we initiated a \$200 honorarium for technical articles. While it is a modest amount, it is hoped that it will entice more contributions from the starving student segment of our membership.

### ***Geological Calendar***

Chair: Mark Dzikowski

Committee Members: Dave Hills and Chad Heslip

The CSPG 2008 Calendar was distributed with the November *Reservoir*. This year's calendar preparation timeline went much better than in 2007 partly due to better planning on my part but mainly due to the enthusiastic and extremely valuable work by Heather Tyminski. We thus had ample time to catch mistakes and errors. This is especially great since we also made a Special



Edition 30<sup>th</sup> Anniversary Poster which shows off the best photos from the past 30 years. Great work!

The submission process that was implemented last year once again worked really well and we had an increase of 26% in submissions over the 2007 calendar. The submission statistics are the following:

- 46 photographers submitted photos in digital format for a total of 134 photos, compared to the 2007 calendar's numbers of 31 photographers and 86 photos.
- Three photographers submitted in slide/positive format for a total of 16 photos compared to the 2007 calendar's numbers of three photographers and 26 photos.
- Two photographers submitted in print/negative format for a total of five photos compared to the 2007 calendar's numbers of one photographer and 11 photos.
- The grand total of photographs submitted for the 2008's calendar was 155, compared to 123 in the 2007 calendar for an increase of 32 submissions or 26%.

Due to the low numbers of submissions in slide/positive, print and negative formats it should be considered to eliminate this form of submission and allow digital submissions only. This would eliminate the cost of scanning and image correction of the media. The submitting photographer will be required to scan his/her own slide or negative to submit to the CSPG and meet the resolution requirements.

The format from 2007's calendar, which consisted of a maximum of three foreign content photos and 10 Canadian photos (together with a background photo) was retained for the 2008 calendar. Even though the numbers of submissions were higher, the good Canadian content submissions were once again lower than expected. The majority of the Canadian content submissions were either of poor geologic content or poor composition/exposure. We did not have issues with low resolution as in past years.

Due to the low number of Canadian content submissions seven foreign and six Canadian photographs comprise the 2008 calendar. For 2009, a possible remedy for this could be a \$200 prize for Best Canadian Photo and eliminate the Best Student Photo, as the student submissions are extremely scarce.

This year the selection committee consisted of eight CSPG members who got together for one night and went through all the submissions and ranked them on a spreadsheet from which the highest scored photos were selected for the calendar. As in 2007 two prizes were up for grabs. The Best Photo prize of \$200 was awarded to Earl Fawcett based on the Selection Committee's votes. The Best Student Photo prize of \$200 was awarded to Ali Dalir Abdinia.

Since it's the 30<sup>th</sup> Anniversary of the CSPG Calendar, I decided to include a fold-out 24" x 36" poster of the best photos over the past 30 years of the Geological Calendar. This poster did not draw on the existing budget funds as the advertising sold on the poster fully covered the cost of the design and printing. Kim McLean was instrumental in signing up the advertisers to make that happen.

The timeline determined at the beginning of the year was quite closely followed which allowed extra time for corrections and a timely printing deadline to be ready for the November 2007 *Reservoir* distribution.

Creative Cat Inc. was once again recruited for the graphic design of the calendar as in the 2007 calendar and SunDog Printing Ltd. was the printer, which was also same as in the 2007 calendar. Donna from Creative Cat Inc. was receptive to suggestions and came up with a great template for this year. SunDog Printing Ltd. has been receptive to changes and had no issues with resolution. Donna was also very helpful in designing the 30<sup>th</sup> Anniversary Poster with the best 10 photos from the past 30 years.

My recommendations for the next year are the following:

- The most important goal in the 2009 calendar should be to increase Canadian content submissions. One way of increasing the motivation to submit Canadian content photos is to assign a prize of \$200 for the best Canadian Content Photo and eliminate the Best Student Photo award.
- Eliminate all physical submissions such as slides/positives, prints, and negatives as they are expensive to process and “a pain” to work with to make them look good.
- Try to get the call for photos into the April *Reservoir* instead of the May issue.
- Try to increase the volume of submissions by posters at the Student Chapters, at the CSPG office, etc.
- Discuss with the CSPG website graphic designer about creating a downloadable screen saver with current and past calendar photos. Also, create a gallery of Photos of the Year over the years.

Overall, the 2008 Geological Calendar has been a success and without the efforts of Heather Tyminski, Kim McLean and the Calendar Committee the 2008 Calendar would not be at the stage where it is now. David Hills has also expressed interest in taking over the Calendar Chair position for the 2009 Calendar. I would be happy to let Dave show his stuff again, especially since I took over from him in 2005. I would remain as a co-chair for support. Thank you and look forward to working on the Calendar next year, even though in a slightly different role.

### ***Electronic Communications***

Chair: Astrid Arts

Website Committee Liaison: Krista Jewett

Datapages: Glenn Karlen

Digital Atlas: Dawn Hodgins

In April of 2007, CSPG Communications Manager Jaimè Croft Larsen left the CSPG after 12 years with the society. The Electronic Communications Committee would like to thank Jaimè for all of her help in the past and wish her all the best in her future endeavors.

### **Website**

The committee plans to continue expansion of the site. New websites features brought to the membership in 2007:

- 100 Jobs initiative database
- Online Registration for the Roadrace and Squash Tournament
- Gussow Website for the *Arctic Energy Exploration: Present and Future Development* Conference
- Added an Annual Report Archive to the Volunteer Resources Section (1997-2006)
- CSPG Education Week webpages
- Enhanced the CSPG Awards section with photos of Honourary Membership and Hunter Awards
- Discounted subscription (\$15/year) to ***Geoscience Canada*** through the MEMBER ONLY portion of the website. This was our first web based collaboration with the Geological Association of Canada (GAC). We hope to have more of these opportunities for members and also hope that this type of project can strengthen inter society ties in the Canadian Geoscience Community. By the summer, 23 CSPG members took advantage of this service.

The committee will continue to work to make the website a dynamic media that can change to meet the needs of our committees and members.

## CSPG eNEWSLETTER

The CSPG eNewsletter underwent many changes this year. First it was moved from a volunteer role to a responsibility of the Communications Manager in January. Thanks to Astrid Arts and Sami Riahi for all their work on the newsletter in the past. In March, the eNewsletter was converted to an html format using a new electronic mail system through informZ. The move to informZ came from a need to provide a better way for the CSPG to communicate with its members through email. The new CSPG eNewsletter fully integrates with our iMIS Membership database, has a template that graphically ties to all other CSPG materials and contains hyperlinks to many CSPG website features, contains a subscribe/unsubscribe button, contains a pass it on feature and provides usage statistics.

The screenshot shows the CSPG eNewsletter for March 2007. At the top left is the CSPG logo and the text "Canadian Society of Petroleum Geologists www.cspg.org". To the right is the title "CSPG eNewsletter" and the date "March 2007". A "Send to a Friend" button is in the top right corner. The main content is divided into several sections:

- In this issue...**
  - Let It Flow - 2007 Convention - May 14-17, 2007
  - Report to the Membership
  - 100 Summer Student Jobs
  - Announcement: Canada-Wide Survey of Earth Scientists
  - 2007 Squash Tournament
  - Long Time Members' Reception
- Upcoming Events**
  - Technical Luncheons**
    - March 6, 2007
    - March 20, 2007
    - April 10, 2007
    - April 24, 2007
  - Division Talks**
    - Basin Analysis & Sequence Stratigraphy
    - Core & Sample
    - Emerging Petroleum
- Let It Flow - 2007 Convention - May 14-17, 2007**
  - Registration Opens Monday March 19, 2007
  - Avoid the Monday morning on-site registration rush... **REGISTER EARLY!**
  - On-line registration will be available using VISA or MC.
  - Registrations may also be mailed, faxed or dropped off at: Convention Department c/o CSPG office, #600, 640 8th Avenue SW, Calgary, Alberta T2P 1G7
  - Please make cheques or money orders payable to 2007 CSPG CSEG Convention.
  - Registrations received after 6:00pm (MST) Friday, April 27th 2007 will be held and processed on site. On-site registration fees will be applied.
  - Please visit [www.GEOconvention.org](http://www.GEOconvention.org) for the latest information on the 2007 Convention!
- Report to the Membership - Ayaz Gulamhussein**
  - In my July 2006 article, "Strategies for Increasing CSPG Membership," I outlined a membership development plan focusing on the "4 R's." The 4 R's which were defined as retention, renewal, recovery, and recruitment. The Membership Committee has worked on each of these "R's," and the results have been very encouraging.

## Digital Atlas Project

In March, Dawn Hodgins agreed to take the lead on transforming the WCSB Atlas into a high resolution web based format. The Atlas is currently available as text and low resolution images on the AGS website ([http://www.ags.gov.ab.ca/publications/ATLAS\\_WWW/ATLAS.shtml](http://www.ags.gov.ab.ca/publications/ATLAS_WWW/ATLAS.shtml)). The long term plan is to develop a high resolution and interactive website. Currently the committee is working on legal and logistical issues.

## AAPG DATAPAGES [www.aapg.org](http://www.aapg.org) &

A complete archive of the Bulletin of Canadian Petroleum Geology (1953-present) is available in HTML or PDF format through AAPG Datapages. This archive can be viewed but CSPG members through the MEMBERS ONLY portion of the CSPG website [www.cspg.org](http://www.cspg.org) or through the AAPG Datapages Corporate Subscription Site at [www.aapg.org](http://www.aapg.org).

At the beginning of 2007 the CSPG Memoir Collection (Memoirs 1-19) was forwarded to Datapages for digitization.

**GEOSCIENCEWORLD** [www.geoscienceworld.org](http://www.geoscienceworld.org)

The CSPG Bulletin collection at GeoScienceWorld (GSW) includes **complete papers from our Millennium Collection (2000-present), and abstracts back to 1965**. The archive can be viewed through the MEMBERS ONLY portion of the CSPG website [www.cspg.org](http://www.cspg.org) or through the GeoScienceWorld website at [www.GeoScienceWorld.org](http://www.GeoScienceWorld.org). Articles are available in either PDF or HTML format. Since the inception of GeoScienceWorld 5 new Journals have been added to this online collection for a total of 35 journals. New Journals include:

- Elements – An International Magazine of Mineralogy, Geochemistry and Petrology
- Journal of Environmental and Engineering Geophysics
- European Journal of Mineralogy
- The Canadian Mineralogist
- Geosphere

In October of 2006, The Bulletin of Canadian Petroleum Geology became available as a pay per view option, where articles can be viewed for 1 day for \$5.00US. Glen Stockmal continues to be the CSPG Representative on the GSW Advisory Council. Royalties from GSW were \$13037.78 US in 2007. Royalties are proportional to the number of hits received by our articles.

#### ***New Publications Committee***

No report submitted for 2007.

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

CSPG Representatives: Brian R. Pratt and Octavian Catuneanu.

The NACSN held its 61<sup>st</sup> annual meeting, as it always does, during the Geological Society of America Annual Meeting, this time in Philadelphia on October 23, 2006. The CSPG maintains two representatives, currently Brian R. Pratt and Octavian Catuneanu. The rest of the commissioners represent various societies and geological surveys based in Canada, the U.S.A. and Mexico. This year the SEPM (Society for Sedimentary Geology) applied to join, and in addition it was decided to invite the Servicio Geológico de México as a new member organization. NACSN discussed a variety of other issues, such as how to involve other Latin American organizations, and the formalization of sequence stratigraphic terminology. NACSN continues to act on behalf of the International Subcommittee on Stratigraphic Classification of International Union of Geological Sciences in its efforts to compile a series of summary articles describing stratigraphic practice. CSPG members are reminded that an electronic version of the revised North American Code of Stratigraphic Nomenclature is available at [www.agiweb.org/nacsn/](http://www.agiweb.org/nacsn/).

#### ***Stratigraphic Nomenclature***

Chair: Ashton Embry

Committee Members: Jim Barclay and Tony Tankard.

No manuscripts were submitted to the committee during the fiscal year.