

**CANADIAN SOCIETY OF PETROLEUM GEOLOGISTS
2000-2001 REPORT OF ACTIVITIES**

2000-2001 Executive Committee

**Brad Hayes, President
Bruce McIntyre, Vice President
Scott Oldale, Finance Director
Dave Dean, Assistant Finance Director
Tony Cadrin, Program Director
Dan Barson, Assistant Program Director
Indraneel Raychaudhuri, Service Director
Karen Webster, Assistant Service Director
Ian Hutcheon, Past President**

PRESIDENT'S REPORT (Brad Hayes)

The year 2000/2001 has been marked by significant growth along several fronts within the CSPG, including development of our outreach programs, better relations with our corporate members, an improved presence in the geological community outside of Calgary, more interaction with sister societies, and the continued transition to digital delivery of information and services. Most of these initiatives have grown from ideas and structures put into place in previous years, and all have been driven by the efforts of dedicated volunteers. The functional reorganization of the Society in the mid-1990's is now having a very positive impact, as the Executive has been freed from most day-to-day operational concerns, and can spend most of its time on planning and organizational issues.

Stewardship of the Educational Trust Fund has been undertaken by a new Board, under the direction of Graeme Bloy. They are reviewing and revising the ETF's traditional roles in fundraising and in overseeing the Student Industry Field Trip. The ETF has now taken over responsibility for evaluating and funding outreach functions such as the Honorary Address and other educational programs. Among other benefits, outside funding requests will now be evaluated on a more consistent and informed basis. A new Public Affairs Committee, led by Jon Dudley, will work with the ETF to communicate our programs to

and exchange ideas with our membership, related groups, and the general public.

Both the ETF and Public Affairs Committee will work closely with Monty Ravlich, our Corporate Relations Director. Monty's position was initiated last year, but it has taken considerable time for us to provide him with a list of "products" (i.e., programs useful to our members, potential members, and the general public). With this "product list" in hand, we are asking Monty to approach potential corporate sponsors, with the idea that they will find it attractive to fund a specific "product".

Beginning in 2001, the CSPG is providing funding to the Geoscience Professional Development Centre, a joint enterprise by the University of Calgary and the AAPG, which will provide industry-specific courses for our members. The role of our Continuing Education Committee is now under review, as we feel that there is still a role for courses outside of the GPDC and our annual convention.

Speaking of the annual convention, the addition of a full-time Event Coordinator (Lori Humphrey-Clements) to our office staff in 2000 has resulted in immediate cost savings and logistical improvements. The 2001 Convention, "Rock the Foundation", was a tremendous technical and financial success, thanks to Regan Palsgrove, her volunteer committee, and Lori. The CSPG reached an agreement this year with the CSEG to host a joint convention in 2003, and we are working

toward a joint convention with the AAPG in 2005. However, the task of finding a Convention Chairperson and effectively organizing our Convention planning is becoming more onerous each year. Consequently, the decision was taken to put into place a Convention Planning Committee, charged with arranging themes, venues, co-sponsors, and chairpersons. George Eynon is chairing this committee, which began meeting in October 2001.

Publications, a technical mainstay of the Society, continued strongly in 2001, highlighted by the March 2001 special edition of the *Bulletin*, focusing on Devonian carbonates of western Canada. Our Publications effort lost a real leader and the CSPG a true friend with the tragic passing of Senior Managing Editor, Rory Hankel. However, Jaime Croft maintained our ongoing projects until Ashton Embry stepped in to assume the Senior Managing Editor position. I am confident that Ashton will guide new publication projects forward, while keeping an eye on the production of the *Reservoir and Bulletin*.

While most CSPG energies are concentrated on producing educational and technical materials, we are increasingly aware that delivery of this material is important as well. The CSPG website is now operating effectively, bringing news and technical content to members wherever they are. We are striving to improve this service in several areas; for example, 2001 saw the first webcast of a Technical Luncheon address. While this was a good first effort, we are striving to improve the service in order to justify the expense of regularly webcasting technical presentations. We are also working toward digital access to all CSPG publications, and the capability for members to perform online searches. With the continued development of our iMIS membership database, we plan to enable online conference registration and other interactive functions, as long as the technology is reliable and cost-effective.

With the ability to disseminate information more widely and readily, the CSPG is also reaching out to include more members and

associations across the country. As the year draws to a close, we are finalizing plans to tour earth science departments in the Atlantic provinces (Memorial, Dalhousie, St. Mary's, Acadia, New Brunswick, and St. Francis Xavier). We are presenting talks on East Coast exploration and development, as well as promoting the industry and the CSPG in general. With success, we hope to make this an annual event, and to expand it to include other regions of the country as well. This is only the initial effort to make geologists outside of Calgary more aware of the CSPG, and to entice them to join us as members and industry colleagues.

This effort can succeed only by cooperating with our sister societies. During the past year, we have forged closer ties with the CSEG, and we have rejoined the Canadian Geoscience Council in an effort to gain a more national perspective on earth science issues. New discussions will also be undertaken with geoscience groups on the East Coast, including the Atlantic Geoscience Society and the Petroleum Section of the CIM.

The year 2002 will be the 75th Anniversary of the CSPG. Our anniversary committee, under the direction of Clint Tippett, is overseeing several projects to commemorate this event, and our 2002 Convention theme will focus on the anniversary.

The many efforts I have described above can succeed only if the Society remains a strong organization. The outstanding efforts of our many volunteers, at a time when industry and societal demographics make it increasingly difficult to find time for people to participate, are essential, and much appreciated. Finances are important too, however – we can't succeed without the dollars to support our efforts. The past ten years have seen the Society pay for more and more services, partly because it is more difficult for members to volunteer their time, but also because we are undertaking so many new projects. Despite the strong finances described by Scott Oldale in his financial report, the CSPG has raised membership dues in 2001/2002, in order to

ensure a secure financial footing into the future.

In closing, I would like to thank the 2001 Executive Committee of the CSPG for excellent ideas, support, and hard work. Our full-time office staff, now numbering four (Tim Howard, Deanna Watkins, Jaime Croft, and Lori Humphrey-Clements), is our corporate memory, and the “glue” that keeps it all together and running. It has taken me these two years to fully appreciate all that they do for our Society. Finally, thank you to the membership for allowing me to undertake the very worthwhile and rewarding experience as President of your Society.

TREASURER’S REPORT (Scott Oldale, Finance Director)

The CSPG ended its financial year of August 31, 2001 in a very strong position. The income statement showed a net loss of \$6,546 based on revenues of \$1,884,890 and expenses of \$1,891,436. This is consistent with our goal of breaking even on an annual basis. The society’s balance sheet as of year-end has net assets of \$928,841 consisting of long-term investments of \$571,366, capital assets of \$83,642 and the balance, \$273,388 in current assets (net).

Our small net loss is due to the financial success of the 2001 annual convention. The convention provided a net income of \$242,077. On an historical basis, the profit is in the upper limit of the range. The windfall is due the prudent financial management by the convention committee and the robust state of affairs of the petroleum industry during the first half of the year. We cannot expect these profits on an annual basis and must budget on more conservative estimates.

This leads us into my next point – a dues increase, which you should be aware of by now. The Executive, after great debate and analysis, decided to raise the annual dues of the Society to better reflect the actual cost of providing services to the membership. The new fee of \$100 per regular member only partially offsets the operational costs of the society estimated to be \$125 per regular

member. Excluding the convention profit, the Society incurred a net loss of \$248,623 in operating its ongoing affairs. The technical and social committees continue to generate a small profit. The costs of the office rose dramatically last year due to sizeable lease increases and the addition of a new staff member. It should be noted that Lori Humphrey-Clements, the Convention Manager, in conjunction with the remainder of the office staff, was instrumental in achieving the stated convention profit. The Bulletin and Reservoir continue to be financial burdens on the society and we need to investigate means to reduce the costs of providing these services.

The long-term strategic financial direction of the society consists of prudently managing the Society’s affairs to breakeven on an annual basis. With respect to our investments, the Executive agreed to limit the value of the fund to equate to one year’s operating expense, estimated to be approximately \$650,000. The intent is to reinvest the surplus funds in new initiatives. This year, several new initiatives have been identified and are currently being investigated. These include a new publication, the implementation of a web-based data management system, and the development of a search engine for our index of publications. The web-based data management system will allow the Society to provide greater services to the membership via the internet such as online registration.

My tenure with the Executive has been a very enjoyable and rewarding experience. I would like to thank the Executive members who I served with in the last two years for their dedication and effort and all the volunteers who contribute to this strong and vibrant society.

PROGRAMS

TECHNICAL LUNCHEON COMMITTEE

(Kari Camden, Jim Gardner, Virginia Trapnell, Bob Turner, Co-Chairpersons)

The membership of the Technical Luncheon Committee has undergone some change this year with Bob Turner becoming less involved with the committee throughout 2001 and currently seeking a replacement for his position. The committee would like to extend their thanks to Bob for his invaluable advice and effort during his tenure.

The Technical Luncheon Committee hosted 18 talks during the 2000/2001 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.

Significant changes in our program this year included a forced change of venue from the Westin Hotel to the Telus Convention Centre as the Westin could no longer book midweek dates for our luncheons. The Convention Centre has provided us with professional service and catering provided by the Marriott Hotel.

Other changes included the purchase of two LCD projectors, which now enable the CSPG to present luncheons in a PowerPoint or computer based format in a cost effective manner. We continued to use APEX audio/visual to provide professional service and technical support, which resulted in good value with few technical glitches throughout the year.

The committee would like to acknowledge our speakers for the 2000/2001 season who 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 2001/2002 season and we hope to continue to deliver a variety of excellent presentations to the CSPG membership.

September 19, 2000

Noel P. James, "Death of a Myth: Drilling a Cool-Water Carbonate Platform Margin in the Great Australian Bight"

Attendance: 642

October 10, 2000

John Chipperfield et al., "International Smorgasbord – Food For Thought"

Attendance: 450

October 31, 2000

Jeremy Hall, "Active tectonics of salt-laden forearc basins: lessons from the eastern Mediterranean"

Attendance: 525

November 14, 2000

Jeff Jones, "Powder River Basin: A Success in Coal Bed Methane Development"

Attendance: 723

November 30, 2000

Deborah A. Spratt, "Changes in Structural Style Controlled by Lithofacies Contrast Across Oblique Carbonate Bank Margins"

Attendance: 597

December 14, 2000

Kirk Osadetz et al., "Indications for Origin of Elk Point Basin From Apatite Fission Track Thermochromology – Implications for Paleozoic Hydrocarbon Generation and Geodynamic History"

Attendance: 478

January 9, 2001

Henry W. Posamentier, "Seismic and Lithologic Expression of Shelf Ridges: Case Study from Southeast Asia – General Implications for Exploration"

Attendance: 511

January 23, 2001

Jeffery M. Yarus, "Practical Workflows For Reservoir Modeling"

Attendance: 544

February 13, 2001

Lee F. Krystinik, "Finding Subtle Traps Using Sequence Stratigraphy and Synsedimentary Tectonic Analysis"
Attendance: 784

February 27, 2001

John Warme, "Carbonate Facies and Sequences in the Jurassic High Atlas Rift, Morocco"
Attendance: 634

March 8, 2001

Jean Mascle, "Atlantic Equatorial Margins Off Africa: A Case Study for Transform Margin Development"
Attendance: 507

March 20, 2001

Andrew Pulham, "Reservoir Performance and Reservoir Quality in a Sequence Stratigraphic Framework: Case Studies from Siliciclastic Reservoirs in the Americas and Europe"
Attendance: 612

April 12, 2001

Gerald M. Ross, "Anatomy of an Ancient Passive Margin Turbidite System: The Windermere Supergroup (Western Canada), A New Analog For Deep-Water Exploration"
Attendance: 570

April 24, 2001

Desmond Collins, "The Geology and Biology of the Middle Cambrian Burgess Shale, British Columbia"
Attendance: 629

May 10, 2001

Rudi Meyer, "Permeability Trends in the Virgelle Member Sandstone, Writing-on-Stone Provincial Park, Southern Alberta"
Attendance: 516

May 29, 2001

Rebecca Hanna, "Dinosaurs Got Hurt, Too"
Attendance: 517

June 14, 2001

Chris de Freitas. "Fresh Perspectives on the Climate Change Debate"

Attendance: 592

June 28, 2001

Andrew L. Evans, "Challenging the Vertical Limit – 50 Days on K2"
Attendance: 691

EDUCATION COMMITTEE (Brent Wignall, Chairperson; Mark Mallamo, Natalie Sweet, Jason Montpetit)

2001 has seen major changes in the focus and mandate of the Continuing Education Committee, and a resultant decrease in direct activities. Two courses were offered in 2001, as opposed to the more typical 5-6 courses offered in previous years. This is primarily due to the development of the Geoscience Professional Development Centre (GPDC) under the auspices of the AAPG, CSPG, CSEG and the University of Calgary. Courses and programs normally run by the Continuing Education Committee are now funneled toward the GPDC. It is hoped that the combined resources of the three geoscience associations and the U of C will allow us to provide our respective memberships with a broader range of topical, high quality courses. The Continuing Education Committee will continue to develop courses for the CSPG membership outside of the GPDC, as well as assisting in CSPG convention short course development.

TECHNICAL DIVISIONS

BASIN ANALYSIS AND SEQUENCE STRATIGRAPHY (Greg Hu, Chairperson)

The Division was created to reflect the increasing popularity trend of sequence stratigraphy. Our division's goal is to build a popular and technically-excellent division. We have tried to achieve our goal through three focuses:

Innovation: to introduce new concepts, ideas, or metrologies in both basin analysis and sequence stratigraphy areas to our group;

Inspiration: to share fresh interpretations on our existing data here in Canada, especially in the Western Canada Sedimentary Basin.

Most people agree that WCSB is a mature basin for conventional oil. But that does not mean no exciting opportunities to be discovered. By applying the following two rules, we certainly can find more opportunities in any "mature" basin, including WCSB:

- 1) Look at the same data as every one else, but see something different;
- 2) Geological complexity means opportunities.

Practical: to offer take-home lessons we can apply in our daily work.

We had a monthly talk from January through May, and we took summer months June, July and August off. On average, our talks received good attendance, with over hundred of people showing up for our April talk by Frances J. Hein of Alberta Geological Survey.

For the success of these talks, CoreLab, AGAT and Petro-Canada are thanked very much for their sponsorship of our presentations. I also wish to thank the CSPG Program Director Tony Cadrin and Assistant Program Director Dan Barson for their supports and suggestions of our division's growth, and more importantly, I like to deeply thank our speakers for taking their time to prepare and share their thoughts with our group.

STRUCTURAL GEOLOGY (Mazhar Qayyum, Chairperson)

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.). We organized ten technical presentations, one slide show and three field trip from September 1st, 2000 to August 31st, 2001. We would like to thank all the speakers and field-trip leaders for their time. 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 the current year. Details of these well-attended events are as follows:

CSPG Structure Division Noon - Talks:

September 13, 2000

Kevin C. Hill (Victorian Basin Studies Centre, La Trobe University, Melbourne, Australia), "Structure and hydrocarbon potential of the New Guinea Fold Belt"

October 19, 2000

Normand Bégin (Talisman Energy Inc.), "Alberta Foothills horizontal drilling in Mississippian carbonates thrust sheets, along-strike of hanging wall anticlines"

January 18, 2001

Marian J. Warren (PanCanadian), "Extensional faulting, paleodrainage patterns and impact on hydrocarbon reservoir quality and distribution during foreland basin subsidence: A case study from the Lower Mannville of south-central Alberta"

March 7, 2001

Robert Ratliff (Geo-Logic Systems), "The projection and kinematics of 2D/3D bedding and slip systems: complex geometries"

Conoco, PanCanadian, and Schlumberger are thanked for providing the overhead and slide projectors, Norwest Labs is thanked for providing abundant pastries and HEF Petrophysical is thanked for providing coffee and juices. Talks were held in the small +15 Auditorium, 540 5th Ave SW.

CSPG Structure Division Evening - Talks:

September, 11, 2000

Kevin C. Hill (Victorian Basin Studies Centre, La Trobe University, Melbourne, Australia), "The tectonic evolution of New Guinea, A present day analogue for the Canadian Rockies"

December 11, 2000

Karen M. Fallas (Geological Survey of Canada), "Permo-Triassic convergence in the Northern Canadian Cordillera"

January 22, 2001

Nadya Slemko (Imperial Oil Resources), "Structural, metamorphic and plutonic history of rocks adjacent to Shushwap Lake, British Columbia: Evidence of Early to Middle Paleozoic Deformation"

February 12, 2001

Mike Hruday and Phillip Simony (University of Calgary), "Early Cambrian Rift Structures, and Jura-Cretaceous Inversion in the northern termination of the Purcell Mountains, Southeastern British Columbia"

March 12, 2001

Peter Jones (International Tectonic Consultants Ltd), "Wedge tectonics and Rocky Mountain Foreland Basement Uplifts"

April 16, 2001

Eighth Annual Structure Group Evening Slide Show

May 14, 2001

Tim Seeley (Canadian Forest Oil Ltd.), "Structure and tectonic evolution of the Xihu Trough and East China Sea"

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

Fields Trips**September 13-14, 2000**

Leaders: Kirk Osadetz, Glen Stockmal and Margaret McMechan (Geological Survey of Canada, Calgary), "Structure and hydrocarbon occurrence Crowsnest Pass and Waterton"

Organizers: Janice LeDrew, Kirk Osadetz and Dennis Johnston

September 15-18, 2000

Leaders: Jean Pelletier (Anderson Petroleum Ltd.) and Dennis Johnston (Petro-Canada Oil and Gas), "Rocky Mountain Transect"

June 9, 2001

Leaders: Paul MacKay (Paul MacKay Geoconsulting) and Normand Begin (Talisman Energy Inc.), "Deformation in the footwall of the Rundle Thrust, along Wind Ridge"

Organizer: Mazhar Qayyum, Talisman Energy Ltd.

Anderson Petroleum (Jean Pelletier) and Petro Canada (Mike McDonough) provided transportation for the Wind Ridge trip. Advanced Geotechnology (Pat McLellan) supplied drinks.

SEDIMENTOLOGY (John-Paul Zonneveld, Chairperson)

No report available.

ENVIRONMENTAL GEOLOGY (Ed Mathison, Chairperson)

No report available.

HYDROGEOLOGY (Steve Grasby, Chairperson; report submitted by Stefan Bachu, former Chairperson)

The Hydrogeology Division continued its tradition of being one of the most active technical divisions of CSPG by organizing monthly lunch-hour talks and annual field trips. In the past year the division presented 8 lunch-hour talks, the high rate of attendance at these being a testimony to their popularity and educational value. The lunch-hour talks continued to be of high quality and diversity (see list). The past year's talks addressed subjects of interest to the petroleum industry, as well as to the mining and environmental sectors.

The division continued its policy of organizing and running two yearly field trips. The fall field trip, "DAM ISSUES" ran from September 16-17, and was led by Dr. Allan Woodbury of University of Manitoba and John Psutka of B.C. Hydro. Special thanks

to B.C. Hydro for allowing us a behind the scene tour of the Revelstoke Dam as well as the Downie Slide drainage tunnels. Phil Esslinger and Kent Wilkinson provided excellent logistical support.

The Division Executive Committee was comprised of: Dr. Stefan Bachu – Alberta Geological Survey, AEUB (Chairman), Phil Esslinger – Rakhit Petroleum Consulting Ltd. (past Chairman), Dr. Steve Burnie – Rakhit Petroleum, Kent Wilkinson – Nexen Inc. (Treasurer), and Dr. Stephen Grasby – Geological Survey of Canada.

I would like to thank the members of the Executive Committee for their work and dedication that ensured a very successful year. I would also like to extend thanks in the name of the Hydrogeology Executive Committee, Division and CSPG to everyone who attended the Divisions talks and field trips. Special thanks are due to our sponsors, PanCanadian Petroleum, for allowing the Division to use the PanCanadian Theatre for the lunch-hour talks, and for supplying coffee, and to Norwest Laboratories for the delicious pastries provided at the talks. Thanks are due also to Rakhit Petroleum Consulting Ltd. for providing the avenue for the monthly meetings of the Division Executive Committee.

I look forward to another successful and challenging year in 2001/2002.

The following is a list of the titles and authors of all the talks presented in the 2000/2001 year.

September 20, 2000

Shane M. Harrison, “The Jurassic-Cretaceous Mist Mountain Formation – some insight on gas origin”

October 18, 2000

Jim Letourneau, “Stable isotope geochemistry of some natural gas macro seeps in Alberta”

November 16, 2000

Prof. Peter E. Gretener; University of Calgary, Department of Geology &

Geophysics, “More production from oil fields: two key issues”

December 20, 2000

Karsten Michael; University of Alberta, “Characterization of lateral hydrogeological discontinuities in the west-central part of the Alberta basin”

January 18, 2000

Dr. Laurence R. Bentley; University of Calgary, Department of Geology & Geophysics, “Monitoring reservoir conditions with time-lapse seismic surveying”

February 2001

Dr. E. C. Dahlberg; ECD Geological Specialists, “Hydrodynamic analysis of two Ecuadoran oil pools and its impact on reserves estimation and ultimate oil production”. Talk cancelled at the last moment at the request of interested oil companies.

March 15, 2001

Tony Lemay and Kevin Parks, Alberta Geological Survey, “Hydrochemistry and isotope systematics of regional drift aquifer systems, Athabasca oil-sands (in situ) area”

April 19, 2001

Phil Esslinger and Dan Barson, Rakhit Petroleum Consulting Ltd, “The hydrogeology of the Mannville Group in northeastern Alberta”

May 17, 2001

Stephen E. Grasby and Zhuozheng Chen, Geological Survey of Canada, “Impact of Pleistocene glaciation on the hydrodynamics of the Western Canada Sedimentary Basin”

GEOMATHEMATICS AND COMPUTER
(David Garner, Chairperson)

No report available.

INTERNATIONAL (Geoff Say, Chairperson)

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 hottest prospects for

drilling in the world such as Angola, Azerbaijan, Indonesia and the East Coast of Canada. I'd like to say a special thanks here to Tako Koning who gave a presentation on Angola. Tako has been a big supporter of the CSPG international division for many years and his talks are always very topical and well attended. Also I would like to thank Dave Dolph and PanCanadian for the use of their facilities and the coffee. The first talk of the season was given by Dr. Henry Lyatsky in Sept on 'The West Coast Earthquake Risk'. This was followed by:

October 2000

Dr. John Harper, "The Salawati Indonesia Reef Play of Trend Exploration"

November 2000

Jim Podruski, "Petroleum Geology and Tectonic History of Western Cuba"

December 2000

Dr. Ken Jones, "Petroleum Geology and Exploration Potential of Cameroon"

January 2001

Ugurhandan Erkmen, "Hydrocarbon Prospectivity of the Northwest Ghadames Basin and Jifarah Trough-Libya"

February 2001

Rob Bain, "The Geology and Hydrocarbon Potential of Iraq"

March 2001

Des Smith and Oleg Rodkin, "Azerbaijan-Back to the Future"

April 2001

Dr. John Harper, "Canada's East Coast"

May 2001

Maks Posavec, "Correlation of the World's Major Thrust Fold Belts"

June 2001

Tako Koning, "Angola, An Emerging Global Focus Area for Energy Development"

RESERVOIR/DEVELOPMENT GEOLOGY

(Darren Steffes, Chairperson)

No report available.

PALAEONTOLOGY (Charles Henderson, Chairperson)

The Paleontology Division has become more active this year by combining resources with the Alberta Palaeontology Society. Philip Benham is the APS technical program director. Talks are presented each month on a Friday evening at Mount Royal College and are announced in the *Reservoir*. The Paleontology Division does not have a budget.

CORE AND SAMPLE(Doug Hayden, Chairperson)

This is a new Division that was formed by CSPG members that are interested in maintaining and advancing the access and use of core and drill cuttings. Meetings were held once a month at the EUB Core Research Centre in Calgary. Participation has included a cross-section of people from Industry, Service Companies, Government Agencies, students and independent consultants. Attendance has varied from 12 to 35 persons per meeting. The initial format of our meetings has been a discussion of topics of immediate concern that are felt to significantly impact users of core and sample material. Out of this discussion has been the formulation of memos addressing these concerns for distribution among the general CSPG membership. For convenience and maximum accessibility, we intend to make these memos available through the CSPG website.

Major topics of discussion

- Ongoing destruction of potentially unique core and drill cutting material.
- Irregular quality of drill cuttings due to improper washing and processing at wellsite.
- Health risks to wellsite Geologists exposed to toxic substances contained in

invert drilling mud systems, and invert saturated drill cuttings.

The results of these discussions were:

- Industry survey of company policy and practice in retention of drill cuttings, conducted by Joan Tittmore, results to be published in the fourth quarter of 2001 in the CSPG *Reservoir*.
- Memo outlining standardized procedures for effective washing and processing of drill cuttings, coordinated by Don Yager.
- Memo listing the potential toxic substances in "invert" mud systems and suggested procedures for handling invert saturated material to minimize health hazards, coordinated by Tom Sneddon.

The group has been financially self-sustaining with administrative costs (i.e. Printing and mailing of survey) sponsored by the members companies. In addition, companies have provided catered lunches as well. Notable contributing companies have been ECL Decollement Consulting and Petrocraft Products Ltd.

SERVICES

MEMBERSHIP COMMITTEE (vacant)

No report available.

VOLUNTEER COORDINATOR (Blythe Lowe, Volunteer Coordinator)

No report available.

HONORARY ADDRESS (Steve Haysom, Chairperson)

No report available.

PHOTOGRAPHIC COMMITTEE (Vic Panei, Chairperson)

During the year, the Committee provided photographic coverage at most of the Society's luncheons meetings, as well as at the Awards dinner. 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 213-7848.

ARCHIVES AND HISTORY COMMITTEE (Clinton Tippet, Chairperson)

The committee has been quite active over the last year as preparations have been made for the Society's 75th Anniversary celebrations. Initiatives include the C.S.P.G. Oral History Project in which Past Presidents and other major contributors to the Society are being interviewed with transcripts being generated for various uses. This material, together with the results of other research, will form the basis for a book being written about the Society which will hopefully be ready for the June 2002 Convention. Vic Panei of the Photography Committee has provided assistance in the selection of slides from the Society's collection for possible use in the book and elsewhere.

The 2002 Convention and its associated events are being built around the recognition of this 75th Anniversary. The History and Archives Committee supported the 2002 Convention Committee, in particular Gerry Reinson, in their design and production of the promotional material that was available for the 2001 Convention. The calendar for 2002 has been given an historical theme and, in collaboration with the Calendar Committee under Gary Johannson, we are planning to produce an equally attractive departure from our normal geological product. Plans are underway for additional Convention activities including technical sessions and a field trip for next June. Unconventional activities have therefore been kept to a minimum.

The Chairman was assisted in his duties by Jack Porter and in regards to the Convention-related projects by Kathy Scales and the late Rory Hankel. Additional volunteers are always welcome.

GROUP INSURANCE (Robin Mann, Chairperson)

Ogden Financial Planners (for Life, Health, Dental and Long Term Disability Insurance and Financial Planning) and Financial Management Ltd. (for Home and

Auto Insurance) continue to supply the CSPG membership with very competitive insurance coverage. Over the past year the various plans have worked well with no major problems to report.

For questions on Life, Health, Dental and Long Term Disability Insurance and Financial Planning please call Brian Ogden at 228-0901 or Chris Fredrick of Financial Management at 255-2876 for questions on Home and Auto Insurance.

MANPOWER SURVEY (Keith Deutsch, Chairperson)

No report available. Committee inactive.

AWARDS

PRESIDENT'S AWARD (Brad Hayes, President)

The President's Award is presented annually to individuals who have contributed to the Society through outstanding service. Traditionally, it is given to the Chairperson of the CSPG Annual Convention, who undertakes the most challenging position the Society has to offer. This year, I am happy to continue that tradition by recommending Regan Jane Palsgrove, Chair of "Rock the Foundation", the 2001 CSPG Convention.

After several years of joint conventions with other societies, particularly the huge GeoCanada 2000 show, Regan faced a new kind of challenge. She had to direct a group that would put together the type of convention that CSPG members have come to expect, drawing entirely upon the resources of our own Society. Her leadership transcended events such as the loss of the committee's Finance Chair and the move to the new Convention Centre. "Rock the Foundation" was a tremendous success, providing CSPG members with an excellent technical program, first-class exhibits, and wonderful opportunities to network and relax with colleagues informally and at social events. On top of that, the meeting generated a very substantial profit, thus subsidizing the Society's many other programs and services.

Regan Palsgrove completed her undergraduate education at the University of Calgary in 1988, then moved on to the University of British Columbia for her Master's degree in 1990. Her industry career began at Chevron Canada; she moved to Crestar Energy in 1996, and then on to Petromet Resources in '99. Her last career move was involuntary; as Petromet was acquired by Talisman Energy. Regan is a second-generation CSPG member, and is an excellent representative of our new generation of high-level volunteers. Prior to her experience with the Convention, she served on the Student-Industry Field Trip Committee for three years.

The CSPG relies upon the Annual Convention to be our showcase event of the year – technically, socially, and financially. I thank Regan Palsgrove on behalf of the entire Society for her excellent efforts to make the Convention a great success. The future of the CSPG depends upon the volunteer efforts of people like Regan.

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

Honorary membership in the CSPG is awarded by the Executive Committee on the recommendation of the Honorary Membership Committee. Nomination for Honorary Membership are received from the CSPG Membership at large throughout the year.

The criteria for considering Honorary Memberships are:

1. persons who have made outstanding contributions to the Society;
2. geologists or other earth scientists who have made outstanding contributions to the cause of petroleum geology on a national or international basis;
3. there will be no restriction on age in considering someone for honorary membership.

Six candidates were considered by the Committee and the Executives. Two were selected and recommended:

1. Cal R. Evans who was president of the Society in 1973 and who shepherded the symposium "Canada's Continental Margin".
2. Robert J. Weimer was always willing to lend his expertise to the CSPG and the work from Colorado School of Mines

LINK AWARD COMMITTEE (Rick Steedman; Chairperson, 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, five of eighteen papers were eligible for the award. The Technical Luncheon committee presented an interesting and varied selection of talks this year, although a lower than usual number were eligible for the Link Award.

The winner of the 2001 Link Award is Noel James, for his paper entitled "Death Of A Myth: Drilling A Cool-Water Carbonate Platform Margin In The Great Australian Bight" presented September 19th, 2000.

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

2000 John B. Webb Memorial Trophy :

2001 WESTERN INTERUNIVERSITY GEOLOGICAL CONFERENCE (WIUGC) was hosted by the University of Manitoba from Jan 11-14 / 2001. The winner of the John B. Webb Trophy was Guy Desharnais from the University of Manitoba, and the title of his talk was "Marginal Zone of the Fox River Zone: A New Cu-Ni-PGE Target". Next Years Conference will be hosted at the University of Alberta in January 2002.

2000 CSPG Trophy:

2000 ATLANTIC UNIVERSITIES GEOLOGICAL CONFERENCE (AUGC) was hosted by Dalhousie University on October 20-22 / 2000. The winner of the CSPG Trophy for the best Student presentation was Jennifer Sabeau from the University of Dalhousie, and her talk was titled: "Monitoring Oil Spill Bioremediation using Marsh Foraminifera as Indicators. The next AUGC will be hosted by Sir Francis Xavier University in October 2001.

MEDAL OF MERIT (Jim Barclay – Chairperson; 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-2000 papers. The Committee evaluates refereed papers published in a variety of Canadian and international journals, books and government publications and also uses searches of literature databases. Publications evaluated include 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*.

During the summer of 2001, the Committee reviewed many of the tables of contents from appropriate journals and this fall we are working on reading the abstracts and skimming papers to select a short list of the most promising papers for the Medal of Merit Award. The papers on this short list will be read in more detail with the intention of choosing the "best" paper. I look forward to our usual lively discussions on selecting the best paper!

As Chairperson, I would like to thank the Committee members for their diligence in compiling tables of contents and abstracts and papers, particularly in what was a very busy summer for all of the committee. I would also like to thank Burlington

Resources Canada Ltd. for letting me use their meeting room for our meetings and allowing me to expense a couple of lunches for those meetings, or at least for not noticing that I had done so.

R.J.W. DOUGLAS MEDAL (Andrew C. Newsome, Chairperson)

No report available.

STANLEY SLIPPER GOLD MEDAL (John Hogg, Chairperson; 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 medal is presented annually by the CSPG outstanding contributions to oil and gas exploration in Canada. The medal was established in 1989 and was designed by Calgary sculptor, Bob Stowell.

The contributions of the winner of this award can encompass one or more activities related to aspects of petroleum exploration. Such activities may include; initiating and or leading exploration programs, teaching and or training and mentoring of explorationists, innovative exploration concepts, and involvement and demonstrated leadership within geological societies and professional organizations.

The 2000 winner of the medal was J.C. Anderson. J.C.'s vision reaped one of its biggest rewards in 1970, when he pursued the Peace River Arch area of northwestern Alberta—an area that was dismissed as unproductive. The result was the discovery of the Dunvegan gas field. Geologic mapping convinced J.C. that a large normal fault could be present in the Dunvegan area. The exploratory drilling discovered a 1.4 TCF gas field, 16 miles long and 3 miles wide. J.C. put together various innovative farm-in deals, joint venture financing and gas marketing arrangements to drill and develop the gas field. At this time, gas was not the commodity of choice and the discovery was far from the markets but J.C. had the

foresight to see the future potential of natural gas. Since 1968, through a combination of exploration, exploitation and acquisitions Anderson Exploration has grown to a \$4 billion dollar company producing 720 MMcf/d and 47,000 Bopd.

J.C. knows that oil and gas exploration is a science and technology driven business and not something that can be overpowered with money. He has always promoted within the company a multidiscipline approach whereby geology, geophysics and engineering come together to make decisions and, ultimately, make discoveries. J.C. is a creative, "in your face" deal-maker and doesn't conform to a "formula" for finding oil and gas.

GRADUATE STUDENT THESIS AWARDS COMMITTEE CSPG **GRADUATE STUDENT THESIS AWARDS COMMITTEE** (Andre Chow, Chairperson; 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 the appropriate luncheon. Illustrated citations, acknowledging the achievement of the winners, also eventually appear in the *Bulletin* and/or *Reservoir*.

This year (2000) 18 M.Sc. and 6 Ph.D. theses were submitted representing 10 universities across Canada. The winner of the Ph.D. award was **Dr. Murray K. Gingras** (University of Alberta, Dr. George Pemberton advisor) for "Applications and approaches in lchnology, neoichnology, and sedimentology." This dissertation is an exceptional and innovative study of ancient bioturbated estuarine deposits of western Canada and their comparison with modern

settings as exposed at Willapa Bay, Washington. The thesis is well-written and its interpretations and practical applications of animal-sediment relationships are presented in a very readable form, without being overwhelmed by the abundant taxonomy of trace fossils. A prime contribution of the work is the elucidation and documentation of the effects of burrow-mottling on rock permeability. Dr. Gingras provided convincing arguments for the economic significance of enhanced permeability at disconformity surfaces which contain the Glossifungites ichnofacies and in the development of dual permeability systems in burrow-mottled carbonate reservoirs such as the Tyndall Limestone of Manitoba. Dr. Gingras also came up with a field technique in which to determine the firmness of colonized sediment substrates. The results, co-authored with Dr. George Pemberton, were published recently in the *Journal of Sedimentary Research* (v. 70, No. 6, p1341 – 1344).

The winner of the M.Sc. award was **E. Matthew Caddel** (The University of Calgary, Drs. Ian Hutcheon and Tom Moslow co-advisors) for “Sedimentology and stratigraphy of the Falher C Member, Spirit River Formation, Northeastern British Columbia.” This thesis examines a highly prolific gas bearing reservoir unit in western Alberta and Northeast British Columbia in both outcrop and the subsurface. Significant emphasis was placed on observation and interpretation of the well exposed outcrops of the Falher C Member with the results providing a well constrained depositional model that will aid subsurface exploration efforts. The ground penetrating radar (GPR) method was used to image Falher units “hidden behind” the visible outcrop exposures. With further refinement and suitable outcrops this method holds promise to reveal stratigraphic complexities hidden behind the outcrops in other areas. The reservoir quality and architecture was also discussed in detail. Overall the thesis was well documented and excellently illustrated.

An Honourable Mention was also given in the M.Sc. category to Sophie Lemieux (The

University of Calgary, Dr. F. Cook advisor) and her thesis entitled “Tectonic evolution of the Precambrian basement and structural analysis of the western Canada Sedimentary Basin in southern Alberta, from seismic reflection and potential-field studies.. This thesis is a succinct, well-written and well-illustrated review and study of the crystalline basement and its relations to the overlying southern Alberta Phanerozoic. Lemieux's Thesis makes very good use of Lithoprobe deep seismic reflection profiles and gravity-magnetic potential field studies to show control of Phanerozoic structure and to understand Precambrian tectonic history of the Archean Medicine Hat Block (MHB). Good arguments are made for the continuity of the MHB with the Wyoming Block across the Great Falls Tectonic Zone so that the Vulcan structure becomes the more significant structural-tectonic basement Shield break. Part of the Thesis have already published or in review with her co-authors and advisors - Fred Cook (Univ.Calgary) and Gerry Ross (GSC),

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. Also thanks are extended to Kim Belmonte for her help and Burlington Resources Canada for their financial support. The committee also welcomes any potential new members. Participation provides members with an opportunity to keep up to date with current university research. Please contact Andre Chow at Burlington Resources or any of the other committee members for additional details.

REGIONAL GRADUATE/UNDERGRADUATE SCHOLARSHIPS (Shawna Christensen, Chairperson; 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 2000 recipients are:

Western Canada

Sharleen Ramos (University of British Columbia) – MSc. *Fractured Gas Shale Resources – Role of Organic Matter*

Central Canada

Joanne MacDonald (Queen’s University) – MSc. *Sedimentology of Cool-Water Carbonates on a Paleotopographic High, St. Vincent Basin, South Australia*

Eastern Canada

Mark Deptuck (Dalhousie University) – PhD. *Sand Body Geometry in Submarine Fans*

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 2000 recipients are:

Western Canada

Christopher Couëslan (Brandon University)

Central Canada

Grant Bishop (Queen’s University)

Eastern Canada

Allison Moore (Memorial University)

UNDERGRADUATE STUDENT AWARDS COMMITTEE (Chris Tanglis, Chairperson)

The 2001 Undergraduate Awards will be presented to the following students:

School	Name of Recipient
Acadia University	Mark Ferry
University of Alberta	Kimberly Earle
Brandon University	Shea Martindale
University of British Columbia	Amanda Bustin
Brock University	Susannah Krack
University of Calgary	William J. Wilmot
Carleton University	Brett Harris
Dalhousie University	Aaron Dondale
University of Guelph	Tanya Kampher
Lakehead University	Andre Dunford

Laurentian University	David A. McCullough
Laval University	Karl Guilmette
University of Manitoba	Michelle Saquet
McGill University	Monika Cieslinska
McMaster University	Beth Forrest
Memorial University of Newfoundland	Karen Phillips
University of New Brunswick (St. John)	Erica Reese
University of Ottawa	Sebastien Bernier
Queen's University	Brian J. Peterkin
University of Saskatchewan	Amanda Gaze
Simon Fraser University	Sean A. Todd
St. Francis Xavier University	N. Jason Johnson
St. Mary's University	Karen Maillet
University of Toronto	Steven Denyszyn
University of Victoria	Roberta Press
University of Waterloo	Duncan Mackay

Malcolm Lamb
 Larry Lane
 Robert Langille
 Fred Laudel
 Dale Leckie
 Bill Martindale
 Doug Minken
 Dave Morrow
 Ron Newman
 Dave Newman
 Jack Porter
 Lisa Sack
 Terry Sami
 Des Smith
 Ed Tawadros
 Bob Turner
 Kim Wallace
 Ted Watchuk
 Dan Willson
 Jeannette Young

TRACKS, SERVICE AND VOLUNTEER AWARDS (Shawna Christensen, Awards Coordinator)

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

Debra
 Nishida

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

Shaun Alspach
 Astrid Arts
 Nick Ayre
 Tara Brekko
 Ann Burrage
 Doug Cant
 Shawna Christensen
 Mike DesRoches
 James Duggan
 Phil Esslinger
 Martin Fowler
 Brad Hayes
 Denise Hodder
 Dale Issler
 Pat Jans
 Tracey Jungwirth
 Aubrey Kerr
 Hank Klassen

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

Maria Aguilera
 Duane Avramenko
 James Babineau
 Cathryn Baturin-Pollock
 Peter Bauman
 Howard Brekke
 Memory Dimitriou
 Jon Dudley
 Scott Durocher
 Hop Chi Fong
 Shannon Greene
 Kenneth Hansen
 Adam Hedinger
 Dawn Hodgins
 Peter Hodgins
 Michele Innes
 Ulla Kapp
 Don Keith
 George Langdon
 Tim Lau
 Chris Link
 Greg Lynch
 Lem MacDonald
 Suzanne Marechal
 Richard Matthews
 Dave McCullough
 Marianne McKenzie

Shannon Nelson
Kirk Osadetz
John Ostrom
Paul Piovoso
Brian Pratt
Kevin Root
Rib Scammel
Wendy Shier
Don Simmons
Stacia Skappak
Catherine Skilliter
Kendra Stone
Stephanie Van Hoekelen
Jennifer Vezina
Louise Wayman
Caroline Williams
Don Williams
Elizabeth Willson
Richard Wong
James Wood

SOCIAL EVENTS

PAST PRESIDENT'S DINNER (Kathryn Scales, Chairperson)

The Past President's dinner is an annual event, which all attendees pay a fee to attend. Of the 43 Past Presidents of the Society, 20 managed to attend this year's dinner, as well as some of the current Executive. Highlights of the evening were self-congratulations on showing Mr. Chretien that he had not, indeed, forgotten how to back-pedal (re-naming of Mount Logan issue), as well as the book launch of Alice Payne (PP in 1992), and, of course, a well-illustrated presentation by the current President, Ian Hutcheon. As in the past, considerable discussion ensued on the quality and cost of the *Reservoir*, as well as some of the new ventures that had been implemented by Ian and his Executive team during the year.

AWARDS DINNER (Douglas Carsted, Chairperson)

No report available.

MEN'S ANNUAL GOLF TOURNAMENT (Ron Newman, Chairperson, report submitted by Foon Der)

The 2001 Tournament was held at Elbow Springs Golf Club from June 20-22 during a break in the normally rainy month of June. Twenty-two flights of 180 contestants hit the links for three days of social activities punctuated by 54 holes of golf. The serious swingers battled it out gladiator-like through 3 days of match-play while the less capable enjoyed themselves during the last day or two which culminated in the Chuckwagon on Friday morning.

There was a change implemented in the Paskapoo Flight (Championship), which brought together a three-some for the final day because a decision was made to implement stroke play format to determine the winner in the finale. For the third year in a row and 4 out of the last 5 years, Scott Dutton prevailed as the champion scoring a 70 to runners-up, Ray Madison and Monty Ravlich who both scored 75s. Under the new qualifying format for the Paskapoo Flight, this year's winner of the Brazeau Flight (#2), Dave Christie will be promoted to the Paskapoo Flight in 2002.

The winning Chuckwagon team was lead by John Maher managing to reach -14 for their 18 hole round. The other members of the team were Brian Ard, Colin Thiessen, Ed Navickas and Jack Gould. The Runner-up Chuckwagon team lead by Eric Loughhead, supported by Philip Hulet, Bill Galloway, Frank Chappell and Tony Sequeira were a shade behind the John Maher team at -13. The team led by Mike Bulina came third. The fourth place team was captained by Don Dewar. Honorable mentions went to teams headed by Jim Prior and Bill Clark who were tied with the third and fourth place teams at -11 but were relegated to also-rans when the tie-breaking formula was applied.

A tribute to the founders of the tournament was held this year due to the unavailability of key individuals last year for the 40th tournament. Murray Shier, chairman of the third tournament was invited to attend the Awards banquet along with Lloyd Flood (#5 Chairman) and Norm Boyse (#7 Chairman). He mentioned the recent passing of chairman #2, Fred Brechtel, who was one of the primary organizers, about getting

started at the new Canyon Meadows Golf Club and that they did not begin to have a wind-up banquet until the tournament was well established.

One of the two key ingredients for having a successful tournament is having prime golf weather and loyal sponsorship. The first ingredient was present again, which provided enjoyable playing conditions. The second ingredient was also present due to the positive responses by loyal sponsors to appeals for support. By supplying many of the value-added aspects of the tournament from food and refreshments, to skill and door prizes and to hats, shirts, photos, etc. the cadre of sponsors met the challenge again. The organizing committee would therefore remind each participant that if they are in a decision-making capacity to examine the sponsor list and patronize them if possible. Making sure that sponsors see a return on their sponsorship make it easier to approach in the future to see that the quality of the tournament is maintained at current levels.

The tournament thanks Ron Newman for chairing the organizing committee for the past 2 years, all committee members and welcome Bob Nixon as the incoming Chairperson for 2002. He can be reached at Gilbert, Laustsen, Jung Associates (403-266-9586).

CSPG MIXED GOLF COMMITTEE (Dick Willott, Chairperson)

The 12th annual CSPG Mixed golf tournament was held at D'Arcy Ranch on August 24th, 2001. The weather was fabulous, as usual. A complete slate of 144 golfers participated this year, with a few unfortunate, tardy souls left on the waiting list.

The Low Gross trophy was won by the team of Travis Johnston, Joan Tittermore, Mike Finn and Gerald Wendland; Low Net was captured by Byron Cowley, Deno Adams, Diane Dahl and Wayne Larnas; the High Gross trophy was awarded to John Sliwinski, William Sattlegger, Ron Ott and Marilyn Neary.

The organizing committee consisted of Dick Willott (Chairperson), David Middleton

and Penny Harley working on the registration, Gord Gilmour, Ron Britton and Byron Cowley (sponsorship), 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 paid off with another great event. Thanks to all the sponsors and contributors, especially to Financial Management, our Main Sponsor, for their continuing and generous support, and thanks to all who came out for a fine day of golf with us.

Next year's tournament will be held on August 23, 2002 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).

CSPG SQUASH TOURNAMENT (Anne Burrage and Brian Fyke, Co-Chairpersons)

As in year's past, the (18th) Annual CSPG Squash Tournament was a great success. The 2001 Tournament was our largest ever with over 130 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 Platinum and Gold Sponsors for their support.

Premier Sponsor: Tucker Wireline Services.

Platinum Sponsors: Baker Hughes Canada, Computalog Ltd., Decollement Consulting Ltd., Landmark – Geographix, Northstar Drillstem Testers, Reeves Wireline, Request Seismic Survey Ltd, and Ryan Energy.

Gold Sponsors: Accumap Enerdata Corp., AGAT Laboratories, Arcis Probe Data, Belloy Petroleum Consulting Ltd., Bluecastle, Core Laboratories Canada Ltd., Datalog Technology Inc., Geo-Logic Systems, Geo-X

Systems Ltd., Global Link International, Halliburton, HIS Energy Canada Ltd. (Accumap), Kelman Seismic Processing, Manta Sport Ltd., Maxxam Analytics, Meloche Monnex, Northwest Labs, Pro Geo Consultants, Rakhit Consulting, Sensor Geophysical Ltd., Solid State Geophysical Ltd., Tokpella Resources Ltd., United Geocom, Veritas, Waterous Securities, Weatherford Completions Systems, and Zirco Ltd.

Special thanks to Committee members: Andrea Bell, Bob Bonnar, Mark Dzikowski, Andrea Henry, Greg Loughlin, Randy Smith, Dwayne Sparks and Kent Wilkinson. Without the strong committee support the tournament would not have been the success that it was. The 2002 Tournament is scheduled for January 31, February 1 & 2 at the Calgary Winter Club.

CSPG 10K ROAD RACE (Boe Baskerville, Chairperson)

The Annual CSPG 10Km race attracted over 130 participants this year. This race tends to attract a loyal following of endorphin craving runners. Construction on Princes Island necessitated some changes to the course this year. This added some route finding challenges to the already daunting feat of running 10 Kms on the edge of hypoxia. This did not appear to give Darren Burrows any trouble as he edged Don Bambury out of the top spot overall. His time was an impressive 33:58. The top overall female went to Janice Patterson in a time of 40:00. The top geologist's category winners were once again Tim De Freitas in 37:02 and Denise Woofter in 43:53. In the top geophysicist's category Lorna Hawley won again in a time of 47:43 and Kees Sinke finished first again in 37:04.

Our sponsors deserve a great deal of recognition for the success of this and other events organized through the CSPG. Their generous funding made this possible. Thank you to: Accumap Enerdata QC Data, adidas, Alberta Energy Company Ltd, Baytex, Belloy, Canadian Discovery Digest, Canadian Hunter Exploration Ltd, Compton Petroleum

Corporation, Core Laboratories Canada Ltd, Crestar Energy, Decollement/International Exploration Consultants Ltd, Eau Clair YMCA, Exploration Consultants Ltd-ECL, Gord's Running Store, Gulf, Kicking Horse, Landmark, Max, Northstar, Powder, Precision Seismic, Reeves Wireline, Riley's Reproduction, Rio Alto, Talisman, Tokpella Resources Ltd.(Mole), and Tucker Wireline.

This race depends upon the participation of many dedicated volunteers. I would like to thank my co-Chairperson Ann Ceccanese, as well as Dorothy Chin, Vic Urban, Mark Shaw, Glen McWilliams, and both Kathy & Rob Taerum. Rob once again did an excellent job of setting up the data base for the race and generating the results which can be found on the Calgary Road Runners web site at www.cadvision.com/roadrunners/results.htm

Many of the CSPG 10Km race organizers have been involved for several years (or more, +10 in Vic's case) and are ready to hand the reins over to a new group of volunteers. I and others will assist in the transition next year, but, if this race is to continue we require several people to step forward to help in race organization. Please contact me at Talisman Ph-237-1510 if you are interested in helping to coordinate this great event.

OUTREACH PROGRAMS

STUDENT INDUSTRY FIELD TRIP (Doug Hamilton - Chairperson, PanCanadian Energy; Shaun Alspach, Enermarket Solutions; Wes Bader, Anadarko; Henry Beshry, Primewest Energy Inc.; Matt Caddel, BP Canada; Gela Crane, PanCanadian Energy; Leah DeJong, Conoco; Mike DesRoches, CNRL; Denise Hodder, Exxon/Mobil; Dawn Hodgins, Talisman/UofC; Bruce McFarlane, Canadian Hunter; Marianne McKenzie, Husky; Lisa Sack, Canadian Hunter; Indraneel Raychaudhuri, Canadian 88; Stacia Skappack, Husky; Don Simmons, AEC; Stephanie Van Hoekelen, Petrel Robertson)

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 new found 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. This year's winners of the Technical Award for best geologic interpretation were "BACC Ltd." which consisted of Ben Crutchfield (U of Alberta), Chris Drielsma (McMaster), Allison Moore (Memorial) and Carmen Higginbottom (U of Windsor). The winners of the Financial Award for making the most profit were "Mega Gas" which consisted of Eric Desaulniers (Laval), Micheal Dorland (U of Western Ontario), Heather Paul (Acadia) and Flavia Nunes (U of Toronto). 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 2001 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: AEC, Ayrton Exploration Consulting Ltd., BP Canada, Bonavista Petroleum, Canadian Hunter Exploration Ltd., Canadian Natural Resources Ltd., Computalog, Enermarket Solutions, EUB, Exxon/Mobil, Gulf Canada Resources Ltd. (Conoco), Husky, Calpine, Nexen, PanCanadian Energy, 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 new-found knowledge. SIFT 2001 would like to thank Anderson (Devon), Anadarko, Canadian Natural Resources Ltd, Canadian Society of Petroleum Geologists, Dominion, Gulf Canada Resources Ltd. (Conoco), PanCanadian Energy and Talisman for hiring SIFT students this summer. Thanks to AEC, Murphy, NCE and Petrel Robertson for participating in the summer student program. If you are interested in hiring a student from the upcoming SIFT 2002, please contact Doug Hamilton at PanCanadian Energy

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.

VISITING LECTURER COMMITTEE (Henry Klassen, Chairperson)

No report available.

SEDIMENTOLOGY DISPLAY COMMITTEE

No report available. Committee inactive.

CONFERENCES, CONVENTIONS, SEMINARS AND SYMPOSIA

2001 CONVENTION COMMITTEE (Regan Palsgrove, General Chairperson)

The 2001 CSPG Convention, "Rock the Foundation", was held from June 18-22, 2001, at the Telus Convention Centre (TCC) and the AEUB Core Research Centre. This was later than usual, as the originally scheduled dates for the convention, May 28-June 2, overlapped with the AAPG's annual convention. The TCC had only one other available week in May or June, June 18-22. Unfortunately this overlapped with the Men's Golf Tournament, but there was no alternative. Although this made it difficult for some sponsors, exhibitors and delegates, it would have been devastating to sponsors and exhibitors if we had run simultaneously with the AAPG Convention.

"Rock the Foundation" was the first solo-society convention since 1996. The intent of the theme was to have the technical content focused on the foundation of our business-the rocks- and this was particularly appropriate for a CSPG-only convention. The previous years convention was extremely multi-disciplinary, so we felt a return to more focus on Canadian petroleum geology was timely.

Running a single society convention was in many ways easier to plan than a joint convention, but it had its own challenges. Would enough people register? Would we attract enough sponsors and exhibitors? Would we get enough volunteers?

Another great fear was the move to the new Exhibit Hall in the new building of the

Telus Convention Centre. The move was necessary as the old Exhibit Hall was renovated and made considerably smaller (the kitchen was expanded). The new Exhibit Hall offered more space and was much more pleasant, and so it was hoped that people would not mind crossing Stephen Avenue Mall to go between the Exhibit Hall and the Technical Sessions.

In the end, the convention was both a technical and financial success. In this report I will mention some highlights and "low-lights". Much more detail, as well as recommendations for future years, are provided in my committee's final report.

The convention planning began in earnest in Sept. 1999. A committee of 14 sub-committee "chairs" (listed below), 35 sub-committee volunteers, and an additional 50+ onsite, short-term volunteers were assembled over the next 21 months. Committee and sub-committee volunteers were not too difficult to assemble. They were recruited through my chair's and my own personal networks, as well as through advertising in the *Reservoir*. Short-term volunteers were difficult to recruit. In general, the 14 chairs were under tremendous pressure in the 3 months leading up to the convention, and it became difficult to balance work, CSPG volunteer work, family commitments and friends. Their commitment to the CSPG was admirable, and I want to thank them all once again. If you see a friend or co-workers name in this list, make sure to thank them and tell them what a great job they did!

2001 CSPG Convention Committee:

General Chair: Regan Palsgrove
Technical Chairs: Doug Minken, Kim Wallace
Core Conference: Pat Jans
Posters: Mike DesRoches
Registration: Nicholas Ayre
Exhibits: Tracey Jungwirth
Publicity: Tara Brekko
Special Events: Astrid Arts
Sponsorship: Dan Willson
Short Courses: Malcolm Lamb
Field Trips: Jeannette Young

(Former Field Trip Chair: Denise Hodder)
Finance: Ted Watchuk
(Former Finance Chair: Richard Matthews)
CD and Abstract Publications: James Duggan
Judging and Awards: Ed Tawadros
Logistics: Dave Newman

In addition to the volunteer committee, the convention was supported by Lori Humphrey-Clements, a new full-time employee of the CSPG. Lori's position as Event Coordinator began in September 2000, so we were able to benefit from Lori's skills for 10 months. Future conventions will benefit more and more as Lori establishes relationships with sponsors and exhibitors, and passes on previous year's experiences to future committees.

The Technical Program consisted of 123 talks and 34 posters presented over 3 days at the Telus Convention Center, followed by 23 cores presented over 2 days at the AEUB. Talks were grouped, where possible, into technical sessions called Themes and Symposiums. Themes were elevated to Symposium status if they were considered to be particularly timely, relevant, or of special interest to our delegates. We did feel obligated to have a catch-all session of "other interesting titles". This included late-arriving titles as well as talks that did not fit neatly into our themes and symposiums, but were deemed worthy of presentation. Session Chairs were assigned very early on, and given the responsibility to fill their sessions with talks. The theory was that the Session Chairs were very knowledgeable in that particular field and would have a large network of peers who excelled in that field and could be encouraged to give talks. Generally, this theory worked, and excellent papers were submitted. As usual, however, the abstracts dribbled in late and often only after some arm-twisting.

The Symposiums were especially well attended and appreciated. The titles of the Symposiums were: J.C.Sproule Memorial-Canadian and Adjacent Areas Frontier Geology, Structural Compartmentalization, Stratigraphic Compartmentalization, Coalbed

Methane/Gas Hydrates, and Pioneers of the Past. Pioneers of the Past was a unique session that brought back veteran geologists to share their exploration successes and strategies.

Posters were grouped this year in hexagonal hubs that provided plenty of space for the poster presenter. The posters were set up in the Exhibit Hall to encourage traffic into the Exhibit Hall.

The Core Conference was a huge success this year. One of Rock the Foundation's innovations was to provide advanced audio-visual support. Images of the core were projected onto a screen during the presentations, making the presentations come alive for even those at the back of the crowd. This was very well-received and should be repeated in future years.

This year we tried to have both formal judging, with 2 or 3 assigned judges in the audience of every talk, as well as popular judging, with ballots provided to every delegate. For the formal vote, 2-3 judges were assigned to a particular session and were asked to attend all talks and assign a score for each talk. It is not a perfect system, as different people judge different talks, and so we hoped the popular vote would help identify exemplary talks. We were disappointed that very few people participated in the popular vote. Judges were difficult to recruit for the formal judging process. Posters and cores were also judged using a popular and a formal system. This year we offered better cash awards for all prize categories.

In previous years, the hard-copy version of the talk and poster abstracts had been eliminated in favour of a CD. At our convention, abstracts for every talk, poster and core were provided in both a book and a CD, free of charge. The abstract book was quite heavy and big, and we weren't sure who would want them, so we set them out for optional pick-up on-site, rather than stuff them in all the bags. The return of the abstract book was well-received by the majority of our delegates, with about 70% of them being picked up. Our younger delegates were more in favor of the CD,

while our older delegates were thrilled to have the hard-copy version back. Abstracts were also provided on our web-page.

Scheduling of the talks was, surprisingly, the most difficult part of our convention. Late arrivals of abstracts meant frequent schedule changes. Different versions of the schedule appeared at various times in the web-page, the Delegate Book, and the Revised Schedules at the back of the Delegate Booklet. Miscommunication or non-communication between Committee members, Session Chairs and speakers added to the confusion. The Speaker Night, which was supposed to outline all changes, was poorly attended, largely because it coincided with Father's Day. Delegates were confused because they continued to peruse the coloured schedules in the Delegate Booklet, rather than the printed Revised Schedules tucked into an envelope at the back. In retrospect, I wish we had not attempted to publish the schedule in the Delegate Book, which had to be printed well ahead of the convention, before all the scheduling was confirmed. Perhaps we should have encouraged people to use the web-page to access the most recent schedule changes. I am not sure if this has been a problem in previous years.

Publicity for the convention was provided by advertising in a number of earth-science journals, regular monthly updates in the *Reservoir*, luncheon announcements, and mail outs of First and Final Circulars. We also had an excellent web-page, built by Alpine Nine, that provided lots of information. Our web-page was up and running in a useful fashion by about February; I wish it had been functioning as early as Sept. 2000!

Registration ran relatively smoothly this year, with both Early-Bird, Pre-Registration, and On-site Registration offered. Total attendance was 2,306. Registration fees, on average, were no higher than previous years, but fees were significantly lower for Early Birds and significantly higher for On-site Registrants. This was meant to discourage On-site Registration, which is an extremely expensive service for the 10 - 15% of delegates who typically take advantage of

it. We did opt to still provide On-site service for the very small percentage who did actually need it (3%). Our method worked, as far fewer people registered On-site, while our numbers remained strong. As a result we were able to downscale On-site Registration and run much smoother every morning with less crowding and confusion for delegates. We offered both Pre-registered Bag Pick-up and On-site Bag Pick-up. The only flaw in the registration process was that despite the best efforts of the CSPG office staff, we were not able to update field trip and short course instructors and attendees about the status of the courses as early as they would have liked. Part of this was because we were adjusting to a new Registration software package. The software turned out to be very useful though, and will be very beneficial for future conventions. Unfortunately, we could not get on-line registration this year, but our new system should have on-line registration functioning for next year.

Exhibits was an enormous responsibility, as this committee handled anything to do with the Exhibit Hall, not just exhibits! This included liaising with Posters, Special Events and Registration, all of which were tied to the Hall. As we were concerned people may not make "the trek" to the new Exhibit Hall, we organized a tremendous amount of events and services the Exhibit Hall. We had, in addition to the Ice Breaker, a Mini-Breaker (Happy Hour), Breakfast with Exhibitors, Mini-Golf, Exhibitor's Showcase with a lunch bar, and an Info Desk. All were well attended and seemed to serve the purpose of getting delegates in the Exhibit Hall. The hall was so large it was hard to tell if we had more or less people in the new Exhibit Hall. Three days was a long trade fair for a convention of our size, and a long time for exhibitors to be out of the office. Several exhibitors expressed a desire that it be only two days long. With a two-day trade fair, more delegates would be in the Hall at any one time, and the Hall would feel livelier as well as allow the exhibitors to return to work sooner. In general though, we had a large number of exhibitors (72) and we had many positive comments. Our efforts to encourage

delegate traffic into the Hall were well appreciated by exhibitors.

Logistics were handled jointly by our Logistics Chair, who was forced to leave our committee do to work commitments, and Lori. In the end, 3 weeks before the convention approached, we also hired Kim Ayrton to oversee and manage all logistics (computers, signage, audiovisual, transportation and on-site volunteers). She did a wonderful job, especially as volunteer coordinator. Logistics went very well, and the convention appeared to run seamlessly.

Sponsorship is extremely important to CSPG conventions, and this year we received \$91,700 from 38 sponsors. Our Platinum Sponsors were Nexen, Exxon Mobil, Olympic Seismic, BP, Esso Imperial Oil, Computalog, Shell, PanCanadian, AEUB, Husky, Suncor, and Tucker Wireline. Thank-you to all sponsors!

Short Courses and Field Trips are a much anticipated part of the convention. This year's selection of trips and courses was wonderful, and closely tied to the themes explored in the Technical Sessions. This year we implemented a profit-sharing arrangement with all leaders and instructors, to attract quality trips and courses. 17 courses were offered, of which 12 ran; and 13 field trips were offered, of which 10 ran. Attendance was maximized through an aggressive marketing scheme; including monthly field trip profiles at the luncheons and in the *Reservoir*, and distribution of a catalog of field trips and courses to many major oil and gas companies.

Seeing old friends and colleagues and meeting new ones is an essential part of every convention. This year we went with the tried and true formula of Ice Breaker, Luncheons, and Core Meltdown, in addition to the numerous small events in the Exhibit Hall. The Ice Breaker was held in the Exhibit Hall on Monday night and was well-attended. The sold-out luncheons featured Wade Davis (a repeat performance for the noted anthropologist), and Harrison Schmitt, the only geologist to walk on the moon! Both were fascinating.

We were very proud to host the first ever Long-Time Members Reception, for CSPG members who have been members for 30+ years. This event was probably the biggest success of the convention. It was not limited to convention attendees. Invitations were sent out to 300 or so people, and I think we had at least 250 people attend. It was impossible to count, but the room was packed. The excitement in the air was contagious, as old friends re-discovered each other. Due to the popularity of the event, the Long-Time Members Reception is going to become an annual event.

The convention was not only a technical and logistical success, it was a financial success. Committee Chairs had good judgment balancing cost and quality. Total profit from the convention was \$342,664.80. Revenue generated from our top revenue generators is detailed below.

Revenue from Registration: \$473,920
Revenue from Sponsorship: \$91,700.00
Revenue from Exhibits: \$158,336.16
Revenue from Short Courses: \$62,042.50
Revenue from Field Trips: \$109,250.00
Total Revenue: \$944,089.60
Total Expenses: \$601,424.80
TOTAL PROFIT: \$342,664.80

In conclusion, I would like to thank all the sponsors and exhibitors for continuing to have a presence at our convention. I would also like to thank all the volunteers, especially those on my committee, for your dedication. Thank-you too, to my volunteer's employers, and to my own (Crestar, Petromet, and Talisman). Your support and patience throughout the organization of this conference was essential and very much appreciated. The CSPG Annual Convention provides immeasurable benefits to our industry. Support for it can come in so many ways.

Thank-you, and see you all at the 2002 Diamond Jubilee Convention!

2002 CONVENTION COMMITTEE (Gerry Reinson, General Chairperson)

The CSPG will be celebrating its 75th Anniversary in 2002 and next year's convention is focusing on this **DIAMOND JUBILEE** Event! Drawing on the success of this year's convention, we are planning an event worthy of this milestone. The theme of the 2002 Convention will center on the evolution of the Society from its early beginnings through to the present day and beyond, with a vision to the future. The impact that the Society has, and will continue to have, on petroleum geology and the energy industry in Canada will be emphasized in the various symposia, technical sessions, and special supporting events.

The organizing committee consists of:

Technical Program:

Jim Barclay
Kirk Osadetz

Core Conference:

Pat Jans
Jason Lavigne

Field Trips:

Chris Collum
Jeannette Young

Short Courses:

Doug Stewart

Judging & Awards:

Ed Tawadros

Logistics & Registration:

Craig Lamb

Finance:

Pauline Chung

Special Events:

Memory Dimitriou
Shannon Nelson

Corporate Relations:

Tim Bird

Exhibits:

Shaun Alspach

Sponsorship:

Wayne Dwyer

Publications:

James Duggan

Marketing/Publicity:

Astrid Arts

Honourary Chair

Mr. Jack Porter

Visit www.cspg.org for updates and more information on the CSPG DIAMOND JUBILEE CONVENTION.

SOCIETY LIAISONS

EDUCATIONAL TRUST FUND (Graeme Bloy; Chairperson, Directors: Ed Wright; Tim Bird; Dean Clemenson; Lisa Sack; Gary Kelman; Cindy Riediger; John Cuthbertson)

During the year 2001 changes in the board occurred with Des Smith, the past chair, stepping down and the addition of several new directors (Tim, Dean & Lisa) and a new Chairperson (Graeme) for a three-year term. First we would like to thank Des for his time and effort in chairing the Fund through some difficult times.

The main role of the ETF is to raise public awareness of petroleum geology throughout Canada, on a focused basis, and to encourage some of the next generation to become petroleum geologists.

To fulfill this role, the ETF will fund most of the "outreach" programs of the CSPG. These programs include;

1. SIFT (student industry fieldtrip),
2. the Visiting Lecturer Program,
3. the Honourary Address,
4. EdGeo program,
5. regional scholarships,
6. undergraduate & graduate thesis awards,
7. funding and awards at inter-university geological conferences and
8. general philanthropy.

Stewardship of this Fund is critical if there are to be monies in the future to fund all the programs listed above. At the present time the ETF sits at \$750,000.00. The income from investments generated from this fund does not currently cover the costs of the outreach programs. Over the next couple of years, the CSPG executive has committed to assist the fund until there is sufficient capital to fund these initiatives. At the same time, the ETF board, is committed to preserve the capital of the Fund which is composed of hard-earned donations.

Growth of the fund over the past year was minimal, with the number of donations down to a trickle. We will be actively soliciting funds from individuals, by providing the option to donate to the ETF on the membership renewal notice, and individual one on one solicitation. The CSPG Corporate Relations program will solicit corporate donations.

The board wishes to create a balanced awareness of the fund. We have had exposure at the CSPG annual convention and are promoting the fund on an individual basis. Over the next year we will be promoting the fund at various CSPG functions and through the programs funded by the ETF.

It's time to give back to the society and pay forward into a legacy for the future petroleum geological community. The petroleum geologist demographic has gray shifted dramatically in the past ten years, with more petroleum geologists retiring, quitting or going part-time. There are not enough entry-level petroleum geologists to find the petroleum reserves for future consumption. Reserve replacement needs to start with skilled younger petroleum geologists. Who is going to find the future reserves to heat our retirement communities and provide jet fuel for those of us heading south for the winter? The ETF will be part of the solution to these questions.

AAPG HOUSE OF DELEGATES (Deb Nishida, Chairperson)

The American Association of Petroleum Geologists (AAPG) is an international

geological society with over 30,000 members in 115 countries. AAPG has 3 governing bodies: the Executive Committee (EC), the Advisory Council (AC) and the House of Delegates (HOD). Information about AAPG activities and the organization in general can be obtained from the website which is www.aapg.org.

Many Canadian geologists who are members of the CSPG are also members of the AAPG. The 1,300 AAPG members who reside in Canada are represented by AAPG's Canada Region. The purpose of this letter is to provide a special report to CSPG members concerning the activities of AAPG's Canada Region during the year 2001-2002.

Canada Region Officers for 2001-2002 are as follows:

President - Deb Nishida

Vice-President/Treasurer - John Hogg

Secretary/Foreman - Paul English

Past-President - Marty Hewitt

Advisory Council Representative - George Eynon

The Canada Region sends representatives who serve three-year terms to the House of Delegates. Current Delegates are Wes Bader, Katherine Bergman, Michael Clegg, Robert Dick, Paul English, George Eynon, Marty Hewitt, Chris Heath, John Hogg, Deb Nishida, Gerry Reinson, David Scott, Tony Tankard, Warren Workman. Alternates are Tom Moslow and Bob Sullivan.

A number of Canadians are represented in the governance of AAPG:

Marty Hewitt is the Secretary-Editor of the HOD.

George Eynon is the Chairman of the Constitution & Bylaws Committee of the HOD, and has been nominated to be Chairman-elect of the HOD for next year.

The following Canadian members of AAPG serve on committees within the HOD:

John Hogg is the Chairman of the Honors and Awards Committee

Paul English has been appointed to the Nominations & Elections Committee

Deb Nishida has been appointed to the Visions Committee.

The following Canadian Region members have recently been recognized with honors and awards by AAPG:

Ned Gilbert - AAPG Honorary Membership Award 2001

Charlie Stelck - AAPG Distinguished Educator Award 2001

Geoscience Professional Development Centre at the University of Calgary

AAPG and the AAPG Foundation are committed to assisting petroleum geologists in maintaining and upgrading technical skills. Funding to establish mid-career training computer training facilities for geoscientists has previously been granted to 6 centres in the U.S. and Europe.

Recognizing an opportunity for Canadian geoscientists, an AAPG Canada Region committee was formed which included Deb Nishida (Chairman), Paul English, and Tom Moslow. This committee investigated the feasibility of establishing such a centre in Calgary. With participation and enthusiastic support from the CSPG and the CSEG, the Geoscience Professional Development Centre (GPDC) was established at the University of Calgary. AAPG and the AAPG Foundation granted seed funds of US\$50,000 (\$75,000). This seed money has been supplemented by additional sponsorship, including the Society of Exploration Geophysicists (SEG) and APEGGA.

Courses are now being offered. For more information go to: <http://www.gpdc.ca>

We're currently soliciting new HOD Delegates who will be chosen by an election process. If you are interested in serving as a Delegate, please let one of the officers know. We need and appreciate your help.

Be sure to meet us at the AAPG Annual Convention in Houston from March 10-13, 2002!

NORTH AMERICAN COMMISSION ON STRATIGRAPHIC NOMENCLATURE (NASCN)

(CSPG Commissioners R. W. Yole and Brian R. Pratt)

The 55th. annual meeting of NACSN was held in Reno, Nevada November 13, 2001. Commissioner R. W. Yole attended. Complete official minutes of NACSN meetings are published biennially in Bulletin of American Association of Petroleum Geologists. Information on NACSN may also be found on the website: www.agiweb.org/nacsn, or by contacting the CSPG Commissioners. A brief summary of the main activities of the Commission for the period 2000-2001 includes:

Publication of Notes 63 and 64* in AAPG Bulletin, proposing amendments to the 1983 Stratigraphic Code#;

Sponsorship of a Geological Society of America(GSA) Reno topical session on Carbonate Allostratigraphy and Sequence Stratigraphy;

Proposal and acceptance by AAPG of an NACSN sponsored Hedberg Research Conference on "Sequence Stratigraphy and Allostratigraphic Principles and Concepts"(August 26-29, 2001, Dallas, TX).

In addition, the Commission temporarily suspended long-standing efforts to provide a proposal for incorporation of Hydrostratigraphic units in the Stratigraphic Code. Organisation of a new committee to carry forward this topic in the light of current practices was proposed.

Commissioner Mike Easton(Ontario Geological Survey reported on attempts to reconcile the differences in treatment of Precambrian time units in the Stratigraphic Code and the International Union of Geological Sciences(IUGS).

NACSN is represented on a new committee of GSA which proposes to develop and maintain a geologic time-scale for North America, and to identify additional research topics supporting this endeavor.

Bruce R. Wardlaw(United States Geological Survey, Reston, VA) and Lucy E. Edwards, of the same institution were elected as Chair and Vice-Chair, respectively, of NACSN for 2001-2002.

*NACSN, 2001, Application for amendment of the North American Stratigraphic Code concerning consistency and updating regarding electronic publishing: AAPG *Bulletin*, v.85, no.2, p.366-371.

*NACSN, 2001, Application for revision of articles 48-54, biostratigraphic units, of the North American Stratigraphic Code: AAPG *Bulletin*, v.85, no.2, p.372-375.

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

CSPG/APEGGA LIAISON (vacant)

No report available.

CSPG/GAC LIAISON (Terry McCoy, Chairperson)

No report available.

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. The CSPG has been a member of the PCF for over 14 years. Initiatives undertaken during the past year include:

Education

Classroom materials: This year, the PCF added six new sets of classroom materials to those created in 2000, for a total of nine. Each of these products clearly indicates the curriculum links and required learning outcomes.

1. Energy Machines (grade 4 Science)
2. Earth Really Rocks (grade 3 Science)
3. Canada Fueled by Resources (grade 5 Social Studies, English Language Arts, Mathematics, Information and Communication Technology)
4. Petroleum Magic activity booklet (grades 1 and 2 English Language Arts, Social Studies and Science)

5. Discovery Booklet #2 (grades 10-12/Science, English Language Arts, Math, Social Studies)

6. Oil Sands Poster, developed in partnership with FEESA (an environmental education organization), Shell and Suncor, is a full colour poster in the same style as the Petroleum Poster created with FEESA last year.

Institutes/Conferences

1. For the second year running, the PCF partnered with FEESA to sponsor the Energy Futures Institute and Conference. Unlike last year's Alberta-centered institute, teachers from across Canada travelled for 16 days in Ontario and Alberta and visited virtually every form of energy available in this country. The two-day conference that followed developed recommended guidelines for energy education in Canada.

2. By the end of 2001, PCF will have participated in seven Alberta education conferences and distributed more than 15,000 copies of material to the approximately 28,000 Alberta educators in attendance. Due to budgetary reasons, the PCF had to decline invitations to participate in education conferences in New Brunswick, Nova Scotia and British Columbia.

Careers Database: The Petroleum Careers Database project is now virtually complete. As a separate mini-site accessible through the main PCF Web site, the database 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, salary, and job future. The database search capability allows students and others to search jobs by three different education levels, by job title, and industry segment. The database also features general information about the structure of the petroleum industry, its operations and historical employment levels. The database was made possible through a partnership and supplemental funding from

Alberta Human Resources and Employment and the City of Calgary Youth Employment Centre.

Introducing Petroleum into Alberta's Social Studies Curriculum: In late 2001, Alberta Learning is re-evaluating its social studies curriculum for grades K to 12. 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 has indicated that his agreement with this concept and has designated ministry staff to work with the Foundation on specifics.

Publications

Sales: Last year PCF sold the largest dollar volume and number of publications in its history -- \$153,000. Sales in 2001 are again expected to increase by approximately 25%. This increase is due in part to large (130,000) corporate orders for our new brochure *Understanding Gasoline Pricing in Canada*, large orders of *Canada's Pipelines* by TransCanada Pipelines (70,000), and various large orders for *Canada's Oil Sands and Heavy Oil*, *Sour Gas: Questions and Answers* and *Flaring: Questions and Answers*. Heavy demand also required reprinting of *Our Petroleum Challenge*.

New Publications: *Canada's Crude Oil Resources* will be completed in late fall, 2001. This comprehensive booklet will be 36 pages.

Inquiries

As planned, this year phone/fax/email/walk-in inquiries dropped significantly. This drop reflects a drop in walk-in traffic due to a less-central office location, increased content and traffic on the Web site, an effective toll-free publication order line, and a concentrated emphasis on communicating with the educational community rather than the public.

Web Site

Visits: During the first six months of 2001, the PCF website had 8,914 visitors per month on average, up from 6,427 visitors per month over the same period in 2000. During July and August, visits per month averaged 12,404, an increase of more than 100% over the same period last year, when an average of 5,087 visitors per month were recorded.

Updates: There were a number of updates to the site, most of which increased navigation and download time. From a content point of view, an additional 22 "Quick Answers" were added to the 80 that were already on the site.

Marketing: Advertisements about the PCF Web site ran in two supplements in June. The first, *Exploration, Research, and Technology: Securing Our Future*, was a national supplement that ran in the Calgary Sun, Edmonton Sun, and the Globe and Mail. The supplement was distributed to 270,000 homes and businesses across the country. The second supplement ran in the Edmonton Sun during Environment Week. Estimated readership was 199,000.

Moving from an Alberta to a Canadian Web Address

The Foundation has acquired the rights and will soon move over to the following Web address: www.pcf.ca.

PCF Promotion

Teacher Advertising Campaign: In an effort to inform teachers about the free classroom materials available, PCF ran a series of 22 advertisements in six teacher association newsletters across the country between June and November 2001.

Industry Trade Shows: PCF participated in eight industry tradeshow across the country this year, including the CSPG Annual Convention (June 18-22); the Offshore Newfoundland Petroleum Show (June 21-22); the Atlantic Gas Symposium (July 18-19); and the Oil Sands Tradeshow and

Conference (Sept. 5-6, 2001). At a minimum, PCF provided complimentary copies of publications for these shows. In all, over 1,000 PCF resources were distributed at these shows.

Community Events: PCF also participated in a few community events this year, for the first time in the recent history of the Foundation. These events include the Airdrie and Area Public and Petroleum Producers Awareness Alliance (APPA) Open House on May 2, and two open houses sponsored by Petro-Canada. PCF is making an effort to locate and create dialogue with communities so that these groups become aware of the PCF resources available to them.

PROFESSIONAL DEVELOPMENT CONSORTIUM (Paul Price, Chairperson)
No report available.

APEGGA/UNIVERSITY OF CALGARY STUDENT LIAISON COMMITTEE (vacant)
No report available.

PUBLICATIONS

PUBLICATIONS COMMITTEE (Rory C. Hankel, Chairperson; Mark Cooper, New Publications; Richard Thom, Publication Sales; Tim de Freitas, *Bulletin*; Ray Featherstone and Marc Charest, *Reservoir*; Glenn Karlen, Electronic Communications; Gary Johannsen, Calendar; Jaimè Croft, Communications Manager)

The Publications Committee and the CSPG as a whole suffered a great blow when the long time chair of the committee, Rory Hankel, died after a long, hard fought battle with lymphoma. Rory was a very effective and well-liked leader and the great success of CSPG publications over the past decade is due to a large extent to Rory's skills and foresight. He will be sorely missed. Ashton Embry has agreed to chair the committee, starting next fiscal year.

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 highlights include:

- 1) The availability of Lexicons 1, 2 and 6 on a single CD ROM
- 2) The production of Memoir 19 (Proceedings of the Carboniferous Congress), edited by Charles Henderson, Len Hills and Wayne Bamber. Publication is planned for December, 2001
- 3) A second collection of Classic Field Guides
- 4) A reprinting of Geology of the Calgary Area
- 5) A History of the CSPG set for publication next year as part of our 75th anniversary celebrations
- 6) A digital index and search engine for CSPG publications

In addition, publication of the *Reservoir* and the *Bulletin* continue to run smoothly thanks to all the efforts of the volunteers and staff connected with these central publications. We can also look forward to another terrific calendar which will be bigger and better than ever.

All those connected with the CSPG Publications Committee continue to do an outstanding job, notably Jaime Croft who coordinates all the many and varied activities with good humour and wonderful organization.

STRATIGRAPHIC NOMENCLATURE
Stratigraphic Nomenclature (Ashton Embry, Chairperson; Jim Barclay, Ed Niewinski, Tony Tankard, Ed Wright)

One manuscript was submitted to the committee and suggestions for improvement were passed on to the authors.

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

As usual, the CSPG editorial committee was busy over the past year. The 21

associate editors received and reviewed many papers, although the number of submissions was lower than in previous years. This trend has been noted for a number of years and is of a concern amongst the editorial board. Our goal for the *Bulletin* is to publish at least one special issue each year, and to increase the number of regular scientific paper submissions, while maintaining high standards. While recruitment of special issue papers has been relatively successful (see below), regular paper submission has not. We have stressed that if associate editors know of worthy studies presented at geoscience conferences or other venues, they should approach authors and invite them to submit their paper to the *Bulletin*. This has been effective occasionally in the past, but it has not stemmed the decline in submissions. We strongly encourage our membership and associate editors to continue this effort.

Author interest in contributing to special issues has been higher than normal. In September of 2001, we had 3 special issue publications in progress: topics include fluvial systems, marine conglomerate reservoirs; and petroleum geology of Canada's frontiers. These follow recently published special issues on the Devonian System of the WCSB and the petroleum geology of eastern Canada which were edited by a number of guest editors, including Ken Potma, J. Weissenberger, P.-A. Bourque, and D. Lavoie. Many of these special issues have an origin in the yearly CSPG conferences, and the editorial board is always willing to consider other topics from the CSPG membership. If you are interested in contributing to forthcoming special issues, please contact a member of the editorial board.

We are looking at the feasibility of combining the CSEG and CSPG scientific publications. This move would diversify the scientific content of the *Bulletin*. Many of the members we have interviewed appear to support this move, but there are many issues still to resolve, including the division of cost, distribution lists, combined memberships, etc. The editorial board will release updates

as discussions between the two societies progress, and we encourage CSPG membership to express their opinion on this move.

We have had to revise the payment to *Bulletin* copy editors. The payment they now receive for each hour of work is closer to industry standards than it has been for the last approximately 10 years. We are continually revising the editorial procedure in order to minimize publication costs, but the publication of each paper is still and expensive and labor intensive. Some of the recent changes in the guidelines to authors reflect the introduced efficiencies. Copy editing accounts for about 20-30% of issue costs.

We had several problems with our publishers, such as digital file format, amongst other things. Since most publishers prefer "Mac" platforms for text and figure layout and authors generally use PCs for their reports, file conversion has been a serious problem. It seems that we have now settled on "TIFF" digital files for all images and "Word" for text files. Further, we are now insisting that all scientific papers be submitted digital form, so that "pdf" files are available for web distribution and for author convenience. Digital files also make a more economical publication process. We hope that in the near future that all new scientific papers can be accessed through the CSPG web site.

Each year, we invite about seven associate editors to join the board. The associate editors are usually experts in a particular field, and solicit reviewers for a few papers each year. This is the most important step in the scientific publication process, and all our volunteer associate editors take this responsibility very seriously. They provide detailed commentary on all aspects of presentation and science, thereby ensuring the high quality of the *Bulletin*. We have chosen to recognize these associate editors with a short biography in each March issue. Some papers are radically altered through the review process, and the authors undoubtedly benefit from the many, many comments. Outstanding reviews during the

past two years have been given by many scientists, including Jack Wendt, Jim Wood, James McEachern, Z. Chen, D. Issler, D. Morrow, B. Martindale, Chris Harrison, P. Myrow, P.A. Bourque, B. Pratt, S. Hayes, and many others

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

No report available.

ELECTRONIC COMMUNICATIONS COMMITTEE

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

The Electronic Communications Committee activities centre around the CSPG webpage, its content and utilizing the Internet to add value to our membership. Currently Jaime Croft has been responsible for creating new pages as well as adding and maintaining current information on the website. All committee members have been involved in recommendations on content and enhancements; however, Jaime has put the most energy into making the website into what you see today. On average, the CSPG website has about 4,500 visitors per day. Future plans, through the advertising committee, are to use this exposure to increase advertising revenue to fund the operations of this site.

The committee is looking at future enhancements that will add value not only to our membership, but also to the geoscience community as a whole. Earlier this year, a sub-committee made up of Dan Barson, Bruce McIntyre, Peter Hay, Peter Phillips and Glenn Karlen had reviewed and set in place plans to create an on-line index for CSPG publications based on the keyword indices developed by the Indexing Committee. Current plans are to have this operational on the CSPG website by year end 2001.

Over the past year, time has been devoted by the Chair to research digital publication delivery via the web and determine viable methodologies and services to make this a reality for the CSPG.

The results of this research are that a proposal will be placed before the publications committee in mid October. This will officially begin a process which will eventually see digital access to existing CSPG publications via the web. The goal is to produce a web-based delivery system where users can retrieve abstracts and full citations of CSPG publications - past, present and future. Completion date is contingent on methodology and content. Initial results can be available as soon as 6 months, depending on methodology chosen. Capital investment by the Society will also be contingent on methodology. Significant costs savings to the Society will be realized over time through reduced printing and storage costs.

CALENDAR COMMITTEE (Gary Johannson, Chairperson)

The Committee's business was conducted as usual during most of the reporting year. The 2001 calendar went to print on time and on budget in November 2000, after which followed a long period of relative dormancy until the following spring. This year saw the commencement of work on the 2002 calendar, a special anniversary issue. Although much of the work involved in producing the calendar is performed after September 1st, the unique circumstances of the 2002 calendar warrant special mention. This calendar represents a significant departure from the usual. Rather than featuring the photo submissions of members that we have all enjoyed over the years, the 2002 calendar was dedicated to honouring the Society's past. Key figures in this endeavor were Clint Tippett and Jack Horner, to whom fell the task of researching and selecting the historical photographs that are featured in the calendar. The final product bears the imprint of their outstanding work in this regard. A meeting attended by Clint Tippett, Gary Johannson, Tim Howard and Jaime Croft fine-tuned the final photograph selection in late August.

INDEX OF PUBLICATIONS (Peter Hay, Chairperson; Bruce McIntyre, Gordon Stabb, Marc Charest)

Indexing of all CSPG published papers in the *Bulletin*, *Memoirs* and Field Trip guidebooks continues, with the identification of suitable “keywords” and NTS (National Topographic System) areas for each paper. These indexes have been included annually in the December CSPG *Bulletin* in years past.

A new initiative promoted by Dan Barson has been to add this indexed data to a computer data base for easy access by CSPG members and others. A design of the “search engine” for this proposed data base is currently under consideration and would allow CSPG members to retrieve lists of all CSPG papers which refer to specific ages or formations and which occur in specific NTS areas. All CSPG, as well as Alberta Society of Petroleum Geologists, Saskatchewan and Edmonton Geological Society papers will eventually be included in this data base. A similar retrieval system is currently available for AAPG members. CSPG papers have been indexed in considerably more detail, allowing greater flexibility in retrieval options.

BUSINESS

ADVERTISING COMMITTEE (Norbert Alwast & Tim Bird, Co-Chairpersons; Bob Kuchinski, Shannon Reid)

Our committee is responsible for overseeing advertising and marketing issues across the Society. We participate in the *Reservoir*, technical luncheon committees and website - as well as helping out with promoting events like Golf, Squash and Honourary Address through advertising. Penny Harley left the committee to pursue other endeavors. We wish her well. Shannon Reid of Norwest Labs joined the committee and contributed her public speaking skills by assisting in luncheon advertising announcements.

The past year was one of experimentation. As the Technical Luncheon committee hosted a number of luncheons using computer projection, the

Advertising Committee took up the challenge of presenting advertising with the new medium. Advertising clients were quite receptive and some took the opportunity to provide presentations incorporating animation. The CSPG Advertising Committee would like to thank Reeves Wireline for supplying the computer for luncheon advertising and also for preparing the ad presentations. We continue to look for ways to improve luncheon advertising through table and other ads.

MacDonaldCole Inc. (MCI) and McAra Printing continue to produce the CSPG *Reservoir*. MCI handles the advertising role under our direction. We continue to oversee this process and evaluate progress on an ongoing basis. We also sit on the corporate relations committee and the publications committee. We continue to look for creative ways to raise the profile of our organization with potential sponsors who can help support our activities. Delivering the *Reservoir* to various corporate offices in the city is one possibility that we continue to pursue.

We would like to increase our numbers on the committee. If you are interested, please contact Blythe Lowe through the CSPG Office. We welcome your feedback and suggestions.