

**CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS
2001-2002 REPORT OF ACTIVITIES**

2001-2002 Executive Committee

**Bruce McIntyre, President
John Hogg, Vice President
Dave Dean, Finance Director
Lisa Griffith, Assistant Finance Director
Dan Barson, Program Director
Elizabeth O'Neill, Assistant Program Director
Karen Webster, Service Director
Lisa Sack, Assistant Service Director
Brad Hayes, Past President**

PRESIDENT'S REPORT (Bruce McIntyre)

It has been a privilege to serve as President of the CSPG during 2002, the 75th anniversary of the Society.

A financial mainstay of the Society has become our Annual Convention. Recognizing this the Executive recommended the formation of a Convention Committee. George Eynon graciously agreed to chair the committee. The committee's mandate is to ensure that the CSPG Annual conventions are planned, chairs chosen and that there is some longer term planning given to joint conventions several years into the future. The committee has the ability to plan for and participate in smaller thematic or regional conventions. The 75th Anniversary was highlighted by our most successful stand-alone convention under the watchful eye of Gerry Reinson and the guiding hand of Lori Humphrey-Clements, our Conventions Manager. The Convention netted the CSPG \$422,000 before overhead recoveries. The CSPG also introduced its new CSPG Centre for the first time, an effort to highlight the Society, its programs and services, the bookstore, the ETF, and some of our sister organizations within a relaxed environment conducive to conversation and consumption of the anniversary logo chocolates that so many members enjoyed.

2002 saw the completion of the Society's first working Strategic Business Plan. Implementation has been in the works for several years, however, the Executive has now put in place a systematic and continuous review process to ensure relevance and adherence to the Plan, and integration with the long-standing budgeting process of the Society.

There were several publications of note in 2002. Field Notes – The Story of the Canadian Society of Petroleum Geologists by David Finch was published in time for the Annual Convention. The publication was distributed free of charge to all members. The Calendar was published with an historic theme and, as it has been in the past, was distributed to our membership. Additional copies of the calendar were printed and distributed to university students and given away at various CSPG sponsored events in an attempt to raise the profile of the Society. Memoir #19 - The Carboniferous/ Permian of the World was the first memoir published by the society since 1997. Other publication initiatives included the contemplation of reprinting the Geological Atlas of the Western Canada Sedimentary Basin. The most cost effective method would be the publication of the atlas on CD ROM.

Website and electronic access to the Society has become a mechanism to deliver services to our membership. The Society, through AAPG data pages, has undertaken the digitizing of the Bulletin. The digitizing is being done under a profit sharing arrangement with the AAPG and there is no outlay of capital by the CSPG. Once the process is complete all past Bulletins will be available through the Website to members. The membership directory is now available to members through the Society's website. The directory can be accessed using the member's login ID. Early in the New Year there will be an online searchable index of the publications of the Society. The index should make the content of Society's publications more open to the general membership. Previously the index has been published in paper form and has not been easy to update. The Society took some great strides

forward on the Web front. As a result of the introduction of the web-based version of the Society's data management system, iMIS, early in 2002, for the first time the Convention allowed for online registration. Our elections are now setup so that they can be carried out online, and next year our point of sales will be integrated with membership information so that members will be able to order publications and other CSPG products online. We have experimented with webcasts of our technical lunches. The technology is evolving rapidly and in the near future we will be able to make the technical luncheon talk available to our membership outside of Calgary.

Over the course of the fiscal year, the outreach functions of the Society were transferred to the Educational Trust Fund in an effort to align them with the agency best suited to exporting the profession to schools, universities, and the general public. Accompanying this transfer was \$75,000 in funding that the Society ordinarily spent in support of these programs. Within the ETF the coordination of these various and often disparate activities under the auspices of the University Outreach Program, chaired by Brad Hayes, has brought significant short-term punch to their combined strength, plus the promise of a dramatic impact in the future as the program begins to realize its potential nationally. The very successful fall East Coast speaking tour was the first major effort of this initiative.

The introduction of the Volunteer Management Committee under Colin Yeo and Blythe Lowe over the summer of 2002 reflects the Society's ongoing need to cultivate new volunteers and properly administer existing ones. As the needs of the Society grow, its volunteer resources have been stretched and this new committee is designed to address this shortfall, as it moves from a passive role of accepting volunteer applications to actively soliciting and 'career managing' volunteers. The resurrection of the Membership Committee under Patrick Elliott and Bill Cox fulfills similar needs. One of their first initiatives was to begin development of an electronic survey to be launched in the Fall of 2002.

On the technical side, the Emerging Resources Technical Division was created under the guidance of Matt Caddell, to reflect another area of interest within the Society.

The Executive continued its periodic discussions with the CSEG by way of exploring mutual areas of cooperation, like conventions, education, outreach, and policy. These meetings have prompted timely coordination on a number of initiatives.

As the year wore on, the Society found itself increasingly drawn into the Kyoto debate and, by August 31, had elected to move towards establishing a position on climate change under the direction of the Past President, Brad Hayes.

Over the summer of 2002 the CSPG office underwent a renovation to enable our staff to more effectively carry out their duties and serve the membership better. In closing I would like to thank the 2002 Executive Committee of the CSPG for their time and support of the Society. The opportunity to interact with the Society's Executive, Volunteers and Office staff has been an enlightening experience. I would encourage any of you that have considered volunteering with the Society to contact the Volunteer Management Committee. I am sure you will find it to be a most gratifying experience.

TREASURER'S REPORT (Dave Dean, Finance Director)

The CSPG ended its financial year of August 31, 2002 in excellent financial shape. The audited income statement showed a net profit of \$88,450.00 on revenues of \$2,115,968 and expenses of \$2,027,518. This is an improvement over year-end 2001 when the Society had a small net loss of \$6,546. The financial goal of the society is to break even or show a small profit at year-end and thus we have been successful in meeting this goal.

At year-end 2002 the balance sheet for the Society shows net assets of \$1,244,941 consisting of \$604,689 of long-term investments, capital assets of \$107,815 and the balance, \$532,437 in current assets.

The Society's financial success in the year 2002 can be attributed to a very profitable annual convention that provided net income of \$392,514, versus \$242,077 in 2001, and an increase in revenue from annual membership dues that provided a net increase in revenue of \$40,158 over 2001.

The annual dues increase last year was met with some controversy; however, the 2002 financial

statement demonstrates why this was necessary. Even with the dues increase, the Society would still be operating with a yearly loss if we simply repeated the financial success of the 2001 Convention and as a Society we depend on ever-increasing Convention profits to maintain a positive income statement.

The technical luncheons continue to break-even or show a small profit. The costs of the office increased due to renovations that will allow the staff to better serve the membership. The Bulletin and Reservoir continue to be significant expenses to the Society and the Executive is considering ways to reduce these costs.

The past year has been a difficult and volatile one as far as investing has been concerned. With respect to our investments, the Executive continues to support the maintenance of investments equal to one year's operating expense (approximately \$650,000). To this end our long-term investments at year-end 2002 equaled \$604,689, an increase of \$33,323 over 2001. Conservative investment philosophy is responsible for this investment growth. Over 70% of the Society's investments are in Canadian fixed income assets. These continue to generate steady and predictable growth. The remaining investments are in North American equity assets and while these have shown negative growth over the past year this has been overcome by the growth in fixed income value.

My tenure on the CSPG Executive has been a very rewarding and interesting experience and I'm pleased to be able to leave the Society in a very strong financial position. I want to thank my fellow Executive members that I served with over the past 2 years for their advice, commitment and dedication to managing the Society through interesting times. I want to thank all of the numerous volunteers who serve the society and ensure its continuing success and lastly I want to thank the CSPG office staff for their willing guidance and help whenever it was required.

PROGRAMS

TECHNICAL LUNCHEON COMMITTEE (Jim Gardner, Dean Bull, Tony Cadrin and Chris Seibel, Co-Chairs)

The membership of the Technical Luncheon Committee has undergone some change this year with Kari Bauer stepping down as a Co-Chair to be replaced by Chris Seibel. Kari did a great job on her year with the committee and we would like to thank her effort and contribution.

The Technical Luncheon Committee hosted nineteen talks during the 2001/2002 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.

All of this season's luncheons were hosted at the Telus Convention Centre and catered by the Marriott Hotel. The majority of the luncheon speakers for this season utilized the CSPG's two LCD projectors, which were purchased in the prior season to allow for computer-based presentations. Fourteen of our nineteen presenters utilized this format, which delivered cost effective, reliable results and some impressive presentations. We continued to use APEX Audio Visual Services to provide professional service and technical support for our luncheons, which resulted in good value with few technical glitches throughout the year.

Another development on the technology side was the more widespread implementation of Web-Cast program, wherein some of the technical luncheons are filmed and viewers are able to watch the presentation on their computer through the CSPG website. This allows for our members who were unable to make the talk, or members from across the world to have access to our presentations. We expect the Web-Cast program to grow as a valuable resource to our members this year and in following years.

The committee would like to acknowledge our speakers for the 2001/2002 season that provided us with a diverse and high quality technical program throughout the year. 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 2002/2003 season and we hope to continue to deliver a variety of excellent presentations to the CSPG membership.

September 13th, 2001

Caroline Williams

"Pedogenic-phreatic carbonates of the Middle Devonian Gilwood Member, Nipisi Field, north central Alberta"

Attendance: 418

September 27th, 2001

Shaun O'Connell

"The Second White Specks reservoir sands in Alberta and Saskatchewan"

Attendance: 636

October 11th, 2001

Carlos Bruhn

"Contrasting Styles of Oligocene/Miocene, Giant Turbidite Reservoirs from Deepwater Campos Basin, Brazil"

Attendance: 513

October 23rd, 2001

Andrew L. Hogg

"Fundamentals and the Oil and Gas Market – Are The Two Related?"

Attendance: 631

November 8th, 2001

John Suter

"Deltaic Systems: Perspectives on Facies Models and Sequence Stratigraphy"

Attendance: 722

November 27th, 2001

John Hogg and Michael Enichisque

"Atlantic Canada Exploration: Yesterday, Today and Tomorrow"

Attendance: 707

December 11th, 2001

Paul Hoffman

"Snowball Earth: Testing the limits of global change"

Attendance: 656

January 10th, 2002

Henry W. Posamentier

"Braving the World of Deep-Water Exploration; Challenges, Technologies, and Current Understandings"

Attendance: 628

January 24th, 2002
 Peter Hennings
 “Present and Future of Building, Sharing, and Exploiting 3D Models for Characterization of Strongly Deformed Reservoirs”
 Attendance: 596

February 12th, 2002
 Ashton Embry
 “Sequence boundaries and sequence hierarchies: problem and proposals”
 Attendance: 813

February 26th, 2002
 Patrick Monahan
 “The Hydrocarbon Potential of the Rocky Mountain Front Ranges in South-Eastern British Columbia”
 Attendance: 715

March 14th, 2002
 Taras Dziuba
 “Improved Volumetric Reserves Using the New CWLS Special Core Database”
 Attendance: 523

March 26th, 2002
 Andy Newsom
 “Evaluation of Foothills Natural Gas Plays using Balanced Cross Sections”
 Attendance: 620

April 4th, 2002
 Roger Slatt
 “Outcrop/Behind Outcrop Characterization of Deepwater (Turbidite) Petroleum Reservoir Analogs: Why and How”
 Attendance: 565

April 23rd, 2002
 John Harper
 “Global Continental Margins: Syndepositional/Syntectonic Settings for Offshore Exploration”
 Attendance: 585

May 14th, 2002
 Neil Hurley
 “Commercial Implications of Vug Quantification from Borehole Images and Core”
 Attendance: 474

May 28th, 2002
 Warren Hunt
 “Hydridic Earth: Alternative Geology for a Hydrogen-permeated Planet”

Attendance: 471

June 11th, 2002
 Robert Bereskin
 “Geologic And Production Characteristics Of The Lewis Shale (San Juan Basin, New Mexico) As Results Apply To Other Cretaceous "Shales" of the Western Interior: The Next Unconventional Reservoir of the Rocky Mountains, USA and Canada”
 Attendance: 465

June 20th, 2002
 Randy Rice + Bob Ryziuk
 “Oilfield Data – Its Relevance to Diamond and Pb-Zn Exploration in Alberta”
 Attendance: 423

EDUCATION COMMITTEE (Brent Wignall, Chair)

No report submitted.

TECHNICAL DIVISIONS

BASIN ANALYSIS AND SEQUENCE STRATIGRAPHY (Greg Hu, Chair)

No report submitted.

CORE AND SAMPLE (Doug Hayden, Chair)

This Division completed its second full year of existence with some significant impact on issues, which relate directly to the groups mandate. (The promotion of effective collection, storage and utilization of subsurface core and drill cuttings material)

Major Activities of 2002

The recommendation to the AEUB to revise its drill cuttings requirements to switch to submission of “vialled” drill cuttings samples instead of “bagged” samples. This resulted in the AEUB issuing General Bulletin GB 2002-14, which will require submission of “vialled” samples as of April 1, 2003. The Core and Sample Division initiated this change by polling the top 100 Operators (was actually 99 with mergers) from 2001 for endorsement of this change, and received over 93% support for the change. This change will bring Alberta in line with all the other Canadian Provinces that currently require this of operators.

Recommendation for New Core Facility for Heavy Oil Core

After considerable research and discussion regarding the future space “crunch” that is anticipated at the AEUB Core Research Centre (projected to reach maximum capacity with 7 years), the group is working on a recommendation for the acquisition/construction of an additional core facility for Alberta for heavy oil core. We will be approaching the major operators that will be affected by this change in a similar process that was used to determine the degree of Industry support for the “vialled” drill cuttings recommendation.

The two most popular meetings in the past year were:

1. Digital Photography Demonstration

This was a review of current equipment and techniques for Digital photography of core and microscope photography of drill cuttings. Approximately 50 people attended.

2. Geological “Striplog” Software Demonstration

The vendors of the 3 most popular Striplog programs demonstrated their products capabilities for detailed core and drill cuttings descriptions. Approximately 50 people also attended this meeting.

EMERGING PETROLEUM RESOURCES (E. Matthew Caddel, Chair; Gary Prost, John Varsek, Quinton Rafuse, Bill Babcock, David Marcioni, Allison Gibbs, Richard Scherer, Kevin Su, Andrew Dumont)

The Emerging Petroleum Resources Division (EPRD) is the newest division within the CSPG. The mandate of the EPRD is to provide a forum for CSPG members that are engaged in the search, characterization, and evaluation of resources that are commonly regarded as “unconventional” here in Canada. Some of the primary emerging resources that will be focused on for EPRD activities include coal bed methane, gas and oil shales, gas hydrates and very-low permeability reservoirs. All of these emerging resources have large resource estimates attached, however are currently challenged by technological or economic limitations.

Established:

Established May 2002, with inaugural brown-bag luncheon in October 2002

Current Activities:

Monthly brown-bag luncheon talks – second Wednesday of every month September through May in Conoco Auditorium at noon.
Newsletter distributed via e-mail distribution list on EPRD activities

2002 Expenses:

\$100 (4 speaker thank-you gifts estimated at \$25 each - paid by CSPG office)

ENVIRONMENTAL GEOLOGY (Ed Mathison, Chair)

No report submitted.

GEOMATHEMATICS AND COMPUTER (David Garner, Chair)

No report submitted.

HYDROGEOLOGY (Steve Grasby, Chair)

The hydrogeology division once again had an active year organizing monthly lunch-hour talks as well as a special session at the CSPG annual conference. Following tradition, a fall field trip was planned to examine the hydrogeological aspects of salt mining in Saskatchewan. Although it was fully subscribed and eagerly anticipated, the events of September 11th forced the last minute cancellation.

The special session on Hydrogeology of the Western Canada Sedimentary Basin at the Diamond Jubilee Convention hosted 12 talks on aspects ranging from regional scale flow models to water supply for tar sands development. The event was well attended and a great success.

The division Executive Committee comprised Dr. Stephen Grasby - Geological Survey of Canada (Chair), Dr. Stefan Bachu – Alberta Geological Survey (past Chair), Kent Wilkinson – Nexen (Treasurer), Phil Essinlger – Rakhit Petroleum Consulting Ltd. and Steve Burnie. Steve Burnie and Kent Wilkinson withdrew from the Committee at the end of the term.

The Committee would like to extend thanks to everyone who has participated in the events over

the last year and has helped to make them such a success. Special thanks are due to our sponsors, PanCanadian Petroleum (now Encana) for allowing the use of their theater for our lunch-hour talks and for supplying coffee, Norwest Laboratories for supplying delicious pastries at the talks, and finally Rakhit Petroleum Consulting Ltd. for providing facilities for monthly meetings of the Division Executive Committee.

The following is a list of the titles and authors of all the talks presented in the 2001/2002 year:

September 20th 2001

István Almási

'Evaluation of the possible mechanisms able to generate and maintain the overpressured regime in the eastern Pannonian Basin, Hungary'

October 17, 2001

Nick Wilson

"Constraining the Temperature and Timing of Fluid Flow at the Potential Yucca Mountain Nuclear Waste Depository, NV, USA"

December 13th. 2001

Hugh Abercrombie

"Angstroms to megametres - hydrothermal processes across 16 orders of magnitude in northern Alberta"

January 17th, 2002

Jennifer Adams

"Numerical modelling of regional topography-driven flow systems in the Alberta basin"

February 21st, 2002

Kaush Rakhit, Dan Barson and Troy Myers

"Petroleum Migration and Charge Modelling of the Murzak Basin, Libya"

March, 21st 2002

Doug Bearinger

"The slant on Hay"

April 18th, 2002

Arif I. Alkalali and Ben Rostron

"Petroleum Hydrogeology of the Nisku Formation: Approach, Techniques, and Initial Results"

INTERNATIONAL (Geoff Say, Chair)

As the current chair of this division I would like to report that we had a successful year with a full series of talks from September to June covering

some of the less well known prospects for drilling in the world such as Guyana, Bulgaria and Albania. There were also several good general interest talks. Also I would like to thank Dave Dolph and EnCana for the use of their facilities and the coffee. The first talk of the season was given by Doug Carsted in Sept on 'International Smorgasbord-Food for thought'. This was followed by:

October 2001

John Moreland

"Risks & Rewards of International exploration from the standpoint of a Canadian junior company"

November 2001

Dr John Harper

"Continental Margins:

syndepositional/syntectonic settings for offshore exploration"

December 2001

Wayne Wells

"Exploration for dry gas using surface

geochemistry and statistical modeling"

January 2002

Dr Henry Lyatsky

"Various forms of basement influence on the

North American cratonic sedimentary cover"

February 2002

Warren Workman

"The Guyana Basin: The CGX experience in a circum Atlantic basin"

March 2002

Bill Skinner

" A 600M tectonically driven lowstand and its

sedimentary response: Neuquen basin, Argentina"

April 2002

Sam Johnston
"The Maracaibo basin, Venezuela"

May 2002
Jovan Prence
"Petroleum Geology of Albania"

June 2002
Ken Jones
"Oil and Gas exploration in Romania and
Bulgaria"

PALAEONTOLOGY (Charles Henderson, Chair)

No report submitted.

RESERVOIR/DEVELOPMENT GEOLOGY (Darren Steffes, Chair)

No report submitted.

STRUCTURAL GEOLOGY (Mazhar Qayyum, Chair)

The Structure Division enjoyed another year of active participation by its members. The downtown noon-hour industry talks were organized by Janice LeDrew (Conoco Canada Ltd.) and the more informal, less industry-oriented evening sessions at the University of Calgary were organized by Mazhar Qayyum (Talisman Energy Inc.). Luc Lalonde started helping Janice to organize noon talk in November 2002 and started working independently as the co-chair from January 2002. We would like to thank Janice for her time and appreciate her efforts in organizing these talks. We organized twelve technical presentations, one slide show and two field trips mainly from October 1st, 2001 to December 31st, 2002. We would like to thank all the speakers and field-trip leaders for their time and sharing their thoughts with our group. We would also like to extend our gratitude to all the members for their active participation in these events and hope a similar enthusiastic response in 2003. Details of these well-attended events are as follows:

CSPG Structural Division Noon - Talks:

April 10th, 2001
John D. Harper; Alconsult International Ltd.
"Canada East Coast: Present and Future Basin
for all Players"

October 3rd, 2001

Mark Cooper and Marian Warren
PanCanadian Petroleum, "Analyzing extensional
fault geometry"

November 7th, 2001
Darcie Greggs; The University of Calgary
"Seismites and their occurrence in the Western
Canada Sedimentary Basin"

January 9th, 2002
Gary Prost; Conoco Canada Ltd.
"Remote Sensing of Thrust Faults"

March 5th, 2002
Andrew C. Newson; Moose Oils Ltd.
"The Use of Structural Geology Deformation
Models in the Exploration and Exploitation of
Foreland Thrust Belts with Examples from the NE
British Columbia Foothills"

April 11th, 2002
William Jamison, THE UPPER CRUST INC.
"Fault Zones: Seals or Conduits"

May 22nd, 2002
Bradford R. Burton, Shell Canada Ltd.
"Influence of Late Cretaceous magmatism on the
Sevier orogenic wedge of Western Montana, or
How Granite Emplacement May Influence
Hydrocarbon Migration and Trap Formation"

Conoco is thanked for providing the overhead/slide projectors and conference room for talks. Norwest Labs is thanked for providing abundant pastries and HEF Petrophysical for providing coffee and juices. All noon talks were held at +30 (3rd floor) Conoco Conference Centre (inside Sunterra Market), Gulf Canada Square, 401 - 9th Avenue SW. We planned to continue using the same facility next year as well.

CSPG Structural Division Evening - Talks:

December 3rd, 2001
Margot McMechan; Geological Survey of
Canada.
"Large scale duplex structures in the McConnell
Thrust Sheet, Rocky Mountains, SW
Alberta"

February 11th, 2002
Glen S. Stockmal; Geological Survey of Canada,
and Chris Beaumont; Dept. of Oceanography,
Dalhousie University
"Beyond geometry and kinematics: Some
preliminary insights into thrust-and-fold belts"

mechanics derived from numerical geodynamic models”

April 22nd, 2002

Ninth Annual Structure Group Evening Slide Show

June, 10th, 2002

Christopher Harrison; Geological Survey of Canada

“The Phanerozoic deformed belts of Northeastern Ellesmere Island, Arctic Canada”

The Department of Geology and Geophysics, University of Calgary and Professor Deborah Spratt are thanked for the use of our meeting room and projectors.

CSPG Structure Division Field Trips:

September 7th, 2002

Leaders: Deborah Sanderson, EnCana Corporation

“Transverse fault geometries and associated deformation in the Lewis and Rundle Thrust Sheets”

October 5th, 2002

Leaders: Dr. Philip Simony; Dept. Of Geology and Geophysics, University of Calgary,

“Some new insights into the structure of the Exshaw and Lac des Arcs thrusts”

SEDIMENTOLOGY (Scott Leroux, Chair)

The Sedimentology Division had a good year presenting 4 talks from September 1st 2001 to August 31st, 2002. These downtown lunch hour talks were very well attended which can be attributed to the high quality of presentations. I would like to thank the speakers and the former chair of the division John-Paul Zonneveld (Geological Survey of Canada) for their excellent work. Talks were held in the 2nd floor conference room, West Tower at Fifth Avenue Place SW.

The following is a list of the brown-bag talks presented this past year.

CSPG Sedimentology Division Noon Talks:

October 18, 2001

Michael A. Kreitner (Department of Earth Sciences, University of Western Ontario)

Emergence of the Peace River Arch: Marine and Non-marine Facies of the Doe Creek Interval,

Lower Kaskapau Formation, Peace River Plains, Alberta.

January 15, 2002

M. Scott Leroux (PanCanadian Petroleum Ltd)
Sedimentological and Ichnological Characterization of Reservoir types in a Transgressive Systems Tract, Cretaceous (Albian) Basal Colorado Interval, South Central Alberta.

March 19, 2002

Deanne Katnick (Canadian Natural Resources Ltd).

Sedimentology, Stratigraphy and Provenance of the Upper Cretaceous Nanaimo Group, Denman and Hornby Islands, British Columbia.

May 14, 2002

Lisa A. Griffith (PanCanadian Energy Corporation)

Fluvial and Estuarine/Deltaic Outcrops, Appalachian Basin

SERVICES

MEMBERSHIP COMMITTEE (Patrick Elliott and Bill Cox, Co-Chairs)

The Membership Committee was staffed and initiated its first matters of business in the first quarter of 2002. The current committee members took stock of the processes in place and have since attempted to grasp what the committee's role should be within the CSPG, what duties it should perform and how to accomplish those goals. The first initiative put forth was to address the issue of increasing the membership base. More importantly, the membership committee became initially focused on trying to understand who its current membership is and what it would take to get prospective new members, especially students, to join the society. To that end the Membership Committee designed two surveys. One designed for students and one for the general membership. The student survey was launched and interpreted by July 2002. We then successfully launched the first membership wide survey utilizing web-based tools. The survey was an overwhelming success where we gained invaluable insight into the membership, its needs and wants. We are currently interpreting the results and getting ready to roll it out to the general membership.

Student Survey:

The student "mixer" was conducted in conjunction with the UofC geological society The Rundle Club. The idea was to mix society professionals with UofC geology students to promote industry careers and CSPG membership. We had over 15 society members come out to support the event, which was a great turn out. Brad Hays addressed the students on career opportunities and outlined the benefits of membership with the CSPG. We designed and conducted a survey at the mixer aimed at gathering information to ascertain what students wanted out of a membership. We were surprised by some of the responses and the results have helped us to shape a more focused approach to marketing to students. Since that time, the Membership Committee has been working in conjunction with the Student Outreach Committee to strengthen our campus image and recruiting efforts. We expect to launch a nation wide program aimed at promoting CSPG membership at Canadian universities in the fall of 2003. That work is largely being done by the Student Outreach Committee, who reports to the Membership Committee. The Student Outreach Committee is comprised of Kris Jewett, Brad Molnar and David Kisilevsky.

General Membership Survey:

It became clear to the Membership Committee that the CSPG did not have a current grasp of its membership due to the lack of having a Membership Committee of several years. In order to promote membership with the CSPG we felt it necessary to 1) understand who the current members are, 2) what are their current wants and needs from the CSPG, 3) what can the CSPG do in order to a) retain its current members and b) entice non-CSPG working professionals in the industry to join the CSPG.

The Membership Committee then initiated a process of designing a general membership wide survey that could be accessed by email, which would hopefully increase the likelihood of participation. The results of the survey cannot be interpreted as "statistically significant" as the survey was not a random survey. We were hoping for a high (>10%) participation rate whose results could be considered being representative of the CSPG membership as a whole. We hoped that by even conducting the survey we would raise awareness and increase participation for the next survey. However, the results were

better than anticipated and we had a response rate of 37%.

Time was taken to choose questions, which would produce meaningful results. A salary survey was also conducted to add value to the survey. The results are currently being analyzed and the Membership Committee is hoping to release the information to the general membership through an article in the Reservoir in the spring of 2003.

Other Membership Issues:

The focus of the Membership Committee to date has been focused on the two surveys and gaining information about the society and its members. However, other issues still need to be addressed that fall under the Membership Committee's responsibility. Issues that need to be addressed in 2003 are: volunteer management, communications policy, membership policy, creating university student chapters and building the committee to staff all needs. After the survey has been completed, the committee will focus its energies on the operating portion of the Committee's duties.

Financial Report:

When the Membership Committee started up, it was largely a grass roots procedure and as such, there was no firm budget in place. The only major cost incurred was \$460 for the survey we conducted. All other costs were, printing, small lunches and courier costs. We believe that we probably spent about \$600 for the year.

VOLUNTEER COORDINATOR (Blythe Lowe, Volunteer Coordinator)

No report submitted.

PHOTOGRAPHIC COMMITTEE (Vic Panei, Chair)

The Committee provided photographic coverage at most of the Society's luncheon meetings, as well as at the Awards dinner and Convention. The Committee is looking for two more volunteers to share duties in taking photographs at the luncheon meetings. If interested, please phone Vic Panei at 232-7291

ARCHIVES AND HISTORY COMMITTEE (Clinton Tippett, Chair)

The business year 2001-2002 was an important one for this committee as it contained the celebration of our Society's 75th Anniversary. A number of interesting and significant projects were undertaken in this regard:

1. Oral History Project: This investigation involved the Glenbow Museum and Archives working in conjunction with historian and interviewer David Finch to record the stories of many of our Society's Presidents and other geologically prominent individuals. The C.S.P.G. funded this part of the project with the transcribed interviews being available through the Glenbow for future research.

2. 2002 Geological Calendar: This publication was built around a series of selected historical photos initially identified by former Committee Chairman Jack Porter. Working closely with Calendar Committee Chair Gary Johannson and MCI, an excellent historical document was produced.

3. 2002 Convention: The Committee contributed in many ways to the 75th Anniversary Convention including a technical session on historical issues, a film theatre and a short play at the icebreaker and minibreaker.

4. Publication: "Field Notes – The Story of the Canadian Society of Petroleum Geologists" was written by David Finch with the active support of Committee Chair Clint Tippett and many other Society members including Alice Payne, Kathy Scales, Jack Porter, Aubrey Kerr, Bill Ayrton, Gordon Williams and Don Glass. It benefited greatly from the photo archives of the Society looked after by Vic Panei. The full colour 60 page publication was completed on time and on budget with initial sales at the June 2002 Convention.

In the aftermath of the anniversary the Committee has gained the support of the Executive to undertake a proper archiving of the Society's records at the Glenbow.

GROUP INSURANCE (Robin Mann, Chair)

No report submitted.

MANPOWER SURVEY (Keith Deutsch, Chair)

No report submitted. Committee inactive.

AWARDS

PRESIDENT'S AWARD (Brad Hayes, President)

The President's award is presented to an individual or organization for outstanding contributions to the Society. This year the award is presented to Gerry E. Reinson, Ph.D., P.Geol., for his efforts in organizing the very successful 2002 Annual CSPG Convention entitled "*Our Past is the Key to Our Future*". The convention was held June 3-7, 2002 at the Telus Convention Centre in downtown Calgary. The theme of the convention centred on the Society's 75th Anniversary. The Convention was a "stand alone" affair and under Gerry's direction consisted of 225 oral and 80 poster sessions, 22 core presentations, 10 field trips and 14 short courses. The registration exceeded 2400 and netted the Society almost \$400,000. Gerry, along with his volunteer committees, put together a very successful convention both from a technical and financial standpoint.

Gerry holds Bachelors and Masters degrees in Geology from the University of Saskatchewan and a Ph.D. in Sedimentology from the Australian National University. He is an active member and Past President of the Canadian Society of Petroleum Geologists. Gerry is also a registered Professional Geologist with APEGGA, a member of the American Association of Petroleum Geologists (AAPG) and the Society for Sedimentary Geology (SSG). Gerry has extensive experience in the fields of petroleum geology, environmental geology, and marine geology. He has worked in both the public and private sectors as an applied research scientist, manager and petroleum explorationist.

Gerry's past and ongoing outstanding contributions to the Society have earned him the 2002 Presidents Award. Thank you Gerry.

HONORARY MEMBERSHIP COMMITTEE (N.J. McMillan, Chair; Ashton F. Embry; D.A.W. Keith)

Honorary membership is awarded to:

1. Persons who have made outstanding contributions to the Society;
2. Earth scientists who have made outstanding contributions to petroleum geology on a national or international basis.

Five candidates were considered and the two selected for 2002 are:

Ed Klovan, a past president of the Society who is well known throughout the industry for his contributions to carbonate sedimentology, regional stratigraphy and applications of statistics and computers to geology.

Ray Yole, a retired professor at Carleton University who has made varied geological contributions for regions throughout Canada. He has guided many students into petroleum-related careers.

Jack McMillan decided to step down as Chair and Don Keith took over the position for the coming year. Jack has been a member of the committee for 15 years and the chairman since 1989. Fortunately, Jack has agreed to remain a member of the committee.

LINK AWARD COMMITTEE (Rick Steedman, Chairman, Vaughan Allan, Tony Cadrin, Doug Flaig, Bob Leatherbarrow, Steve Minions Phil Nantais, Claude Ribordy, and Scott Trollope)

The Link Award was established in 1958 to encourage a high standard of presentation for oral papers given at the Society's Luncheon meetings.

In the year ending in August, 2000, 1999, eight of nineteen papers were eligible for the award. The Technical Luncheon committee again provided an interesting and varied slate of presentations for the Membership. The Committee felt that Paul Hoffmans' talk on December 11th, 2001 was worthy of special mention, despite being ineligible for the Link Award.

The winner of the 2002 Link Award is Ashton Embry, for his paper entitled "Sequence Stratigraphy: What It Really Is and How To Maximize Its Usefulness with a Minimum of Jargon" presented February 12th, 2002.

J.B. WEBB MEMORIAL TROPHY & CSPG TROPHY (Keith Bottriell, Chair)

John B. Webb Memorial Trophy: The Graduate award was given to Pedro Jugo and the Undergraduate Award was given to Mike Scultz.

CSPG Trophy: The CSPG Trophy was given to Nicolette Stanley.

MEDAL OF MERIT (Jim Barclay , Chair; Adam Hedinger, Mark Mallamo, Ross Mclean, Kevin Root, Rob Scammell)

The Canadian Society of Petroleum Geologists Medal of Merit is awarded annually for the "best paper related to Canadian petroleum geology" published during the previous publication year, in this case for year-2001 papers. During 2002 the Committee evaluated refereed papers published in a variety of Canadian and international journals, books and government publications and also uses searches of literature databases. Publications evaluated included those in the CSPG Bulletin, AAPG Bulletin, CJES, Geoscience Canada, GSA Bulletin, Geology, Sedimentology, Journal of Sedimentary Research, Basin Research, Palaios, Journal of Structural Geology, Tectonics, and Geological Survey of Canada Bulletins and Papers. The criteria the Committee uses to choose the best paper include relevance to Canadian petroleum geology, regional implications to western Canadian sedimentary geology, quality of the science, quality of presentation, amount of data, and presentation of new ideas and interpretations.

During the summer of 2002, the Committee reviewed tables of contents from appropriate journals and in fall 2002 we read selected abstracts and then skimmed selected papers, finally selecting a short list of the most promising papers for the Medal of Merit Award. With the usual lively discussion, the Committee chose the paper by Kevin G. Root as the "best" paper.

The paper is titled: "Devonian Antler fold and thrust belt and foreland basin development in the Southern Canadian Cordillera: implications for the Western Canada Sedimentary Basin. The paper was published in the Bulletin of Canadian Petroleum Geology, v. 49, no. 1 (March 2001 issue), p. 7-36. This paper was chosen because of its thorough regional and detailed study that provides important regional implications for the nature and style of development of the Devonian and Carboniferous portions of the Western Canada Sedimentary Basin. The regional framework of the WCSB presented in Kevin's paper provides a unique and important contribution that is applicable to exploration and research in these prolific strata.

Choosing a "best paper" is akin to being forced to choose one's favourite child. In addition to the

winning paper, there usually are equally deserving excellent papers that comprise our “short list”. We feel these papers deserve an honourable mention and also that it is a useful service to point these papers out to the CSPG membership (n.b., citations shortened here; senior authors in alphabetical order):

- Bourque, Sea-level, syn-sedimentary tectonics, Silurian – Lowermost Devonian, Gaspé Belt (Bull. of Can. Petrol. Geol., 2001);
- Lavoie and Bourque (editors), Silurian-Devonian Gaspé Belt Volume (Bull. of Can. Petrol. Geol., 2001);
- Cooper, Weissenberger, Knight, Hostad, Gillespie, Williams, Burden, Porter-Chaudry, Rae and Clark, Basin evolution in western Newfoundland (Amer. Assoc. Petrol. Geol. Bull., 2001);
- Packard, Al-Aasm, Samson, Berger and Davies, Hydrothermal Chert, Parkland Field, B.C. (Amer. Assoc. Petrol. Geol. Bull., 2001);
- Plint, McCarthy and Faccini, Nonmarine sequence stratigraphy, Dunvegan Formation (Amer. Assoc. Petrol. Geol. Bull., 2001);
- Winchester, Simon. The Map that Changed the World (HarperCollins, 2001) (n.b., although this book is not a refereed paper like our usual candidates, its description of William “Strata” Smith’s conception of stratigraphy provides a fascinating account of the foundation for much of our modern mapping and correlation practices);
- Yose, Brown, Davis, Eiben, Kompanik and Maxwell, 3D Model Norman Wells Field, NWT (Bull. of Can. Petrol. Geol., 2001).

As Chairman, I would like to thank the Committee members for their diligence in compiling tables of contents and abstracts and reviewing papers. I would also like to thank Java Energy Inc. for letting us use their meeting room for our meetings.

R.J.W. DOUGLAS MEDAL (Andrew C. Newsome, Chair) The recipient of the J.J.W. Douglas Medal was Graham Davies. For a full citation please see the March 2003 issue of the *CSPG Bulletin*.

STANLEY SLIPPER GOLD MEDAL (John Hogg, Chairman, Ed Wright, Peter Harrington, Peter Hay)

The Stanley Slipper Gold Medal is the CSPG’s most prestigious award. The award is named for Mr. Stanley E. Slipper, 1890-1982, who was the Alberta Society of Petroleum Geologists first President and a pioneer of early exploration efforts in Alberta.

The 2002 winner of the medal is Harm LaRue.

Harm was born in Long Beach, California in 1946 to Harm and Jean LaRue. Harm had two brothers and sisters and grew up in various western states graduating from High School in Las Vegas, Nevada.

Harm enlisted in the United States Army in 1966, and spent one year in Germany before being transferred to Vietnam for one year in 1967. Harm was involved with the Starlight and Infrared Unit, monitoring nighttime enemy troop movement during the peak of the war as a Squad Sergeant in the First Cavalry Division and received a Certificate of Meritorious Service when discharged.

After his military service, Harm attended California State University, Bakersfield where he obtained a B.S. in Geology in 1974. He also completed studies at California State, Fresno for an M.S. in Geology and completed all of the necessary studies, but did not defend his thesis.

Harm first worked as a Geophysical Technician at Tenneco Oil while attending university. In 1976, Harm joined Gulf Exploration and Production, in Bakersfield working San Joaquin, Sacramento and Santa Maria Basins. Harm spent his early years with considerable well site work, structural geology and sedimentology on deep marine shale and sandstone deposited in the strike-slip basins of southern California.

Harm met his wife Barb Coble, also a geologist, at Gulf in the Bakersfield office and both requested transfer to Canada in 1981. Harm and Barb’s request for a transfer was due primarily to a Canadian geophysicist training in the Bakersfield office who described the natural beauty of the area and the relative immaturity of the Western Canada Sedimentary Basin compared with the basins in California.

After 4 years at Gulf Canada Resources, Harm briefly worked for Husky Oil. Harm started with Conwest Exploration Company in 1989. At

Conwest, Harm became part of a team of complimentary skilled, highly motivated, risk-taking professionals who were encouraged to explore and build Conwest through the drill bit. Harm joined Conwest with the task of modeling both clastics and carbonates of the Triassic section of northwestern Alberta with emphasis on the Halfway, Doig, and Montney formations.

In 1991, Harm and his colleagues reviewed two old wells in the Sexsmith Area, of northwestern Alberta, both of which tested Montney formation sandstones and recovered only mud on drill stem tests. Working with a petrophysicist, these wells were determined to have bypassed pay. Harm recognized these sandstones to be of turbidite origin fine-grained sand enclosed in marine shale from his long association with turbidities in California. Using time stratigraphic markers and the sparse well information, he interpreted that these sands were likely deposited over large areas within the greater Peace River Arch area. The sands were mapped as a single canyon source spreading into multiple channel-lobes down slope and over deeper tiers of the paleo-bathymetry. The oldest channel-lobate sands, in generally, were deposited in the deeper part of the basin and progressively became backfilled with younger sands toward the east and eventually infilling the canyon scour east of the Grande Prairie Area of Alberta.

Harm and his team members then had to aggressively sell the concept to Conwest's senior management, firstly that these old wells had bypassed pay and secondly that there was a large aerial extent to the play. Without a production analog, from the Western Canada Sedimentary Basin the potential regional extent of the turbidite sands was key into pursuing this high risk, new play concept. Prior to drilling the first well, land holdings were posted focused on the most promising areas delineated by the early regional depositional model and mapping. Conwest started to accumulate a controlling land base. All this, with as of yet an unproved concept or a single drill stem test proving gas in the formation!

In late 1991, the Conwest LaGlace 08-28-74-7 W6 was drilled and the Montney formation was hydraulically fractured and was tested, flowing gas at 3 MMcf/d with an AOF of 4.8MMcf/d. The well could not be produced for another four years due to H₂S content. The well's success, started a systematic coordinated effort of land postings,

seismic acquisition and drilling, all which had been accomplished methodically and very covertly due to the one-year confidentiality and the team's mandate to dominate the emerging play. Conwest established a very strong foothold in this new and exciting Triassic Turbidite play, a play that up until then had not been aggressively explored in the basin. The effort continued for four years marching through Valhalla, Knopcik and ending 30 miles to the west in the Sinclair field with his discovery well at Conwest Sinclair 4-23-74-12W6. The Sinclair discovery well flowed at the AOF at a rate of 26 MMcf/d and became the crowning touch for the play. As the play continued formation fracturing technology developed concurrently to aid in the completions making the overall success of the project a true multidisciplinary team effort that included geology, geophysics, land, drilling, and engineering.

The Montney turbidites now has booked reserves in excess of 1.1 Trillion cubic feet of gas and the trend has produced 641 Billion cubic feet of gas to date. There are in excess of 350 wells, 14 strike areas, and at least 11 companies currently producing sour gas from the Montney.

Harm's attention to detail and the vision of a new exploration trend, in a relatively mature area should inspire all geologist that areas that appear to be established still hold promise if you concentrate on what may have been bypassed by others.

TRACKS, SERVICE AND VOLUNTEER AWARDS (Debbie Horbachewski, Chair)

The winners of the Tracks Awards for 2001-2002 were:

Astrid Arts
Kirk Osadetz
Jack Porter
Clint Tippett

The winners of the Service Awards for 2001-2002 were:

Shaun Alspach
Stefan Bachu
Wayne Bamber
Jim Barclay
Tim Bird
Keith Bottriell
Marc Charest
Pauline Chung

Memory Dimitriou
James Duggan
Wayne Dwyer
Peter Fermor
Karen Greengrass
Charles Henderson
Len Hills
Greg Hu
Pat Jans
Craig Lamb
Jason Lavigne
Janice LeDrew
Greg Lynch
Bruce McIntyre
Shannon Nelson
Dave Newman
Kevin Root
Sherry Sambourski
Gordon Stabb
Doug Stewart
Kendra Stone
Tony Tankard
Bob Thompson
Virginia Trapnell
Jeannette Young

The winners of the Volunteer Awards for 2000-2001 were:

Norbert Alwast
Beaudoin Bill
Tim Bird
Cheryl Bok
Karen Bradshaw
Christopher Collom
Mark Cooper
Gela Crane
Shaw Dashtgard
Tim de Freitas
Leah DeJong
Mike DesRoches
Angela Dowd
Dave Drover
Kim Earle
Mike Eberhard
Peter Hawkes
Peter Hay
Dale Issler
Gary Johannson
Karl Jors
Fotina Karavas
Glenn Karlen
Dave Kisilevsky
Ian Knight
Bob Kuchinski
Lem MacDonald

Richard McCreary
Marilyn Neary
Bill Orr
Regan Palsgrove
Indy Raychaudhuri
Shannon Reid
Cindy Ridsdale
Richard Scherer
Malcolm Shaw
Stacia Skappak
Jennifer Squance
Glenn Stockmal
Ed Tawadros
Richard Thom
Claudia Thompson
Louise Wayman
Bruce Wiebe
Stan Williams
Caroline Williams
Richard Wong
Jim Wood
Keith Yaxley

Special Awards were given to Eric Dahlberg and Hank Williams.

SOCIAL EVENTS

PAST PRESIDENT'S DINNER (Brad Hayes, Chair)

No report submitted.

AWARDS DINNER (Douglas Carsted, Chair)

This year's annual Awards Dinner was held at the Palliser Hotel on February 26th 2002. Past President Brad Hayes presided over the evening's events, which were attended by 150 members, spouses and guests. After an excellent dinner served up by the staff of the Palliser, the Society's major awards for professional and technical excellence were presented. The Society also bestowed Honorary Memberships on Mr. Cal R. Evans and Mr. Robert J. Weimer. As part of the Society's 75th Anniversary Celebrations the special guest speaker was Dr. Pappy Wells who recounted 75 years of oil patch history for the gathered guests.

MEN'S ANNUAL GOLF TOURNAMENT (Bob Nixon, Chair)

The 2002 CSPG Men's Golf Tournament was held at the Elbow Springs Golf Club for the sixth year. As in the past, sufficient entries were received to generate a healthy waiting list, however due to cancellations almost everyone was accommodated including a number of new applicants even though some had to wait until two days before the start of the tournament. As in past years, corporate sponsorship was very supportive and enabled the organizers to balance revenue and expenses once again. Every par three had an on-course hole sponsor, which provided food, refreshments and/or a hole-in-one contest that contributed substantially to the ambiance of the event. The weather was ideal for Friday's final matches and scramble teams enabling the golfers to be at their best.

The 2002 CSPG Men's Golf Tournament Champion is Don Slater, who prevailed over Bill Carr and Dave Crows haw in an 18-hole stroke play final round. Don has been a runner-up in the past and finally broke through for his first win. The best chuckwagon team was lead by team captain Richard Edgar. Other members of his team were Brian Fyke, Allan Ohlhauser, Gordon Beach and David Eley who won with a score of 14-under. With the teams playing from the white tees most of the par fives were reached in two giving many teams opportunity for eagle. A very noteworthy event occurred in 2001 that was not mentioned in last year's report. An extremely rare double eagle (albatross) was scored by Mike LaBerge in the scramble (chuckwagon) when his fairway shot went straight into the hole for a score of 2 on a par 5, something that has never been done before in this event.

The organizing committee under Bob Nixon as Chairman consisted of Mike LaBerge, John Williams, George Bowley, Bruce Alexander, Richard Chisholm, Ian Walker, David Eley, Foon Der, Cliff Herman, Jim Hunter, Frank Pogubila, Paul Patton, Steven Oldale, Dave Robinson, Fred Pember, Gerry Nyberg, Kevin Lounsbury, Dion Lobreau, Guy Metcalfe, Clark Damer, Ron Newman and the late Tony Sequeira. The Tournament offers condolences to Tony's former co-workers Jim Hunter and Shaun Alspach as well as his family due to his sudden passing on Sept. 22, 2002.

The men's Golf Tournament thanks all the 2002 sponsors for many years of continued support for this competitive event with a significant social component. Their official acknowledgement will

appear along with the entry form for the 43rd Tournament in the April *Reservoir*.

Here is a summary of the results of the 2002 CSPG Men's Golf Tournament

Flight No.	Flight Winner	Flight Runner-up	Trophy Sponsor
1	Don Slater	Bill Carr, Dave Crowshaw	Newman Expl. Consultants
2	Gary Freeman	Perry Dyck	Outtrim, Szabo Assoc
3	Dave Robinson	Dwayne DuBourdieu	Rana Resources
4	Martin Quinn	Steve Aberg	Beaver Drilling
5	Jay Yourk	Mark Powell	Pro Geo Consultants
6	Ed Fogg	Travis Johnson	Wildcat Scouting Services
7	Gord Yeo	Dennis Campbell	Hycal Energy Research
8	Cliff Herman	Sandy Lyon	Townsend Field Scouting
9	Bill Smith	Fred Turner	CDX Resources
10	Don Reid	Roger Baekeland	Petrocraft Products
11	Bruce Alexander	Chuck Boreski	Quality Trophy & Engraving
12	Earl Hawkes	Paul Patton	Paramount Resources
13	Don Munro	Mike LaBerge	Sproule Associates
14	Pat Ward	Colin McNeil	Core Laboratories Canada
15	Ian Nicholson	Bob Park	Codeco Consulting Inc
16	Eric Wong	Steven Oldale	Gabel Energy Inc
17	Bob Rokosh	Ian Holmes	Microtech Wellsite Consulting
18	Terry Dey	Cal Gabel	Divestco.com
19	Steve Reece	Tony Raimondi	Empire Energy
20	Larry Love	George Norgard	Arcis Corporation
21	Michael Fawcett	Rick Nash	Gilbert, Laustsen, Jung Assoc
22	Kevin Lounsbury	Guy Metcalfe	Canadian Discovery
	Keeper Trophies	Flight Winners	AGAT Laboratories
	Don Quinn Memorial	Sportsmanship	Martin Quinn
	J.F.Allen Memorial	Chuckwagon Winner	Continental Laboratories (1985)

Chuckwagon Teams

Winners Richard Edgar
 Brian Fyke
 Allen Ohlhauser
 Gordon Beach
 David Eley

MIXED GOLF COMMITTEE (Dick Willott, Chair)

The 13th annual CSPG Mixed golf tournament was held at D'Arcy Ranch on August 23rd, 2001. Another nice sunny day, and a full slate of 144 participants.

The Low Gross trophy was won by the team of Steve Rosenstein, Ron Hill, Lyne Sattlegger and Carter Clarkson; Low Net was captured by Gregg Perras, Bill Sattlegger, Joan Tittlemore and Eric Truillot; the High Gross trophy was awarded to the *very honest* team of John Trosch, Pat Halbauer, Tony Sequeira and Wayne Dwyer.

Organizing the tournament were Dick Willott (chairman), David Middleton (registration), Ron Britton, David Caldwell, Gord Gilmour, and Byron Cowley (sponsorship), Penny Harley researching and arranging giveaways, Rick Sereda looking after the prizes, Norm Hopkins doing the trophies, and Jane Crandall looking after miscellaneous duties, including scoring.

Many thanks to all the committee members; their hard work is greatly appreciated by all attendees. Thanks to all the sponsors and contributors, especially to Financial Management, our Main Sponsor, for their continuing and generous support. Our sponsors will be recognized with a slide and some kind words at a technical luncheon, possibly December. And, finally, thanks to all our members who came out for another fine day of golf and socializing.

Next year's tournament will be held on August 22, 2003 at D'Arcy Ranch. If you or your company would like to be a sponsor, or if you feel you would like to contribute a few hours to helping with the organizing, please contact Dick Willott at Boyd PetroSearch (543-5387, or email dickw@boydpetro.com).

SQUASH TOURNAMENT (Dwayne Sparks and Brian Fyke, Co-Chairs)

The 19th Annual CSPG Squash Tournament was a great success. The tournament had 125 participants whacking squash balls, socializing, and talking rocks. Our generous and committed sponsors enabled us to put on a first rate tournament and provide lots of refreshments and prizes. As organizers we would like to thank all of our sponsors for their support.

Premier Sponsor: Tucker Wireline Services.

Platinum Sponsors: Baker Hughes Canada, Northstar Drillstem Testers, Reeves Wireline,

Request Seismic Survey Ltd, Geo-X Systems Ltd., Pason Systems Corp., Geo-Logic Systems Ltd., Solid State Geophysical Inc., Global Link Data Solutions Ltd., ECL (Decollement), Tokpella Resources Ltd., Belloy Petroleum Consulting Ltd., Wellsite Gas Detection Inc.

Gold Sponsors: AGAT Laboratories, Bluecastle, Core Laboratories Canada Ltd., Datalog Canada Ltd., IHS Accumap Ltd., Kelman Technologies, Maxxam Analytics Inc., Hycal, Meloche Monnex, Northwest Labs, Pro Geo Consultants, Rakhit Petroleum Consulting Ltd., Sensor Geophysical Ltd., Veritas Geoservices, Schlumberger, Waterous Securities, and Zirco Ltd.

Sponsors: Sproule, Qmax, Continental Laboratories Ltd., Seisview Ltd., Varidata Surveys Ltd., Winterclub, Copyseis, CSPG.

Special thanks to Committee members: Kent Wilkinson, Andrea Henry, Colin Thiessen, Alan Rutherford, Randi Christiansen, Andrew Royle, and Randy Smith. Without the strong committee support the tournament would not have been the success that it was.

Tournament Champions:

Men's A	Dave Safton
Men's B	Dennis Johnston
Men's C	Greg Loughlin
Men's D	Dave Christensen
Men's E	Simon Brame

Women's A	Karen Blakely
Women's B	Carol Laws
Women's C	Ann Burrage
Women's D	Jessica Kubke
Women's E	Jennifer Dunn

10K ROAD RACE AND FUN RUN (Boe Baskerville, Chair)

No report submitted.

CSPG/CSEG ANNUAL HOCKEY TOURNAMENT (Frank Pogubila, Chair)

No report submitted.

OUTREACH PROGRAMS

PUBLIC AFFAIRS COMMITTEE (Jon S. Dudley, Chair; Stan Williams; Jon Greggs)

The past year marks the first with a new Public Affairs Chair and Committee. One of the first tasks was to define the mandate and priorities of Public Affairs. It became apparent that Public Affairs are predominantly about communication with the “public”. The “public” includes the general community, potential CSPG members among geologists and geology students, and of course CSPG members themselves. It is the role of the PA Committee to facilitate communication across and between all of these groups. Accordingly the committee activities comprise the following categories: communication materials, dissemination of materials at public events, community support, and education outreach.

Communication Materials

Trifold Display

A portable display was designed to include CSPG background information, CSPG history, and other attractive graphics from past Reservoir covers. The third panel on the display can be customized to suit any event. This trifold serves as a CSPG focal point for attendees at mixers, and other public events. Last year it was used at the IMAX Honorary Address Geology Film Festival, the APEGGA U of C Mixer, CSPG Core Conference, and the WIUGC in Edmonton. It is hoped that other committees such as University Outreach and Membership can use this display for some of their events.

CSPG Portfolios

In order to assist in distributing CSPG materials a portfolio had been designed and printed some years ago but these had been relatively under-utilized and were sitting in storage. The PA Committee has assembled a standard set of materials which have been inserted into a “ready to go” stock of these portfolios. CSPG members who may be representing the society at some event are now able to access these assembled information packages for distribution. A typical assembled portfolio contains a summary sheet of membership benefits with directions to the website, a past issue of the Reservoir, a membership application form and commonly a sample of the current CSPG calendar.

Membership Benefit Summary Sheet

As an initial draft of a new electronic brochure, a single sheet summary of membership benefits

was created and is currently printed for the portfolios on an “as-need” basis. This sheet will be reworked into an electronic brochure that can also be loaded onto the website and printed as hard copy as needed for distribution at events. The summary sheet emphasizes the benefits of membership in the categories of Continuous Learning / Lifelong Education, Networking, and Public Awareness with the tag line “Petroleum Geology Shouldn’t Be Just A Job”.

CSPG Acknowledgement Poster

In order to ensure acknowledgement of CSPG sponsorship and support of various events such as student conferences, a PDF version of a colour poster was designed. This poster is either emailed or shipped as hard copy to organizers for posting at their respective event. The poster congratulates the organizers on their successful efforts and identifies the support of the CSPG. Thanks to J. Croft for her effort in designing this poster.

Event Attendance

PA attended and/or supplied the above communications materials to a number of events in the past year. These include the following:

- U of A Science Career Fair
- CSPG/CSEG Honorary Address IMAX Film Festival
- APEGGA Mixer at U of Calgary
- Atlantic Universities Geological Conference
- AAPG, Houston
- CSPG Core Conference
- Western Interuniversity Undergraduate Geology Conference
- Maritime Lecture Tour (annual)
- Rundle Group (U of C) Mixer
- Petroleum Society CIM Halifax Deepwater
- Clastic Reservoir Course

Community Support

The CSPG gladly supports many other groups in the community at large through buying ad space and / or providing in-kind sponsorship. Examples of these activities in the last year include:

- SAIT Yearbook (ad to congratulate grads)
- Alberta Federation of Police Associations (ad in annual yearbook)

Foothills Hospital Country Auction (approved request in '02 to provide bronze as fund raising auction item, to be provided in '03)

Education Outreach

Though other bodies within the CSPG organization support outreach to the general public through ETF sponsorship of activities such as the annual Honorary Address and the nationwide EdGeo program (a series of teacher workshops co-ordinated by the Canadian Geoscience Education Network of the Canadian Geoscience Council), the PA Committee also plays a role.

The PA Chair represents the CSPG at annual CGEN (Canadian Geoscience Education Network) meetings. This is partly as a result of inter-societal meetings held at GeoCanada 2000 that identified public outreach / education as an area of strong common interest. It was further decided that representation and participation in CGEN was the most expedient way to capitalize on synergies between societies in education outreach efforts.

As a result of attending the CGEN meeting in Vancouver, January 2002, CSPG PA has commenced involvement in the development of an Earth Science Careers Website to be used as a resource for high school students and / or career councilors. CSPG PA is to produce a website on the Petroleum Geologist Career. This will then be used as part of the CSPG website and as a prototype for CGEN to use in soliciting similar contributions from other geoscience organizations on additional earth science careers and thereby build the larger Earth Sciences Careers Website.

PA has started to build a team to tackle this project and will continue to do so in the next fiscal year with an emphasis on recruiting educators and high school students. Another priority will be to solicit occupational profiles from a number of CSPG members spanning the breadth of demographics and subdisciplines within Petroleum Geology.

Also as a result of CGEN participation, the PA Chair represents the CSPG as the Publicity Chair for the upcoming GeoSciEd IV conference, August 10-14, 2003 in Calgary. This is the fourth international conference of the International Geoscience Education Organization designed to

bring together geoscientists and teachers (elementary to university) from around the world to share ideas and concepts on how to deliver geoscience education. The CSPG is also contributing to this conference through the Convention Committee (George Eynon, Chair).

In the past year PA provided input to the Alberta Learning Careers website including reference to the CSPG website.

Looking Ahead

In the coming year, the following are priority activities for the PA Committee:

1. Recruit additional committee members
2. Improve the layout and design of the trifold display
3. Redesign and print portfolios
4. Maintain a stock of publicity materials and ensure all other CSPG committees are aware of their availability
5. Design electronic brochure based on the benefit summary sheet
6. Build team, plan and create the Petroleum Geologist Career website

In the longer term, PA anticipates projects to address the following:

1. Improve materials for general public events (e.g. customize the trifold, stock give away novelty items, establish a use for the rock sample kits, develop activities for public at general events such as Geology in the Mall)
2. Build stronger ties with media
3. Address the need for a coordinated outreach program to schools (e.g. with APEGGA, Petroleum Communication Foundation, Canadian Centre for Energy Information)

Acknowledgements

Thanks to the CSPG office staff for its help and support. J. Croft as Communications Manager has been particularly helpful with her perspectives and desktop publishing expertise. T. Howard is critical in keeping PA aware of communication opportunities.

CONFERENCES, CONVENTIONS, SEMINARS AND SYMPOSIA

COMMITTEE ON CONVENTIONS (George Eynon, Chair)

Our CSPG Executive created the Committee on Conventions—a new standing committee for long-range planning for CSPG conventions—in late 2001 with the mandate to improve both the technical and operational aspects of our program. The committee is mandated to take a broad, long range planning view, as well explore options outside the traditional annual convention format. We are developing a number of alternative “convention” styles.

The committee is a group of individuals with diverse interests and backgrounds: John Cody (EnCana), George Eynon (GEOS), Peter Goetz (El Paso), Steve Grasby (GSC), Tom Moslow (Midnight Oil), and Roger Walker (consultant). John Varsek (EnCana) was an original member but has too much on his plate at the moment. Lori Humphrey-Clements, the CSPG office events coordinator, ably supports us.

Winter Mini-Conference: “N Alberta Hydrogeology & Gas-Over-Bitumen” - 2004

First, the CSPG is resurrecting the “Banff Conference” style of single topic mini-conference in the early part of the year. These will be an annual series of 2-day mini-conferences on specialized topics, at a location close to Calgary to minimize travel time and expenses. An excellent way to seed this conference series is through the CSPG Divisions—Hydrogeology, Sedimentology, and Structural geology, Environmental geology, etc. The size of such events would vary with the topics but we contemplate a relatively small group—around 100 to 200 participants? —attracting top-notch speakers. We will also need to attract corporate sponsorship, either for a multi-year series or on a conference-by-conference basis.

The first such conference is scheduled for February-March 2004 on northern Alberta regional hydrogeology and gas-over-bitumen issues. With the likelihood of the gas-over-bitumen issues continuing to be politically sensitive, the committee agreed that a CSPG sponsored conference would provide an apolitical forum for scientific discussion. Steve Grasby, Dan Barson and Phil Esslinger have volunteered to co-organize the event. It will likely have a four half-day sessions—on regional and local water supply issues, disposal of produced water, the origins of the tar sands, and the geological aspects of the gas over bitumen

issue—each with 4-5 invited speakers and a lengthy moderated panel discussion.

Annual Fall Core Conferences: “Dolomites” - 2003

Second, we want to capitalize on the success and popularity of the 2-day core conference, which has been an integral part of the annual convention for many years now. An annual stand-alone core conference in October-November will provide an additional opportunity for CSPG members to get back to the rocks.

The first such event—planned for 2003—will focus on dolomites and be organized by Graham Davies, Jeff Packard & Bill Martindale. The session will have a broader perspective than just hydrothermal dolomites, and include a comprehensive re-evaluation of the range of dolomite types in western Canada. It is intended to be a first class event combining a seminar session with a core workshop involving invited speakers and open contributions in both. The organizers hope to produce a CSPG publication—a Memoir, CD, or Bulletin Special Issue—of international significance.

Joint Conventions

Joint conventions make so much sense at a time when time and resources are scarce for us all. There is much to be gained both for our members and the exhibitors by conducting joint conferences. A strategy needs to be in place for partners, date and venues least five years in advance. We clearly do better financially with certain partners or by ourselves, but the focus needs to remain on the quality and content of the convention and conference program for our members. We will analyze the financial results and technical success of conventions, and develop mechanisms for net revenue sharing among participating societies.

We have some traditional partners, but we are looking at a broader range of joint-meetings in setting up a long-term schedule. It is important for our members to repeat, periodically, the successful joint CSPG-CSEG conventions. Planning is underway with the CHOA and CWLS locally for 2004, and discussions have begun with RMAG (the Rocky Mountain Association of Geological Societies) and/or AAPG's Rocky Mountain Section possibly for 2006.

2004 CSPG-CWLS-CHOA Convention

The CHOA (Canadian Heavy Oil Association) and CWLS (Canadian Well Logging Society) have both identified their co-chairs for the convention—Messrs. Daryl Wightman (EnCana) and Ken Faurshou (Schlumberger) respectively, and have also identified several other individuals who will be involved.

The three co-chairs will develop an organizing committee over the fall of 2002 and have plenty of lead-time before presenting their technical program themes and sessions, field trips and short courses, publicity and sponsorship plans, etc., by September 2003. It is the intention of all three societies to have as many joint, interdisciplinary sessions and technical presentations as possible. The Stampede Park's Round-Up Centre has been booked for this event for May 31-June 2, with the core conference to follow at the EUB Core Research centre June 3-4.

2005 AAPG Annual Meeting & Convention, Calgary

The AAPG is returning to Calgary after more than a decade—it was last here in 1992—and the meeting will once again be at the Stampede Park facilities. John Hogg (EnCana), who is the CSPG's President-elect for 2003 and who is extremely active in AAPG affairs, will be the General Chairman for the meeting.

Convention Operations Issues

Our group is charged with a number of other tasks. We are developing a roster of future convention chairs, from volunteers who have excelled in previous conventions, and welcome member suggestions and volunteers for general chairs and other organizing committee positions. The committee will also help set standards for print and electronic submission of abstracts and codify format, length of abstracts, abstract deadlines and review process, as necessary, to make the process easier. We will also review and update the convention operations manual with the outgoing convention committee and CSPG staff.

2002 DIAMOND JUBILEE CONVENTION COMMITTEE (Gerry Reinson, General Chair)

The 2002 convention was held June 3-7, 2002 at the Telus Convention Centre and the AEUB Core Research Centre. Because December 17, 2002 marks the 75th anniversary of the founding of the Society (initially as the Alberta Society of Petroleum Geologists), the Organizing Committee felt it appropriate to highlight this Diamond Jubilee as the focal point of the convention. The adopted theme, "Our Past is the

Key to Our Future", reflects both this historical perspective and the need for our Society to look ahead to the next 75 years.

Similar to the 2001 convention, the 2002 Diamond Jubilee Convention was a CSPG 'stand-alone' event. It was felt that because of the 75th anniversary, a celebration exclusive to our Society was most appropriate and warranted.

Planning for the Diamond Jubilee Convention began in earnest in the winter of 2001. Initial activities were confined to planning of the Organizing Committee structure, followed by the choosing of the overall thrust and related theme, and design of the 75th Anniversary logo. Much consideration was given as to how the Organizing Committee should be structured before volunteers were recruited for the various committee chairs. The Core Organizing Committee consisted of 14 volunteer Chairs and Lori Humphrey-Clements, CSPG Convention Manager, as well as 15 subcommittee organizers. An additional 60⁺ volunteers were recruited by the various committee and subcommittee chairs, generally for short-term and onsite activities.

In addition to the convention committee volunteers, an honorary chair was established to commemorate the CSPG 75th anniversary year. Mr. Jack Porter was approached to be the honorary chairman because of his outstanding record both as a petroleum geologist in Canada and as an active and dedicated member of the CSPG for more than five decades.

The CSPG Diamond Jubilee Convention Committee is listed below:

Core Convention Committee

General Chair	Gerry Reinson
Honourary Chair	Jack Porter
Technical Program	Jim Barclay
Oral Presentations & Posters	Kirk Osadetz
Corporate Relations	Tim Bird
Sponsorship	Shaun Alspach
Exhibits	Wayne Dwyer
Marketing/Publicity	Astrid Arts
Finance	Pauline Chung
Logistics & Registration	Craig Lamb
Special Events	Memory
Dimitriou	Shannon Nelson
Publications	James Duggan
75 th Anniversary Committee	Clint Tippett

CSPG Conventions Manager Lori Humphrey-Clements

Sub-Committee Members

Core Conference	Jason Lavigne Pat Jans
Field Trip	Chris Collom Jeannette
Young	
Short Courses	Doug Stewart
Judging & Awards	Ed Tawadros
Registration	Dave Newman
Planning Support	Richard Scherer
Audio-Visual	Kendra Stone
Special Arrangements	Bill Orr
Convention CD	Jamie Babineau
Volunteer Coordinator	Karen
Greengrass	
IceBreaker	Karen Bradshaw
Luncheons	Stacia Skappak
Volunteer Party	Richard Wong
Speaker's Breakfast	Shaw Dashtgard
Core Meltdown	Louise Wayman Malcolm Shaw
Student-Faculty Reception	Leah Dejong
Long-time Members Reception	Regan Palsgrove
Sponsorship Committee	Jay Williams

It was decided at the outset to focus on delivering a strong technical program so that our members would want to attend and participate in all aspects of the convention. The technical programs, facilitated by Jim Barclay with Kirk Osadetz as Vice-Chair, consisted of 225 oral and 80 poster presentations, 22 core presentations, 10 field trips and 14 short courses. By all accounts this technical program was considered to be one of the best ever offered at a CSPG convention. Consequently our registration numbers exceeded 2400 individuals, including students and exhibitors. The success of the technical program is reflected in the financial success of the convention, discussed below.

Corporate sponsorship from 41 companies generated \$118,750.00 in donations and over 70 exhibitors contributed an additional \$134,000.00 in revenue. It should be noted here that without the continued strong support of corporate sponsors and exhibiting companies, the Society would be unable to undertake a consistently profitable and viable convention year after year.

Special events featured the standard Ice-Breaker (with a 1920's theme), the Core Meltdown, long-time member and student-faculty receptions, and

a post-conference volunteer party. All these events were extremely well attended, in fact some were overflowing. The two special luncheon events were sold out (Monday June 3 and Wednesday, June 5), with both speakers, Dr. Sylvia Earle and Mr. Dave Broadfoot providing highly enjoyable presentations of a scientific and humorous nature respectively.

The 2002 Diamond Jubilee Convention was a success from a financial point of view as well. The following numbers indicate that the annual convention is no longer a 'fly-by-night' undertaking. Overall revenue was in the order of \$1.1 million with expenses in the range of \$750,000. Net income to the society was \$344,000, an outstanding achievement for a "stand-alone" convention.

By all accounts the 2002 Diamond Jubilee Convention was deemed a resounding success – befitting the 75th anniversary year. As General Chairman, I wish to record my appreciation and gratitude to the Convention Committee volunteers, their employers, the exhibitors, the corporate and government sponsors, and all the CSPG members who supported the convention through their participation and attendance. In particular our society must not forget that without individual volunteers and the support of their employers, our annual convention could not even take place. From a personal point of view, I thank all those committee members for the privilege of working with them for over 1½ yrs. It was truly a wonderful experience.

2003 CONVENTION COMMITTEE (Wayne Foo, CSPG General Chairperson; Jim Stenhouse, CSEG General Chairperson)

As noted above by Gerry Reinson, the outstanding celebration of our history in Diamond Jubilee 2002 will be hard to follow. But follow, and lead, we must.

In 2003 the CSPG will return to a longstanding practice, begun in 1975, of Joint Conventions with the CSEG. This is the first 2-way collaboration since Exploration Update '94 and has led us to the theme, "PARTNERS IN A NEW ENVIRONMENT".

Our business is ever more complex as we integrate new technologies, adapt to new regulations, accommodate the interests of new stakeholders and investors, and find new ways of

doing business with and learning from one another. "Partnership" is a word that has far deeper meaning today than ever before.

Working with the CSEG is a clear expression of the "Partners..." theme, and the technical and events programs are being constructed to bring all our participants into the partnership of our convention. These expanded programs will serve all our partners in the Convention – our two Societies, exhibitors, sponsors, students, governments and our own partners and spouses.

"In a New Environment" will also apply – the Round Up Centre at the Stampede Park will provide the space we need for the larger attendance and expanded indoor and outdoor exhibits.

The organizing committee has both CSPG and CSEG membership. CSPG representation consists of:

Technical Program	Mark Cooper
Core Conference	Pat Jans
Field Trips	Ralph Rudser
Short Courses	Nathan Bruder
Posters	Roger Fife
Judging & Awards	Maggie Stratton
Abstract Submission	Satinder Chopra
Logistics	Kendra Stone
Events	Louise Wayman
Sponsorship	James Lamb
Publicity / Marketing	Cheryl Wright Karen Greengrass

Finance	James Burns
Registration	Bob Macdonald

Visit www.cspg.org for updates and more information on CSPG / CSEG – PARTNERS IN A NEW ENVIRONMENT.

SOCIETY LIAISONS

AAPG HOUSE OF DELEGATES (Dave Scott, Chair)

No report submitted.

NORTH AMERICAN COMMISSION ON STRATIGRAPHIC NOMENCLATURE (NACSN) (CSPG Commissioners R. W. Yole and Brian R. Pratt)

As usual, the 2001 meeting of NACSN was held at the Geological Society of America annual meeting. CSPG was represented at the NACSN meeting by Ray Yole. The detailed proceedings of NACSN are published biennially in the AAPG Bulletin. The summary below presents highlights of the 2001 meeting, which may be of interest to CSPG members. Further details if required may be obtained by contacting Ray Yole or Brian Pratt, or at the NACSN website hosted by the American Geological Institute: www.agiweb.org/nacsn/. Chairman Bruce Wardlaw (USGS) and others commented on the urgency of the need to publicize and extend the use of the North American Stratigraphic Code*, particularly in its application to naming of stratigraphic units and designation of type sections. NACSN Notes on applications for amendment to the Code (Note 63, consistency of Code articles, and electronic publishing; Note 64, revision of Articles 48 to 54 of the Code, Biostratigraphic Units) appeared in AAPG Bulletin v. 85, no.2 (February, 2001), p.366-371 and 372-375. Such amendments may be considered for formal adoption at an annual meeting not less than one year from date of publication, allowing time for comments from the scientific community. Since publication, several comments on these two proposed amendments have been received by NACSN. These are to be investigated by a committee of NACSN for consideration at a later meeting.

The Chair of NACSN is to nominate a committee to review the case for possible amendment of the Code to include hydrostratigraphic units.

The successful 2001 Hedberg Conference in Dallas on Sequence Stratigraphic and Allostratigraphic Principles and Concepts, sponsored by NACSN, attracted 55 participants from diverse geoscience backgrounds. Discussions resulted in mainly strong negative opinions on formal inclusion of sequence stratigraphic units in the Code, and a suggestion that this topic be revisited in 10 years. Meantime, however, there was consensus on mention in the Code of the present informal nature of sequence stratigraphy, but no agreement on definitions of "sequence". Strong support was expressed for the continued use of allostratigraphic units, and for the inclusion of volcanic rocks in this category of units in the Code. Commissioner Owen (NACSN representative on the Working Group on Sequence Stratigraphy of ISSC**) recommended NACSN action on clarification of

such terms as “discontinuity”, and the distinction between “alloformation” and “synthem”.

NACSN Commissioners Owen and Mancini, plus Dr. John Van Couvering, were appointed to prepare a recommendation with respect to mention of sequence stratigraphy in an appropriate section of the Code, and how such an addition would relate to changes proposed in recently published NACSN Note 63. Commissioners Lucy E. Edwards (USGS) and Brian R. Pratt (University of Saskatchewan) was elected to serve as Chair and Vice-chair, respectively, for the 2001-2002 session of NACSN.

*NACSN, 1983, AAPG Bulletin, v.67, No.5, p.841-875.

**International Sub-commission on Stratigraphic Classification

CSPG/APEGGA LIAISON (Peter Putnam, Chair)

No report submitted.

CSPG/GAC LIAISON (Terry McCoy, Chair)

No report submitted.

PETROLEUM COMMUNICATION FOUNDATION LIAISON (Kathryn Scales, Liaison)

The Petroleum Communication Foundation is a non-profit organization whose purpose is to increase Canadians’ awareness of our country’s petroleum industry. PCF products – including booklets, brochures, learning resources and Internet resources – on virtually all aspects of the Canadian oil and gas industry are used by the general public, students, educators, employees of oil and gas companies and related industries, government representatives and the media. The CSPG has been a member of the PCF for over 15 years. The following report summarizes many of the new initiatives PCF has undertaken since CSPG’s last annual report.

EDUCATION

New Classroom Materials

In 2002, PCF added two teacher guides and a discovery booklet to its classroom materials

product line, for a total of nine classroom resources.

The *Petroleum – the Source of So Much* discovery booklet was created in 2000 to introduce junior high students, teachers, and parents to the world of products made from petroleum and petrochemicals. A new teacher guide created this year to accompany the booklet expands on the number of learning activities in the booklet and provides helpful hints for teachers.

In October 2002 PCF also released a new discovery booklet, entitled *Drive – The Way Life Moves*, and an accompanying teacher guide. The booklet is connected to grade 10 and 11 curriculum. It uses the popular theme of transportation – particularly automobiles – to provide real-life examples of the use and impact of petroleum resources in our daily lives. The activities explore petroleum’s role in a motor vehicle’s full life cycle and provide students with opportunities to investigate how science and technology are applied in vehicle design, production and operation.

In 2002, PCF also entered the world of online learning by creating interactive online activities to serve as extensions to the following learning resources:

- *Canada – Fueled by Resources* (grades four and five social studies, English language arts, and information and communication technology)
- *Earth Really Rocks* (grade three science and information and communication technology)
- *Energy Machines* (grade four science and information and communication technology)
- *Counting on Gasoline* (math 8 and 24, applied math 10 and 20, information and communication technology 8 -11)

Teachers, parents and others can download classroom materials for free from the PCF Web site at www.pcf.ca/educators/educational_resources/default.asp

This year PCF also joined a consortium of organizations developing an online portal of science-connected interactive educational

activities for Alberta students. The *SciQ* project will go live in 2003.

Teacher Conferences

Between the fall of 2001 and 2002, PCF will have participated in six Alberta education conferences and will have distributed close to 5,000 copies of its educational resources to the approximately 26,500 Alberta educators in attendance. In 2002 PCF sponsored both the Alberta Teacher's Association Science and Social Studies conferences.

The Foundation also contributed about 100 complimentary copies of classroom resources to EdGeo workshops in Drumheller, Calgary and Dartmouth, Nova Scotia.

Careers Database

The Petroleum Careers Database project was completed in late 2001. The Careers Database is a separate mini-site accessible through the main PCF Web site, and includes concise descriptions of 150 career opportunities in, and related to, the petroleum industry. Each job profile features a job description, required education level, working conditions, and salary and job future.

Introducing Petroleum into Alberta's Social Studies Curriculum

Alberta Learning is re-evaluating its social studies curriculum for grades K to 12. In 2001 PCF met with the Minister of Learning, Dr. Lyle Oberg to present a case for incorporating petroleum into Alberta's social studies curriculum. The Minister indicated his agreement with this concept and designated ministry staff to work with the Foundation on specifics. PCF will have an opportunity to review a revised draft document of the new curriculum in the fall 2002.

PUBLICATIONS

Brisk demand led to a reprint of *Canada's Pipelines* less than two years from the date of original publication. A total of 15,000 copies of this booklet were printed in 2000.

NEW PUBLICATIONS

The latest in PCF's series of booklets on Canada's petroleum resources, *Canada's Crude Oil Resources*, was completed in late 2001. This

comprehensive booklet discusses the importance of crude oil to our everyday lives and describes how it is found, produced, transported and refined. *Canada's Crude Oil Resources* also details the increasing importance and challenges of recovering oil from conventional oil fields, explains the environmental impacts of oil production and use, and discusses the current and future supplies of crude oil in Canada.

In 2002, PCF focused its publication development time and budget on starting the seventh edition of *Our Petroleum Challenge* – the Foundation's flagship publication. Work on the new edition will continue into 2002, with an anticipated launch in mid-2003.

WEB SITE

Visits: During the first eight months of 2002, PCF Web site had 16,400 visits per month – double the average monthly visits in 2001.

Updates: The Quick Answers Section was updated in the summer of 2002. More than 100 answers to the most popular questions on Canada's petroleum industry are posted on this section of the site.

PCF PROMOTION

Teacher Advertising Campaign

In an effort to inform teachers about the free classroom materials available, PCF ran 45 advertisements in six teacher association newsletters across the country between September 2001 and November 2002. More than 300 teachers ordered free classroom materials in response to the ads.

WORLD PETROLEUM CONGRESS (Paul Price, Chair)

No report submitted.

COMMUNICATIONS

COMMUNICATIONS COMMITTEE (Ashton Embry, Chair; Mark Cooper, New Publications; Richard Thom, Publication Sales; Tim de Freitas, Bulletin; Marc Charest, Reservoir; Gary Johannson, Calendar; Glenn Karlen, Electronic Communications; Peter Hay, Index of Publications; Larry Boyd, Member-at-Large; Jaime Croft, Communications Manager)

Numerous activities, initiatives and products are underway under the banner of Publications and the details of these can be found in the individual reports of the various committees. Some of the past year's highlights include:

1) The publication in June of "Carboniferous and Permian of the World", Memoir 19, edited by Charles Henderson, Len Hills and Wayne Bamber.

2) The publication of "Field Notes: The Story of the Canadian Society of Petroleum Geologists" by David Finch as part of the 75th Anniversary celebration. A copy of this wonderful publication was mailed to all members in June. Clint Tippet expedited all aspects of this publication from concept to final production.

3) An agreement was reached with AAPG DataPages for the digitization and sale of CSPG past and future publications. Glenn Karlen spearheaded this watershed initiative

4) A digital index and search engine for CSPG publications is currently being developed and will be available on the CSPG website in early 2003. Glen Karlen and Pete Hay are instrumental in bringing this important project on line.

5) Plans are being laid for a digital publication of the Atlas.

In addition, publication of the Reservoir and the Bulletin continues to run smoothly thanks to all the efforts of the volunteers and staff connected with these flagship publications. Marc Charest has stepped down after two years as the technical editor of the Reservoir. He did a wonderful job of ensuring the Reservoir always contained articles of interest to all of our members. Ben McKenzie has kindly agreed to take over the position. We can also look forward to another terrific calendar under the guidance of Gary Johansson.

All those connected with the CSPG Publications Committee continue to do an outstanding job, notably Jaime Croft who efficiently coordinates all the many and varied activities with a smile and a keen sense of timing.

STRATIGRAPHIC NOMENCLATURE
Stratigraphic Nomenclature (Ashton Embry,

Chair; Jim Barclay, Ed Niewinski, Tony Tankard, Ed Wright)

No manuscripts were submitted to the Committee in the past fiscal year.

BULLETIN OF CANADIAN PETROLEUM GEOLOGY (Tim de Freitas, Editor)

Since the last report, we have changed a significant portion of the Bulletin publication process. In addition to adding a layout designer, we have simplified some of the text format and changed "Guide to Authors". Unfortunately, these changes place greater responsibility on the authors. The present publication stream includes the initial copy editing, where much of the "fine tuning" of the manuscript takes place. From there the manuscripts move to the layout stage, done in southern Ontario by Kathy Joslin. Copy editors and authors check layout design, text, and figures; then the manuscript is returned to Kathy Joslin for revision. Manuscripts are again returned to the copy editor for a last check, prior to printing by Houghton and Boston in Saskatoon. We no longer supply paper-copy reprints to the authors. Instead, manuscripts are compressed into a pdf file format and emailed to the authors. Electronic files are also archived on a CD for placement on a member-only website that is still in the works. Much of this process would not run smoothly without the capable help of Elspeth Snow and Kim Mikalson, Bulletin Copy Editors, and a host of excellent Associate Editors that are listed on the front cover of each issue of the Bulletin. Peter Hodgins, our Managing Editor at Imperial Oil, also puts countless hours of his time into the Bulletin.

The present lag in release of the quarterly issue is due in part to hiccups in this new publication stream and in part due to a sluggish review process. We have tried many ways to speed up manuscript review, but we have found that the only way to spur reviewers on is to place numerous telephone calls. We usually give the reviewers three weeks to turn the paper around. The delay in the review process is perhaps the most frustrating part of the process.

The Bulletin has been surrounded by recent controversy. We released the Devonian special issue in March 2001. The paper by Potma and others spawned several discussions and replies. From what we have heard, this forum was perhaps read by a greater number of people than the original paper. A second paper was published

on a topic that has been in the media almost continuously for the last several years. Climate change and the role of CO2 were discussed in detail by C.R. de Freitas. Since he is the brother of the present CSPG Editor, the paper was handled by one of our most capable Associate Editors, Dale Leckie, and review by Willie Soon, an Astrophysicist at the Harvard-Smithsonian Center for Astrophysics and Sonja Boehmer-Christiansen, the scientific editor of Energy and Environment and a climate scientist at the University of Hull, UK. These individuals are recognized globally for their contributions to climate research. They also recommended publication of the paper with minor revision. However, their names were not included in the acknowledgements at the end of the paper, which was an oversight. The paper has been both criticized and praised. Jay Ingram (Discovery Channel) published a discussion of the paper in the Toronto Star. He presented a very narrow-minded view of the paper. In addition, he accused C. de Freitas of misquoting scientific data: the letter was quite insulting and even damaging to his scientific reputation. The CSPG and C de Freitas responded in separate letters, but they had no effect on the opinion of Ingram, who responded again with another letter containing harsher criticism. It is unfortunate that people such as Ingram are heard by a vast number of Canadians, and it is likely the main reasons why many citizens (and politicians) appear to be misinformed about the science behind climate change. A pdf of the paper is still available on the CSPG website.

We are still targeting one special issue of the Bulletin each year. At present, there are several special issues in the works. Topics include marine conglomerates, ichnology, and foothills geology. There are several other topics under discussion and of special interest to the membership. Many of these topics arise from symposia at geoscience meetings, particularly from the society's annual meeting.

RESERVOIR (Marc Charest, Technical Editors; Jaimè Croft, Coordinating Editor and Operations)

No report submitted.

ELECTRONIC COMMUNICATIONS COMMITTEE

(Glenn Karlen, Chair; Peter Phillips, Dave Russom, Jaimè Croft, webmaster)

The main focus of the Electronic Communications Committee has continued to be the CSPG website, located at www.cspg.org. The website is a wonderful tool for communicating Society news and industry issues to the membership and public-at-large. The website currently sits at 92 pages of information and receives an average of 7,000 hits per day. The website is maintained and developed in the CSPG office by the Communications Manager and kept current by monthly updates. The site includes information on all CSPG activities and programs, links to hundreds of geoscience related sites and is a direct link to Convention, SIFT and other program information. The site was upgraded to include a members' only section this year, which provides a searchable membership directory and gave members the ability to update their information and register for the 2002 Convention online. Further developments to this section in the coming year include online membership payments and the development of an online bookstore. The site was also used by the Executive Committee to interact with members on the development of a CSPG position on global climate change. A CSPG backgrounder on climate change, which was accessed 3,490 times, and a Bulletin paper by Dr. Chris de Freitas, which was accessed 12,353 times, were posted to the site, along with numerous links to information on the global climate change.

Two other committee projects are of importance from the last year. The first is the digitization of the CSPG publications archive and the second is the development of an online search engine of CSPG publications from 1931 to present. The electronic archiving of material, starting with the last ten years of CSPG Bulletins, is being handled by AAPG Datapages in Tulsa, Oklahoma. Access to this material will be online as a paid for service and should first be available in October of 2003. Work on the Search Engine continues and is due to go live, as a free service, on the CSPG website in April 2003.

The committee would like to give special recognition to Glenn Karlen for his extensive efforts in leading the search engine and electronic archive development. His continued, dedicated work is greatly appreciated.

CALENDAR COMMITTEE (Gary Johannson, Chair)

The 2002 75th Special Anniversary Calendar, featuring historical photos of the industry and Society's past, was well received by the membership. The success of this calendar was largely the result of the efforts of Clint Tippett and Jack Horner, who selected the photos and provided the captions.

Work on the 2003 calendar commenced in August and was largely completed by the end of September, although the final layout and printing had yet to be done. The usual paucity of submissions (only six members responded to the Call for Photographs) required the active efforts of the Committee to generate sufficient photos to make up the shortfall. I would like to thank colleagues at Canadian Discovery for their input. The assistance of Marc Charest, Gerry Reinson, Mark Dzikowski, and especially Dave Hills and Steve Hager contributed greatly to the quality of the 2003 Calendar.

INDEX OF PUBLICATIONS (Peter Hay, Chairperson; Bruce McIntyre, Gordon Stabb, Barry Dargie, Michelle Innes)

The mandate of the CSPG Index Committee is to compile a list of keywords (i.e. subjects) which refer to each paper published by the CSPG, whether in the Bulletin, Memoirs, Guidebooks or maps. This listing of CSPG papers sorted by keywords, as well as by authors and NTS areas have been published three times by the CSPG, in 1978, 1984 and 1995 and for each year's Bulletin in the December issue. All of this indexed data, referring to about 5000 CSPG papers is currently being merged into one gigantic database. The design of a "search engine" to access this data base through the CSPG website is currently underway. Sentient Inc has been selected to create this "search engine", which will allow CSPG members to retrieve lists of CSPG publications according to any of these keywords or combinations thereof. For example, a list of papers referring to the Lower Cretaceous in NTS area 0820 (i.e. Calgary area), or Cardium papers which also contain references to Hydrodynamics could be retrieved. Completion of this "search engine" and release of this database is expected by mid-summer 2003.

The CSPG Index Committee was formed in 1972 and has been operational ever since. Recently, Marc Charest has resigned after many years of service, and new members Barry Dargie and Michelle Innes have joined long-serving

members Bruce McIntyre, Gordon Stabb and Peter Hay.

BUSINESS

ADVERTISING COMMITTEE (Norbert Alwast - Fekete and Associates & Tim Bird - CNRL, Co-Chairs: Bob Kuchinski-Reeves Wireline, Shannon Reid-Norwest Labs)

The role of the advertising committee is to co-ordinate advertising and marketing opportunities for sponsors and supporters of the CSPG who wish to deliver their messages to the membership. The committee oversees the activities of MacDonaldCole Inc. (MCI) with respect to the co-ordination of advertisers for the Reservoir, technical luncheons, the calendar, and the website. In addition, we help out with the promotion of events like the Golf and Squash tournaments, the Road Race and the Honorary Address.

Membership in the committee remained static during the year. All of the members (listed above) participated and contributed where they could with great enthusiasm. The committee would like to thank the respective employers mentioned above for allowing their employees to participate.

As in past years, committee participation at the Technical Luncheons was the major role of the committee. In addition to the co-ordination of table drops and slide announcements, the committee also was involved in the production and presentation of the power point advertisements. This style of advertisement is becoming increasingly necessary due to the technical luncheon committees and the guest speakers desire to use this medium of presentation. Advertisers are also keen to use this medium of presentation because it gives them the ability to communicate more complex ideas by using animations and multiple slides. It is expected that in the future this medium of technical and advertisement presentation will continue to be the preference among the presenters, advertisers and members of the audience. The CSPG Advertising Committee would like to thank Reeves Wireline for supplying the computer for luncheon advertising and also for preparing the ad presentations.

The committee is always on the lookout for creative ways to raise the profile of the society with potential sponsors who can help support our

activities. The committee welcomes input from any person or organization with ideas to further this cause. Also, we are always interested in new members. If you are interested, please contact the CSPG Office.

CSPG EDUCATIONAL TRUST FUND

EDUCATIONAL TRUST FUND (Graeme Bloy (Chair), Tim Bird (Director/Treasurer), Dean Clemenson (Director), John Cuthbertson (Director), David Dean (CSPG Finance Director), Doug Hamilton (Director), John Hogg (CSPG Vice-President), Gary Kelman (Director), Cindy Riediger (Director), Lisa Sack (Director/Secretary), Ed Wright (Director) and special thanks to Tim Howard (Ex-Officio; CSPG Business Manager).

In 2001 the ETF's role expanded beyond providing the funding for the Student Industry Field Trip (S.I.F.T) to include responsibility for: EdGeo (a major funder of the Canadian Geological Education Network), the CSPG Honorary Address, the Visiting Lecturer Program, the Andrew Baillie Awards (for best student oral presentation and best student poster presentation at the CSPG convention), regional undergraduate and graduate scholarships, undergraduate and graduate thesis awards, and funding and awards at inter-university geological conferences and general philanthropy. The formation in 2002 of a CSPG University 'Outreach' committee, reporting to the directors of the ETF, will now be responsible for all the ETF-related University scholarships and awards. Some of the additional projects the ETF funded in 2002 were: 1) sponsorship of 'Advances in Earth Science Research Conference: a Sedimentology & Stratigraphy conference held at the University of Ottawa in March, 2002 (\$1,500), 2) The Diggin' for Dinos Program (\$300), 3) Calgary Science Centre 'Invent an Alien' program (\$5,000), 4) sponsorship of a publicly-accessible, educational Cretaceous Exhibit at the University of Manitoba (\$1,000) and 5) Canmore Geoscience Centre 'Stones & Bones summer camp (\$2,200). The ETF committee has also committed to partially sponsor a year-long '**rock & minerals**' science education program for a yearlong tour to Alberta elementary schools for 2003-2004. The primary goal of this project will be to promote awareness and understanding of the importance of rocks and minerals in science as well as everyday life. Secondly, the ETF hopes to inspire and provoke elementary-aged

students and 'turn-on' the next generation to the geosciences. This project is being developed in partnership with Evergreen Theatre. We are currently soliciting (with the aide of Evergreen Theatre staff) 8 – 9 additional companies as co-sponsors for this program which has a projected total cost of ~\$90,000.

Criteria:

The ETF incorporates the use of several key criteria for outreach and philanthropic funding: 1) The funding will potentially encourage elementary, high school and university students to consider petroleum geosciences as a career, 2) The program or project demonstrates broad public appeal, 3) How well does the program or project fit with the mandate of the CSPG ETF, 4) The precedence for ETF funding of a particular program or project, 5) Will the program or project provide some advertising to the public and CSPG members (our donors), 6) Where is the funding being spent in the program (program or project to provide budget), 7) Will there be a follow-up report on how funding was spent and success of program or project.

Financial

The CSPG Educational Trust Fund portfolio has been transferred to The Calgary Foundation under their managed fund portfolio in April of 2002. This ensures stewardship of our fund where the capital will be preserved and not easily accessed. The Calgary Foundation funds are at \$168,000,000.00, achieved a 10% return last year (to March, 31st, 2002) and are professionally managed (for more info www.thecalgaryfoundation.org). At the present time the fund sits at approximately \$700,000.00, the fund was adversely affected by declines on the equity investment side this past year prior to transfer into the Calgary Foundation.

Fundraising

The Diamond Raffle fund-raiser in June was a huge success. The ETF rose ~\$9,900 from raffle tickets sales at this year's convention in June. Olympic Seismic and Kangas Jewellers provided the sponsorship for this endeavor.

With the CAPL, we are in the preliminary stages of organizing a GORR property lottery as next year's ETF fundraiser.

Other fund-raising plans include:

1. Solicitation of long-time or retired members for donations and planned giving to the ETF
2. Continued solicitation of donation from the membership during annual CSPG membership renewals
3. Solicitation of sponsorship by corporations of specific programs funded under the ETF

STUDENT INDUSTRY FIELD TRIP STUDENT INDUSTRY FIELD TRIP (Doug Hamilton - Chair, EnCana; Shaun Alspach, Enermarket Solutions; Wes Bader, Anadarko; Al Carswell, Bonivista Petroleum; Gela Crane, EnCana; Leah DeJong, Conoco; Mike DesRoches, CNRL; Angela Dowd, CNRL; Dawn Hodgins, Talisman/UofC; Marianne McKenzie, Husky; Lisa Sack, Burlington Resources; Indraneel Raychaudhuri, Canadian 88; Stacia Skappack, Husky; Don Simmons, EnCana; Jennifer Squance, Talisman; Stephanie Van Hoekelen, Petrel Robertson; Keith Yaxley, Acanthus)

The Student Industry Field Trip (SIFT) was initiated in 1978 by the Canadian Society of Petroleum Geologists based on a concept conceived by Bill Ayrton to introduce bright, young geoscientists to the petroleum industry. One student representing each of the Canadian Universities across Canada offering Bachelor degree programs in geology, geophysics and/or geological engineering are invited to participate each year.

This year's SIFT took place from May 5th to May 18th with 31 students participating. It was an action-packed two weeks consisting of lectures, field trips and an exploration game. Students were exposed to a variety of topics including clastic and carbonate sedimentology, sequence stratigraphy, geophysics and well logging, to name a few. Students used their newfound knowledge in an exploration game, where they formed companies consisting of 4 or 5 individuals. Each company was given money to buy land and drill wells. At the end of the trip each company presented their results to a panel of judges. It was a tough decision choosing the winners as all the students did an excellent job.

Field Trips play a very important role in SIFT and are often one of the highlights of the trip. A one-day tour of Dinosaur Provincial Park introduced the students to the geology of southern Alberta. A four-day excursion into the Canadian Rocky

Mountains taught the students about the structural evolution and development of the Canadian Cordillera.

The SIFT program relies heavily on volunteers to make it a success. Many thanks are extended to the 2002 SIFT organizing committee for their efforts in organizing this year's trip. We would also like to thank the numerous volunteers, who assisted by giving lectures, core seminars and field trips. The quality of these presentations was exceptional and without the contributions of these individuals we could not offer such a fantastic opportunity to the students. Unfortunately, the group is too numerous to detail here, however a complete list of volunteers and schedule of events can be found under SIFT (Under Educational Trust Fund) on the CSPG web page (www.cspg.org).

Funding for SIFT is provided by the CSPG Educational Trust Fund. Many thanks to those who provide continuous support for this fund. Thanks also go to the additional sponsors who provide support with the Rocky Mountain flyover, core table rentals at the Core Research Center and CSPG Luncheon tickets. This year's sponsors include: Acanthus, Anadarko, Ayrton Exploration Consulting Ltd., BP Canada, Bonavista Petroleum, Burlington Resources, Canadian 88, Canadian Natural Resources Ltd., Computalog, EnCana, Enermarket Solutions, EUB, Exxon/Mobil, Conoco, Husky, Nexen, Petro-Canada, Petrel Robertson, Royal Tyrell Museum, Shell Canada, Talisman, and University of Calgary.

A relatively new addition to SIFT is the summer job program. The Committee places students in summer work terms with companies in the petroleum industry. These students make excellent additions, as they are very enthusiastic and eager to use their newfound knowledge. SIFT 2002 would like to thank Canadian Natural Resources Ltd, NCE Resources and Conoco for hiring SIFT students this summer. If you are interested in hiring a student from the upcoming SIFT 2003, please contact Doug Hamilton at EnCana.

If you would like to learn more about the SIFT program (under Educational Trust Fund), please visit the CSPG website (www.cspg.org). Past SIFT students are welcome to let us know where they can be reached so we can post this

information on the web and reunite past SIFT friends.

HONORARY ADDRESS (Laraine Kish & Brett Wrathall, Co-Chairpersons; Tim Bird, Jennifer Dunn, Steve Haysom, Jay Williams, Alex Wright and Glen Nevokshonoff)

The Honorary Address is held annually in November and as such the volunteer work done over the CSPG's fiscal year is split between two events.

In 2001, the Honorary Address committee presented 'Geology Week' with IMAX. This week featured geologically oriented IMAX presentations such as "Ring of Fire", "Amazing Caves", and "Gold Fever", which were presented to the general public in the evenings and to thousands of school children during the days. Don Coons, a world-renowned speleologist, was the keynote speaker for the kickoff gala event and his experiences mapping caves throughout the world inspired over 300 guests. The major triumph of the 2001 Address was our ability to bus over 5000 students to the IMAX Theatres to take in the presentations.

Most of the past fiscal year was spent planning the Address held in November of 2002 at the Jubilee Auditorium. This was to be a fascinating presentation by Simon Winchester on his Bestselling novel 'The Map that Changed the World'. Simon's account of the life of William 'Strata' Smith – the "father of geology" was organized for Monday November 4th. Unfortunately (for both the committee and for Simon) two days prior to the event Simon had to undergo emergency surgery and was forced to cancel his appearance. This presented our committee with an immense challenge to put together an exciting show for the 800+ people that had already bought tickets while canceling media events scheduled for Simon throughout his stay. Ultimately, we were able to fly Dr. Kirk Johnson in from Denver to join Pamela Strand and Dr. Robert Stewart to give a rejuvenating talk on the geology underneath the city of Denver. Although our primary speaker had changed, we were successful in presenting three educational and entertaining talks to the 800+ people that decided to take in the event.

UNIVERSITY OUTREACH (Brad Hayes, Chair; George Ardies, Wes Bader, Selena Billesberger, Andre Chow, Kris Jewett, Don Keith, Dave

Kisilevsky, Brad Molnar, Nadya Slemko, Jennifer Underschutz, Krista Walker)

University Outreach was founded in 2002 with the mission of fostering a closer relationship between Canadian university geoscience departments and the CSPG. We want to fill the critical role of informing university students about the petroleum industry and the CSPG, and therefore help to replenish and rejuvenate our ever-more-mature human capital.

University Outreach operates under the Educational Trust Fund, and has assumed direction of the existing University Conference and Link Award Tour functions. The committee comprises a mix of experienced CSPG members and new volunteers, giving us excellent contacts within the Society and at the universities.

Several major focus areas have been identified, and significant progress has been made on each. These include:

- Speaker tours – a program of both technical talks and career/industry mentoring sessions has been laid out for spring and fall of 2003. Noel James, the 2001 Link Award winner, and several senior CSPG members have agreed to visit a number of geology departments across Canada. We aim to have a CSPG talk in every department at least every second year.
- Student conferences – we have expanded the CSPG presence at the Western Inter-University Geological Conference (WIUGC) and Atlantic University Geological Conference (AUGC), by having CSPG members attend, judge student talks, give talks of their own, and award student prizes. In 2003, Graham Davies will give a short course at the WIUGC on behalf of the CSPG. We are also sponsoring an award at a new Ontario student conference, which is to be held annually.
- Student chapters – our committee is working with the CSPG Membership Committee to bring more students into the Society. Plans are being made to make the best use of our available funds and other resources. One possible route is to make existing student societies sections or chapters of the CSPG.

- Corporate Participation – we are identifying materials that companies may have to donate to departments (cores, cuttings, well logs), and linking these with specific needs at the schools. There is already a Bachelor's thesis being done at Dalhousie on cores donated by Petrel Robertson.
- Research Partnerships – we want to facilitate communication between universities and industry, in order to link up particular industry projects with appropriate academic talent (faculty and students)
- National Outreach – we are investigating the creation of local CSPG sections that would include professional members, in order to link them more closely with local geology departments

The CSPG has committed significant financial support to make University Outreach a success. We hope to bring our programs to a long-term sustainable level, and to attract dedicated industry funding to help us. Please contact any of our members if you have ideas or materials to contribute.

GRADUATE STUDENT THESIS AWARDS COMMITTEE CSPG GRADUATE STUDENT THESIS AWARDS COMMITTEE (Andre Chow, Chair; Leslie Eliuk, Tony Hamblin, Christopher Harrison, Don Keith, Susan Reid, Wendy Shier, Martin Teitz, Caroline Williams)

Each year this committee evaluates submitted M.Sc. and Ph.D. theses, and selects one of each that makes the most significant contribution, in that year, to sedimentary and/or petroleum geology in Canada. The awards for the top thesis in each category consist of a one-year membership in the CSPG, a CSPG book, a framed certificate and a cash prize for the Ph.D. winner of \$1500 and for the M.Sc. winner of \$1000. The award will be presented at an appropriate luncheon. Illustrated citations, acknowledging the achievement of the winners, also eventually appear in the *Bulletin* and/or *Reservoir*.

This year (2001) 8 M.Sc. and 4 Ph.D. theses were submitted representing 10 universities across Canada. The award for the best Ph.D. goes to **Dr. James E. Barclay** (University of Calgary, Prof. Federico Krause advisor) for his thesis entitled "Estuarine deposition, valley

incision and soil development controlled by tectonic evolution of a growth-faulted coastal graben embayment, Stoddart Group - Belloy Formation, Carboniferous - Permian, Western Canada Basin". This is an imposing synthesis of described drill core, correlated well logs and regional subsurface mapping that provides a beautifully illustrated and comprehensive regional description of upper Paleozoic depositional systems, including paleosol development, in the Fort St. John Graben. This fault-bounded system had a prolonged impact on general depositional facies but did not produce proximal alluvial fans, bimodal volcanics or other typical rift facies. Dr. Barclay's thesis is a welcome and timely contribution to the geology of a significant deep gas production area in western Canada. Parts of this thesis have already been published and are being used in industrial applications.

The winner of the M.Sc. award was **M. Scott Leroux** (Simon Fraser University, Prof. James MacEachern advisor) for his thesis entitled "Sedimentological and Ichnological Characterization of Reservoir Types in a Transgressive Systems Tract, Cretaceous (Albian) Basal Colorado Interval, South-Central Alberta". The thesis meaningfully integrates sedimentology, ichnology, petrography, sequence stratigraphy, micropaleontology and petroleum geology. He provides a concise, lucid and well-illustrated documentation of this somewhat enigmatic reservoir. An important contribution is the documentation of the productive facies with recommendations for future exploration focus. This study was begun as a summer project at PanCanadian Energy and continued under the supervision of Dr. James MacEachern at the Department of Earth Sciences, Simon Fraser University; its quality reflects very positively on all associated with it.

Honourable Mentions were also given in both the Ph.D. and M.Sc. categories. In the Ph.D. category **Dr. Jeff Lukasik** (Queen's University, Dr. Noel P. James, advisor) was given an Honourable Mention for his thesis entitled "Shallow, Low-Energy Temperate-Water Carbonates From The Cenozoic Murray Basin, South Australia". This thesis describes and interprets shallow water, low-energy cool water carbonate facies, investigates the environmental/sea level controls on facies development, proposes a mechanism for small-scale cycles that form depositional units and establishes a new lithostratigraphic framework for

the Murray Basin. Of great interest are models proposed regarding the development of an empiric ramp and the relationship between climate, sea level fluctuations, nutrient supply and facies. Part of this thesis has been published, CSPG members interested in developing Mississippian or Triassic plays in Western Canada based on Lukasik's work are referred to Lukasik, J.J. et al., 2000, *Sedimentology*, v. 47, 9. 851-881 and Lukasik, J.J. and James, N.P., in review, *Journal of Sedimentary Research*. In the M.Sc. category David H. Drover (University of Calgary, Prof. Deborah A. Spratt advisor) was given an Honourable Mention for his thesis entitled "Regional and detailed structural geology of the Quirk Creek Structure, Threepoint Creek area, S.W. Alberta." Mr. Drover uses a wide range of computer software techniques to integrate subsurface well and seismic information and new surface geological observations to generate detailed regional structural cross-sections of the foothills belt west of Turner Valley. The result is a refreshingly new appreciation of deformation style in three-dimensions. Readers may find the approach and observations helpful for unraveling similar structural problems elsewhere in the southern foothills of Alberta and in other thrust belts around the world.

This annual CSPG competition is initiated with an advertisement in the CSPG *Reservoir* and GAC's *Geolog*. The committee also follows up by contacting the Geology departments from universities across Canada. The committee would also greatly appreciate any CSPG member informing them of possible candidates. Eligible theses are those that have been produced by students who have graduated at the preceding Spring or Fall convocation from a Canadian university, or who have completed research in the same period at a foreign university on a suitable Canadian topic. Theses are sent to the committee chairperson by early September. By mid December the winning theses are determined by the committee, and authors and respective supervisors are notified thereafter. The committee is keen to accept for consideration any thesis that might be of interest to the society members including (for example) topics relating to hydrogeology, sedimentary-hosted mineral or hydrocarbon deposits, remote sensing or subsurface imaging techniques in sedimentary basins, basin modeling or evaluation, biostratigraphy and geochemistry. Criteria by which these are judged include

definition of purpose and success in reaching goals, method and logic of investigation, originality of topic, ideas and content, validity of interpretations and conclusions, completeness of data generation and presentation, contribution to science and industry, depth and thoroughness of research and overall effort as well as organization of chapters, quality of writing and effective use of illustrations. Successful theses will also provide, where appropriate: a full consideration of the economic implications of scientific contributions made from a small study area or topic; and will relate any observations made in modern depositional settings to the ancient record, and vice versa.

A hearty thanks is 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. Special thanks go to Caroline Williams who has decided to pursue other volunteer work and Susan Reid who has taken a maternity leave from our committee. Also thanks are extended to Kim Belmonte for her help and Burlington Resources Canada for their financial support.

The 2002 committee is just beginning its work to determine this year's winners and we are pleased to welcome Jeff Lukasik, Rob Scammell and Eileen Scott to this year's committee. 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 Burlington Resources or any of the other committee members for additional details.

REGIONAL GRADUATE/UNDERGRADUATE SCHOLARSHIPS (Shawna Christensen, Chair; David Kisilevsky and Angela Kolisnik)

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 2002 recipients are:

Western Canada Lisa M. Nadjiwon
(University of Saskatchewan) – Ph.D. *Platform Architecture of the Cathedral Formation (Middle Cambrian), Rocky Mountains, Canada*

Central Canada André Koladich
 (University of Ottawa) –
 M.Sc. *Sedimentology
 and Stratigraphy of the
 Lower Cretaceous
 Glauconitic Member,
 Upper Mannville Group,
 southeast Alberta.*

Simon Fraser University
 St. Francis Xavier University
 St. Mary's University
 University of Toronto
 University of Victoria
 University of Waterloo
 University of Western Ontario
 University of Windsor

Jennifer Kennedy
 Scott Rayner
 Jeanine Chubbs
 Flavia Nunes
 Melissa Rotella
 Shovik Sengupta
 Micheal Dorland
 Melissa Flore

Eastern Canada Not Awarded

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 2002 recipients are:

Western Canada Lynn T. Reich
 (University of Alberta)

Central Canada Steven J. Berg
 (University of Waterloo)

Eastern Canada Not Awarded

The C.A.S.T. (Canadian Aboriginal Science and Technology Society) awards a scholarship of \$1,000 presented to an outstanding aboriginal who is enrolled in geology at a Canadian University or college in 2001/2002. This year's recipient was Mark Leduc from Sir Sanford Elementary College in Lindsay Ontario.

UNDERGRADUATE STUDENT AWARDS COMMITTEE (Chris Tanglis, Chair)

The 2002 Undergraduate Awards will be presented to the following students:

School	Name of Recipient
Acadia University	Colin Zwicker
University of Alberta	Cynthia Hagstrom
Brandon University	Chris Coueslan
Brock University	Dawn Brake
University of Calgary	Garnet Jon Knopp
Dalhousie University	Stephan D. Bigg
University of Guelph	Torry Blake
McGill University	Justine Sagan
Memorial University of Newfoundland	Krista Gammon
University of Ottawa	Karine Bedard
Queen's University	Kirsten Pugh
University of Regina	Scott T. Rainville
University of Saskatchewan	Ryan Mohr