

2006 CSEG ANNUAL REPORT



2006 Executive

Oliver Kuhn	President
Doug Bogstie	Vice-President
Jonathan Downton	Director of Educational Services
Bill Nickerson	Assistant Director of Educational Services
Cherene Crawford	Director Member Services
Mike Clement	Assistant Director Member Services
Eric Mikkilborg	Director of Finance
Elizabeth Atkinson	Assistant Director of Finance
Sandy Lucas	Director of Communications
Susan Thomson	Assistant Director of Communications
Jim Racette	Managing Director
Jim Stenhouse	Past President



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President

The most common type of question I've been asked during my year as CSEG President has been related to how much time I'm spending on it – there's an assumption that the role involves a great deal of work. The honest truth is that some of the other CSEG roles I've been involved with have taken far more time and effort, and my tenure as President has been a real pleasure and not too much work. This is because the CSEG is a very well structured, well run organization. Jim Racette and Sheryl Meggeson in the CSEG office run a tight ship, talented people who know what they're doing run all the various committees and subcommittees, and the Executive has a good handle on the society's activities. As a result the demands on the President are not that onerous.

In this report I will mainly limit my comments to the areas of responsibility that are strictly the President's. Most of the CSEG's central activities fall under the bailiwicks of one of the other Executive members, so I will leave those people to comment on their areas of responsibility.

CFES

For the last couple of years I have spent a fair amount of time on this. The Canadian Federation of Earth Sciences (CFES) is a new national umbrella body for the earth sciences that emerged, phoenix-like, from the ashes of the moribund Canadian Geoscience Council (CGC). This overhaul and renaming was a long process that was capped off by successful meetings, which I attended, this past November in Quebec City. The geosciences are a critical component of the Canadian economy, and many CSEG members think it important to have a voice at the federal level. This voice may not be necessary most of the time, but I believe there will be times when it will prove to be critical. I look to my successors to continue on in the positive spirit that allowed the seventeen or so bodies that made up the CGC to unanimously overhaul and recreate the CFES as an effective umbrella body.

SEG

There have been no real outstanding issues with our parent society to the south. I attended the annual meeting that was held at the SEG Convention in New Orleans. It was uneventful. One SEG initiative that the CSEG is working on being a part of is a "Reach for the Top" style contest, given the name "The Challenge Bowl", for student teams to be held each year at the SEG Convention. The idea is

that we will hold a Canadian contest at our convention, and the winning team will be sent to the SEG Convention to compete against other similarly determined teams from sister societies around the world. I feel this as a fantastic way to reach out and engage Canadian undergraduate geophysics students, and I'm really looking forward to seeing it happen.

CSPG

We are now working more closely than ever with our geologist friends. Our society offices are now side by side with them on a single floor, with shared meeting facilities, in our new premises on 8th Ave. S.W., and we are committed to holding joint conventions with them for the next couple of years, most likely indefinitely. As with any marriage, the benefits require a bit of give and take. I, along with Doug Bogstie and / or Jim Stenhouse, have had numerous get-togethers, meetings, email exchanges and so on with our counterparts at the CSPG, primarily 2006 President Jim Reimer, and 2007 President Colin Yeo. All these interactions have been extremely positive, with mutual respect and a focus on delivering increased value to our respective members. The general consensus is that the office move has been a big success, and the 2006 Convention was extremely profitable, certainly more profitable than if we were to go it alone. Down the road, when I'm an old geezer (or older geezer), I'd like to think that one legacy of the Executives I've been involved with is that we were able to negotiate a more fruitful relationship with the CSPG, while still maintaining our own independence as a purely geophysical society.

CAGC

There is not too much to report with regard to the CAGC. The last couple of years have seen a great deal of field seismic activity, and the CAGC has been very busy. We continue to distribute the CAGC magazine, "The Source" along with our RECORDER every three months. The CSEG again participated in and supported the CAGC's highly successful one-day "Seismic in Motion" field trip.

APEGGA

I have had various interactions with APEGGA during my year as President. A new geoscience liaison person was hired in 2006, Frank Scheibli. Discussions are ongoing as to how best transfer over to APEGGA some of the regulatory type initiatives taken on by our

Chief Geophysicists Forum, such as the MLA and Data Practices Standard.

CAPL

Nothing to report.

CAPP

Nothing to report.

PPDM

Nothing to report.

CSEG Nominations

This is the one area that comes closest to being controversial during my tenure. The way that nominations for the CSEG elections have been secured in the recent past is this (in addition of course to those received from the general membership). There is a small committee made up of the President and a few past Presidents. They identify a list of good potential candidates for each of the five Executive positions to be contested. The President then goes forth and asks these people to run until there are at least two candidates for each position. I followed this procedure in that I asked the top three prospective candidates to run. I deviated from tradition in that I didn't keep pushing until I got two candidates for each position, and as a result three of the five had a single candidate and were uncontested. I had various reasons for this and was backed by my Executive. Subsequently, at the annual Past-Presidents meeting we had a healthy discussion about this, and we heard many opposing and legitimate points of view. The Presidents Advisory Council (PAC) is going to follow up on this issue to see if we can institute some modifications to our nomination processes (and post-election processes), to ensure healthy, multi-candidate elections, without arm-twisting required, or for the experience to be viewed as overly negative by unsuccessful candidates.

Many thanks to the office staff, and the Executive members who have served along with me this past year. In particular I would like to thank 2005 President Jim Stenhouse, who worked closely with me during his tenure so I was fully prepared, and then was always available and eager to help me out when I needed it, and to the incoming President Doug Bogstie, who has provided me with solid support and counsel during my tenure.

OLIVER KUHN
President

Vice President

The year 2006 will certainly be recorded as a very active one for the CSEG. It is not every year that you gather up everything and move. Along with the move itself we have a much closer relationship with CSPG both as a leaseholder and as partners in our annual convention. A great deal of my time this past year was spent understanding and appreciating the agreements we have entered into. It also involved taking a closer look at where we stand and where we are heading. This is especially true with the reality of the CSEG Foundation upon us. The Foundation will have long-term impact on how we operate as a society. Essentially 2006 very much resembled an introductory level course in the society's business, call it CSEG 201. While I haven't had to write any finals the following is what I have learned thus far.

Convention Committee

Shortly on the heels of the very successful 2006 Convention, planning began for 2007. The baton has been passed to the new committee under the joint leadership of John Townsley and John Varsek. Along with CSPG and CSEG staff they have succeeded in putting together an equally skilled team of volunteers for this year's event. The first task was determining a theme and this was ably done with "Let It Flow." It recognized the importance of the "flow of Ideas, Hydrocarbons and Business." Having sat in on their early meetings, the organizing committee while building off prior accomplishments has plenty of new and exciting changes they will incorporate during the 2007 event. Everything looks very positive for both societies and the forthcoming convention. It will be one we should all look forward to!

Chief Geophysicist Forum

Certainly the activities of the CGF are critical to the future of our profession. Many times their work seems to fall just

under the radar screen. Under the guidance of Steve Marston they have embraced a very aggressive agenda. Progress was made on the Practice Standard for the use of Geophysical Data file. The results were forwarded to the Society where they were then referred to APEGGA. Other issues that the CGF dealt with included Seismic Data Ownership and Operating Agreement (SODOA). Essentially the goal would be to template a partnership agreement for use in oil company to oil company business. This would fill in many of the gaps found in CAPL agreements. Another issue concerned a Geophysicists Role in NI -51-101. This takes a look at the role of geophysics and its need to be highlighted in NI-51-101 documents. This would involve Geophysicists actually signing off on any evaluation that involved seismic.

Technical Standards Committee

Under the chairmanship of Eric Keyser the Technical Standards committee also had a very busy year. The past 12 months were principally spent gathering information, specifically trying to come up with all the different interpretations of what defines the SEG Y standard. Views were gathered from Vendors, Operators, and various other industry contractors.

In order to take SEG Y like format to the next level we need to make the length of each header a variable, as defined at the start of the format file or contained within the header. This will provide the necessary room to extend the format to handle additional data types as they become available. With a great deal of this work completed, 2007 will be spent defining nomenclature and lobbying software developers to make use of common format files.

The Road Ahead

Recognizing that my term as the Society's President will soon be upon me

is a sobering thought. There seems to be no shortage of challenges that will keep all on the Executive and a legion of volunteers busy. As always a priority is placed regarding our commitment to provide superior value to the membership in the CSEG. Continuing Education and Fellowship Programs will continue to occupy a great deal of our time. This year will hopefully see the Canadian Federation of Earth Sciences (CFES) develop into a more mature organization and provide the umbrella organization that earth sciences badly need. We must keep the CSEG current with where we see ourselves in conjunction with related disciplines. The Information Age seems to be bridging some of the gaps between the various related sciences. This places a special responsibility that we assist our membership in being as current as possible. Not to be forgotten we also need to invest in recording our recent past. We need to capture the past 20 years before the opportunity is lost.

We are also faced with maintaining our Society as a successful non-profit business. Ensuring our long term financial viability requires constant vigilance. The reality of the CSEG Foundation will bring a new host of issues to the table. Defining the relationship between the two will be important in order that the two always act in harmony and concert with one and other.

While acknowledging the challenges ahead, the knowledge that we have an excellent team on the Executive provides the comfort and confidence that we will more than carry on. To carry on in the tradition that has been established by Oliver Kuhn and the 2006/7 Executive as well as the work of prior Directors. We will have the benefit of being able to stand on some tall shoulders.

DOUG BOGSTIE
Vice President

Director of Educational Services

CSEG 2006 Technical Luncheons

Venue and Attendance: The 2006 Technical Luncheons were held at the Telus Convention center at a ticket price of \$33.00 starting of September of 2006. This was increased from the previous price of \$30.00 due to increased room and food costs. Many of the talks throughout this year were sold out with room capacity being around 500. For a couple of the more popular talks we enlarged the room to increase the seating capacity to 600.

Web Casts: Four Technical Luncheons (February, March, June and December) and the workshop of the 2006 CSPG / CSEG / CWLS Convention were recorded for web casting. All these are available at the CSEG website (www.cseg.ca). This last year the Luncheon committee evaluated a number of different ways of automatically capturing the luncheon talks. Hardware and software have been purchased for this purpose and all talks, subject to the author's approval will be available online henceforth. Many thanks to Bob Somerville for his efforts in making this happen.

Appreciation: Thanks to the following people and companies for their contribution of time, commitment and dedication throughout the year.

- The technical luncheon volunteers: Larry Mewhort, Cheran Mangat, Paul Anderson, Larry Adorjan, Chaminda Sandanayake, Hesham Moubarak, Bill Nickerson, Richard Bale, Ying Zu, Robert Somerville. Also thanks to the former

directors Penny Colton, Larry Mewhort and Rob Vestrum for teaching me the ropes.

- Carmen Swalwell as Volunteer Ticket Coordinators in the first part of the year.
- OYO Geospace Canada and INPUT / OUTPUT for the generous donation of sensor cut-outs for use as Speaker mementos.
- Twenty companies for sponsoring monthly Luncheon tickets for students attending the University of Calgary and the Southern Alberta Institute of Technology: The sponsors for the 2005-2006 season are: APEGGA, Anadarko Canada Corporation, Arcis, Boyd PetroSearch, ConocoPhillips, Earth Signal Processing Ltd, Divestco Inc., Encana, Gedco, Hampson Russell, Fugro Jason, Kelman Technologies, Key Seismic, Paradigm, Paramount, Pennwest, Seiscraft, Sigma, and Techo.
- The CSEG staff: Jim Racette and Sheryl Meggeson who assisted in many ways. This year they took on the additional duties of selling the technical luncheon tickets

2006 CSEG Technical Luncheon Speakers and Topics

January: Dr. John Pendrel: *"Seismic Inversion – Still the Best Tool for Reservoir Characterization"*

February: Dr. Michael Enachescu (2005 CSEG Distinguished Lecturer), *"Structural Setting and Petroleum Potential of the Orphan Basin, offshore Newfoundland and Labrador"*

March: Dr. Gary Mavko (SEG Spring Distinguished Lecturer), *"Rock Physics Strategies for Facies and Fluids Mapping"*

April: Henry Posamentier, *"Reducing reservoir risk using 3D-seismic based stratigraphic and geomorphologic analyses"*

June: John Logel, *"The effects of interbed multiples and attenuation (Q) on the mapping of conventional and unconventional reservoirs"*

September: Brian Schulte, *"An example of a fully integrated reservoir characterization project utilizing well data, fluid substitutions, elastic modelling, production history, seismic and AVO attributes"*

October: Ayiaz Kaderali, *"White Rose seismic with well data constraints – less art and more science: A case history"*

November: Paul Anderson and Ron Larson, *"Multi-component Case Study – One Company's Experience in Eastern Alberta"*

December: Dr. Brian Russell (2006 CSEG Distinguished Lecturer), *"The old and the new in seismic inversion"*

In addition to the monthly technical luncheons, the Lunchbox geophysics series presented a series of talks in a smaller, more informal environment free of charge. The majority of talks were held at the Aquitaine Auditorium. Many thanks to Larry Adorjan for organizing the talks in the spring and Francois Aubin and Richard Bale for organizing the talks in the fall. Talks presented included:

December 12, 2006: Rachel Newrick (Nexen) and Paul Anderson (Apache),

"Strange but True Stories of Prestack Depth Imaging."

September 12, 2006: Mark Ng (GeoX) *"Super Duper High Resolution Radon Multiple Attenuation"*

May 9, 2006: Chris Nind (Scintrex), *"4D Gravity for Reservoir Monitoring"*

July 25, 2006: Ashley Francis, *"Porosity and Shale Volume Estimation for the Ardmore field Using Extended Elastic Impedance"*

April 18, 2006: Mauricio Sacchi (University of Alberta), *"New trends in High Resolution Seismic Imaging"*

April 6, 2006: Panos Kelamis (SEG Distinguished Lecturer), *"A Pragmatic View of Land Multiple Attenuation Technology"*

February 21, 2006: Mark Ng (Geo-X), *"Prestack Shot Migration: Wave Equation Phase Shift Method"*

January 31, 2006: Rob Vestrum (Thrustbelt Imaging), *"Depth imaging case history in the foothills of the Colombian Andes"*

January 18, 2006: Emil Blais, *"Automatic continuous non-hyperbolic velocity analysis and its applications"*

CSEG BEST PAPER AWARDS – presented at the February Technical Luncheon by the Director of Educational Services. Selection for these annual awards are based on the objective of "Encouragement and recognition of outstanding contributions and presentations for their significant technical or educational benefit for members, within the calendar year, by a CSEG member and Canadian resident"

Director of Educational Services (con't)

BEST PAPER – CSEG TECHNICAL LUNCHEON AWARD

Henry Posamentier, *“Reducing reservoir risk using 3D-seismic based stratigraphic and geomorphologic analyses”*. The expanded abstract may be found in the April 2006 issue of the RECORDER.

BEST PAPER – CSEG RECORDER AWARD

Mauricio Sacchi, Juefu Wang and Henning Kuehl, *“Regularized migration/inversion: New Generation of Seismic Imaging Algorithms”*. The paper was published in 2006 special issue of the RECORDER.

Awards – 2006

CSPG/CSEG/CWLS Convention – “WHAT’S NEXT? Where is our industry heading?”

BEST PAPER (GEOLOGY OR GEOPHYSICS)

Rob Pinnegar, *“Time-Frequency Polarization Analysis and Filtering”*

BEST PAPER Honorable Mentions

Eric Forgues, Julien Meunier, Christian Hubans and Rick Edwards, *“Steam Injection Seismic Monitoring Experiment”*

Keith Hirsche and Francis Ma, *“Reducing Uncertainty in Time-lapse Seismic Interpretation for Thermal Applications”*

BEST STUDENT PAPER (GEOLOGY OR GEOPHYSICS)

Renee Burton-Ferguson*, Michael Enachescu and Richard Hiscott, *“Preliminary seismic interpretation and maps for the Paleogene-Neogene (Tertiary) succession, Orphan Basin”*

BEST STUDENT PAPER Honorable Mentions

Mostafa Naghizadeh and Mauricio Sacchi, *“FX and FK interpolation methods and further developments for irregularly spaced traces”*

Chuangdong (Richard) Xu and Robert Stewart, *“Seismic Attenuation (Q) Estimation from VSP Data”*

BEST GEOPHYSICAL POSTER

Todd Mojesky, David LeMeur and Ali Karagul, *“Near surface anomalies and solutions”*

BEST GEOPHYSICAL POSTER Honorable Mentions

Satinder Chopra, Kurt Marfurt and Vladimir Alexeev, *“Curvature attribute applications to seismic data”*

Satinder Chopra and John Castagna, *“Seismic resolution and thin bed reflectivity inversion”*

BEST STUDENT POSTER (GEOLOGY OR GEOPHYSICS)

Mark Radomski, Charles Henderson, Tom Moslow and Jon-Paul Zonneveld, *“Sedimentology, biostratigraphy and petrology of marine firm/hardgrounds: Middle Triassic Halfway Formation, west-central Alberta”*

BEST STUDENT POSTER Honorable Mentions

Saleh M. Al-Saleh, Gary Margrave and John Bancroft, *“Designing wavefield extrapolators using a weighted least-squares with a transition band approach”*

Emmanuel Bongajum, *“Simultaneously acquiring 3D-3C well data during 3D surface seismic survey: a useful quality control tool”*

Continuing Education and Outreach

There were a number of continuing education initiatives this year including hosting the SEG Distinguished instructor short course (DISC), the CSEG Distinguished Lecturer and short courses offered at both the Doodle-train and the convention. The SEG DISC was “Seismic Attribute Mapping of Structure and Stratigraphy” presented by Dr. Kurt Marfurt of the University of Houston. The course was coauthored with our own Satinder Chopra. A capacity crowd of over 200 people attended the course at the Metropolitan Centre on Sept. 12th.

The Education committee was chaired this year by Ron Hinds. Courses were offered during the convention and the DoodleTrain week. The DoodeTrain chaired by Bill Nickerson continues to be extremely successful providing our members with educational opportunities and our society an additional revenue stream. In addition to the DoodleTrain, courses were offered at the 2006 convention by the SEG with assistance from the CSEG. This coming convention the CSEG and SEG will both offer courses. It was felt that with the number of young geophysicists entering the profession we needed to offer multiple opportunities for our member to take courses throughout the year.

This was the second year that the CSEG offered a Distinguished Lecturer (DL). Our first DL Michael Enachescu completed his tour of Canadian universities in spring of 2006. Brian Russell was selected as our second DL and started his tour in the fall of 2006. The CSEG has received much

positive feedback from both these tours and I personally want to thank both for their efforts in making this program a success. The Distinguished Lecturer is both an educational and outreach program by the CSEG. Often our society’s benefits fall mainly to our members in Calgary. The DL is an opportunity for the CSEG to provide our membership across Canada with a tangible benefit. If you would like a visit by the DL in the coming year please contact the CSEG office. I would like to thank Mauricio Sacchi, the Chair of this committee and all the other members for making this program a success.

I have enjoyed watching the dynamism of the Outreach committee chaired by Helen Isaac this year. They have initiated a series of new programs to promote the CSEG and geophysics. The committee has grown from a small nucleus to one of societies largest committees. Both the Junior Geophysicist Forum (JGF) and Honorary Address are subcommittees of Outreach. This past year the Honorary Address cosponsored by the CSEG was “Hurricanes impacting Alberta” presented by Jerry Sexton and Daniel Collins at the Southern Jubilee Auditorium. The JGF provided two opportunities for young geophysicists to network with more established geophysicists. Thanks to the JGF subcommittee for making these events such a looked forward event.

JON DOWNTON
Director of Educational Services

Director of Member Services

At the executive level, Member Services represents the needs and concerns of the all the CSEG members, which includes active, corporate, and student members. The CSEG's three yearly social functions are also represented under this portfolio. In 2006, the elected Director of Member Services was Cherene Crawford and the Assistant Director of Member Services was Mike Clement.

Each of the social functions, Ski Spree, Doodlebug, and DoodleSpiel submits a detailed report of their own, so this report contains a quick summary only.

Membership

CSEG membership has grown to an all time high with over 2100 registered members.

Corporate Membership

Corporate membership just completed an 18 month registration arrangement for the 2005-2006 year so that the dues could be collected in a membership year that corresponded to the 12 month calendar year. Therefore, there was no membership drive and no change in the numbers in 2006. The CSEG currently has 41 Corporate Members registered.

Volunteer Appreciation

Volunteers and sponsors are a couple of good reasons why the CSEG is able to keep their fees for the membership and the convention low, compared to similar professional organizations. They do this while distributing a quality monthly publication and expanding their mandate to promote the science of geophysics with growing subcommittees like Outreach, the newly established Foundation, the DoodleTrain, etc. We want to recognize our volunteers (well over 100 of them) at a yearly volunteer appreciation evening. The 2006 Volunteers Appreciation Evening was planned for February of this year. I wish to thank all the volunteers on behalf of the CSEG executive for a job well done.

Sponsors

Our sponsors, in part, ensure that the CSEG has the financial health to hold exceptional technical and social programs for the members. The benefits do not go unnoticed and so I speak for all members when I say thank you.

DoodleSpiel

The DoodleSpiel is always the epitome of a great social function. 2006 marked the 34th year for the bonspiel and it brought out all levels of expertise to the curling rinks in Banff once again. Welcoming the members this year was a hard working team of volunteers chaired by Darrel Jackson. Well done!

Doodlebug

The 54th Annual Doodlebug moved back to Jasper in 2006, a move that, from a logistical planning perspective, was appreciated by the organizing committee. Trevor Packard led the volunteer committee this year and they did a fine job. The golf course and accommodations were well received and the weather cooperated. We will see the event in Jasper again for 2007.

Ski Spree

The Ski Spree celebrated its 39th annual in February 2006 and it was as popular as ever. This great family event always reaches its hotel capacity, and did so once again. The volunteers put on another successful event at the Fairmont Hot Springs Resort led by Mike Jones and all should be commended.

MIKE CLEMENT
Assistant Director of Member Services

Director of Communications

For the 2006 year, the Director of Communications was Sandy Lucas with Susan Thomson as the Assistant Director. With a record number of over 2100 CSEG member's worldwide communication is a vital part of our society. This past year showed continuous improvements for the flow of information from the different CSEG committees to our members. Satinder Chopra does a first-rate job of facilitating the production and design of the RECORDER and the Website with the help from our creative and dedicated volunteers. These two methods of communication provide our members with an excellent source of information pertaining to the geophysical community.

RECORDER

After 31 volumes, this impressive publication, which promotes the science of geophysics and encourages fellowship and co-operation among our members, continues to be one of the best sources of new technology and new ideas. Thanks to everyone who contributes, to the success of the RECORDER by taking the time to submit articles, advertisements and information about our industry. Plans for 2007 will include new features that will continue to bring interest to the readers.

Website

Increased design efforts offer our members on-line capabilities from the

CSEG website. We now have the option to vote on-line and are working towards using the website to renew our membership and register for events. Once again we couldn't do it without the involvement of our volunteers and members.

Many thanks to everyone that supports and helps promote our industry.

Should you be interested in learning more about volunteering for the CSEG, please contact one of the members from the Executive Committee.

SANDY LUCAS
Director of Communications

Director of Finance

Managing Director

The past 12 months has been significant in terms of change for the CSEG. From the very successful start to what will be an annual joint convention with the CSPG, to the new CSEG Foundation receiving the all-important charitable status, to finally the CSEG moving into a new office alongside the CSPG. These three significant changes have paved a path to what will hopefully become a stronger and more dynamic CSEG in the years ahead.

- The 2006 convention was a resounding success that seen 4500 plus delegates engage into what will fast become one of the top Geosciences gatherings annually in the world.
- Now that that the CSEG Foundation can begin the business of soliciting funds I predict it's growth will be quick and its importance to the future of managing new and existing activities within the CSEG will be unmatched. The Foundation is geared to take the CSEG and it's membership to a level of program offerings that only five years ago would not have been viable. The Foundation, along with the continued work of the CSEG Outreach Committee, will propel the CSEG to a level where it will not only rival, but also exceed in areas that other "like" associations can only dream to go. A properly managed Foundation will secure the importance of the CSEG to the Geosciences community in the years to come.

- The re-location of the CSEG business office was two years in the planning. With lease rates in Calgary rising out of control it was important that the CSEG not only find affordable space, but a space that would allow the CSEG to handle it's ever expanding role. By sharing space with our sister association CSPG this has allowed us to achieve this in a "controlled" fashion. The CSEG was able to "piggy back" on the CSPG's urgent office requirements and to date it has been nothing less than a win win for both associations.

I reported last year that we should be in a position for 2006 to offer online services like membership renewals and election voting. We were able to implement the online voting for the 2007 executive candidates, and though voter response was low it is anticipated usage will rise in subsequent years. Online voting is here to stay. As for renewing memberships online, the CSEG through its communication portfolio has restructured the Website committee, now under the direction of Corey Hooge. In a short period of time a number of deficiencies have been uncovered and an antiquated database seems to be the initial item that needs to be corrected to help take the CSEG to a true online membership service. The website committee and office staff are fully committed to having this in place for the fall of 2007 if the dollars can be found. Once the database system has been

modernized then taking it on line for renewals and updating will fall quickly in place. So what was thought to be an easy transition will now involve more time and money, but at the end of this all we'll have a service that will be fully functional now and into the next decade.

Our other major core activity is the DoodleTrain Continuing Education week. The 6th annual training week showed no signs of slowing down and actually achieved the second largest enrollment in its 6 years of operation, and it's importance to the CSEG is growing each and every year. The "DoodleTrain" brand has been well managed and the name now holds the same significance to the events like "Doodlebug" or the "Convention". All you have to do is mention the name "DoodleTrain" and people in the industry know what you are talking about. In 2007 the DoodleTrain will be making a small expansion by offering some select courses in correspondence to the convention.

In closing your CSEG, with the work of it's many committees, office staff and Executive, is in good hands and in a financially sound position. Our strong financial position has afforded the executive the opportunity to initiate and expand its programs and services. The end winner is you, the CSEG membership.

JIM RACETTE
Managing Director

Outreach

The Outreach Committee had a very successful 2006, putting into practice the plans laid in 2005. The highlights of our year are:

Schools Outreach

Led by Perry Kotkas in consultation with the Calgary Board of Education, we made 14 visits to Calgary and Cochrane High Schools. We attended schools' career days and also gave talks to groups of students using our careers in geophysics PowerPoint show. Schools outreachers were Perry, Helen, Anne, Annette, Mark, Paul, Brian, and Bob M.

Three of the schools visits were in conjunction with the CAGC's Seismic in Motion, which three busloads of Calgary high school students attended. Perry, Annette and Mark visited schools to talk about careers and Perry, Annette and Anne hosted students on the field trip. These students were wildly enthusiastic about their trip and we are very grateful to the companies that made this possible with a \$1000 donation: Arcis, Conoco Phillips, Devon Canada, EnCana, Nexen, Paramount Resources, Petrel Robertson, Petro-Canada, Storm, Suncor, Tesla; and \$500: Boyd PetroSearch, Sigma. The CSEG contributed \$2000. Annette Milbradt and Perry Kotkas were the dynamic organizing forces behind this successful endeavour, which was nominated for a Mayor's Excellence Award by the CBE and will be recognized on the Mayor's honour roll in the spring.

In cooperation with the Burgess Shale Foundation, CSPG and APEGGA, we sponsored high school students to the convention in May. Volunteer leaders took them in groups around the exhibition floor, where they were encouraged to ask questions and fill their goody bags.

Career Fairs

We attended three public career fairs in 2006. SAIT aboriginal careers fair saw 300 aboriginal high school students visit the exhibits floor. The Career Show in Calgary and the Vancouver Island education and careers fair in Victoria were very well attended by a cross-section of students and adults. We have refined our promotional material to include brochures on Careers in Geophysics and Careers in Geophysical Technology, a handout with information on university courses, a powerpoint show to project on a pop-up banner, a bound set of colour prints of the powerpoint show, and the SEG's colourful "dig in to your world" poster. These can all be found on the CSEG website, which has been updated to include a separate Outreach button. Thanks for your support, Satinder. We are looking for interactive gizmos to attract people to the booth. Does anyone out there have anything?

Perry Kotkas co-founded the Petroleum Industry Career Communications (PICC) committee, which brings together many acronymic societies to coordinate and share career promotion information and opportunities.

Ambassadors

The Outreach Ambassadors program was initiated by Doug Uffen and is now coordinated by Les Corper and Hassan Odhwani. These ambassadors represent and promote the CSEG in their localities and we are working towards having a representative in every Canadian university that offers an Earth Science program. Currently our ambassadors are Bernt Milkereit in Toronto, Chris Jauer in Dartmouth, Constantine Tsingas in London, David Timko in Dubai, Doug Schmitt in Edmonton, Erick Adam in

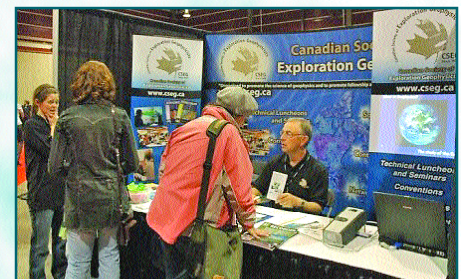
Sainte-Foy, George Spence in Victoria, Lavdosh Bubeqi in Tripoli and Mike Enachescu in St John's. We would like to encourage any members living near these areas to contact their local ambassador and tell us how we can work together to promote geophysics and the CSEG.

The Junior Geophysicists Forum and Honorary Address are both assisted and attended by Outreach. We are cooperating in joint ventures with fellow societies such as the CSPG, CAGC, APEGGA and CGEN and we were pleased to offer financial and material support to the Canmore Geoscience Centre and Museum and the Western Inter-University Geoscience Conference.

We are planning great things for 2007. We will continue to build the schools and ambassadors programs, nurture our relationships with other organizations and increase our presence and representation among university students. We welcome any interested, enthusiastic and committed volunteers to join us.

The following people contributed to the success of the Outreach Committee in 2006: Alex Wright, Amanda Nicholls, Anne Halladay, Annette Milbradt, Bob Mummery, Bob Parker, Brian Russell, Carmen Swalwell, Doug Uffen, Hassan Odhwani, Judy Mahaffy, Les Corper, Mark Lane, Paul Thacker, Penny Colton, Perry Kotkas, our Executive representative Jon Downton, Jim Racette and Sheryl Meggeson. We greatly appreciate those companies allow their employees to participate in our outreach endeavours. Thanks to all of you—it was a blast.

HELEN ISAAC
Chair



The CSEG Foundation

As I reported in the inaugural report of the CSEG Foundation in 2006, the Foundation was established with a mandate

- (a) to establish programs supporting education in geophysics and the earth sciences;
- (b) to support post secondary education in geophysics and the earth sciences, including the establishment and continuation of the Canadian Society of Exploration Geophysicists scholarship programs;
- (c) to support continuing education of geophysicists through the development of courses relating to developing technology, publications relating to the geosciences and by establishing education programs;
- (d) to support scientific activities by providing funding of academic research programs;
- (e) to develop and support non-profit programs designed to further the development of geophysical techniques aimed at improvements in geophysical applications in the earth sciences;
- (f) to support the preservation of the history of geophysical exploration;

- (g) and to support the business application of geophysics as defined in the mandate of the Canadian Society of Exploration Geophysicists.

The chairman of the committee is Brian Russell and committee members include Bill Goodway, Erin Lamb-Fauquier, Jennifer Leslie and Neil Rutherford. The CSEG Foundation includes the CSEG Scholarship committee and their activity is described in a separate report.

The highlight for our committee during 2006 was in receiving governmental approval of our charitable status, allowing us to now commence our fund-raising and charitable donation work. I am pleased to announce that we recently received a generous donation of USD\$50,000 from Jesse Marion, President of Marion Investments Inc. Another donation of USD\$25,000 spread over 5 years has also been received.

Our goal for 2007 is to put in place a plan to help build the corpus of our Foundation, which in turn give us the long term ability to fund a wide range of projects as set out in the mandate given above.

BRIAN RUSSELL
Chair

Website

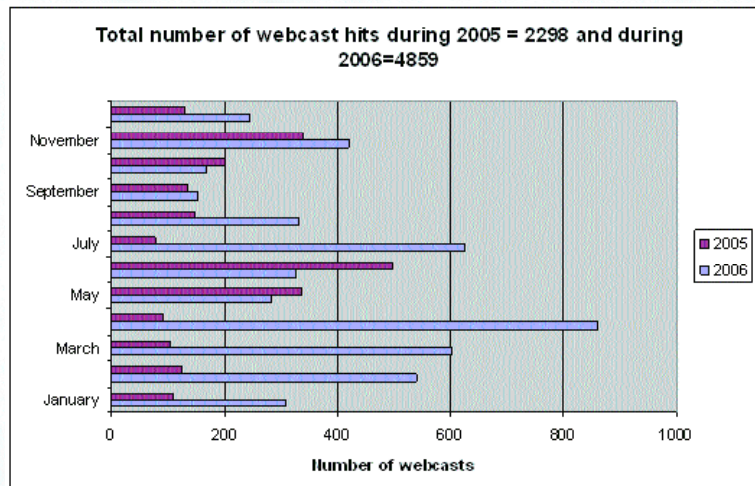
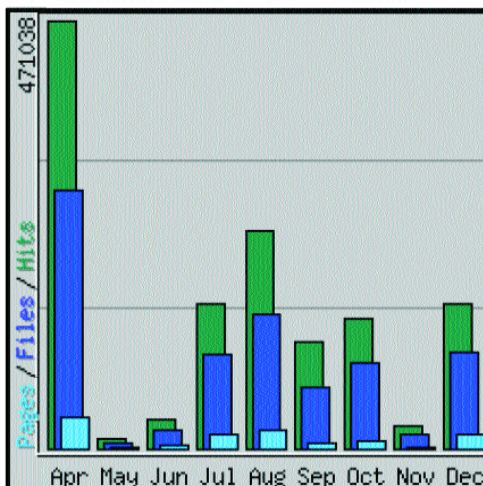
The CSEG website operates as a current and useful information provider to the members. Based on the access statistics for the website (given below), the site is being widely accessed both locally by our members as well as internationally. Various features are added from time to time that help members access material as well as make browsing within the site more convenient.

The online access for the webcasts continue to be popular and based on the statistics for their number of visits (given below), the number of hits has more than doubled, going from 2298 to 4859.

A useful feature introduced during 2006 is the online elections for the CSEG Executive. It is hoped that an online membership renewal facility will also be added soon.

The members are encouraged to provide us with feedback so that we will continue in our efforts to make it a vibrant website.

SATINDER CHOPRA
Chair, Website Committee



Continuing Education

Committee make-up

Ron Hinds (chair), Bill Nickerson, Rod Garland, Bob Parker, Rob Vestrum, Jon Downton, Jessie Arthur, Mauricio Sacchi and John Fernando

DoodleTrain organizing subcommittee 2006 report

Cheran Mangat, David Feuchtwanger, Marzena Feuchtwanger, Yajaira Herrera, Amber Kelter, Jason McCrank, John Fernando, Mark Noble, Melissa Burdan, Mike Burianyk, Walt Posadowski, Bob Parker, Pavlo Cholach and Bill Nickerson (chair)

The DoodleTrain continuing education week was held from November 6 to 10. Twenty three short courses were offered with 439 registrants setting a new attendance record. Thirteen student volunteers received free courses for helping out. Cash donations from fourteen sponsors helped defray costs for course materials and venue rentals and classrooms provided by eighteen companies helped keep costs down for everyone. Next year's DoodleTrain will see the keynote lecture combined with the regular CSEG luncheon schedule and a new lineup of 20-plus courses during the week of November 5-9, 2007.

Bill Nickerson (DoodleTrain chair)

CSEG Distinguished Lecturer (DL) 2006 report

Distinguished lecturer subcommittee: Mauricio Sacchi, Jon Downton, Ed. Krebs, Ron Hinds, Mike Burianyk, Bill Nickerson, Mauricio Sacchi (chair)

The objective of the DL program is to promote the science and profession of exploration geophysics to a national audience and to honour a member for excellence in his or her field. The CSEG will do this by inviting a distinguished geophysicist to speak to a broad audience on a national tour as a technical expert and ambassador for the society.

The committee invited Dr. Michael Enachescu to do the first speaking tour for 2005/2006. Dr. Enachescu completed his tour with talks at mainly university venues across Canada.

Dr. Brian Russell was invited to be the second CSEG DL for the 2006/2007 session. At the time of this report, Brian has presented his lecture at Queen's University, McGill University, and the universities of Ottawa and Toronto as well as at a weekly meeting of the

CSEG in Calgary. The talk in Calgary was video recorded and will be available on the CSEG website. He has plans to give the lecture in the upcoming months at UBC, Memorial University, Dalhousie University, and the Universities of Alberta, New Brunswick, Saskatchewan, Western Ontario, and Victoria. Other universities have also requested the program and will be added to the agenda as time permits.

The DL has been a great success thanks to the efforts of Dr. Sacchi, Dr. Enachescu, Dr. Russell, and Sheryl Meggeson. It is certain to become an annual event of lasting value to the society.

Mauricio Sacchi (DL Chair)

For the first time, we would like to wind-up the CDL Journal by a presentation by the first CDL:

Journal of CSEG Distinguished Lecturer

By Dr. Michael Enachescu, P. Geoph. with help from John Hogg, P.Geol.

I will start this journal by thanking the DL committee chaired by Dr. Mauricio Sacchi of University of Alberta and the CSEG Executive for selecting me as the first-ever Canadian SEG Distinguished Lecturer. This is a real honour and I promise to do my best to represent the high level of geophysical savoir and professional fervour of the CSEG membership! My selection also proves that in spite of moving in the fall of 2003 from Calgary to St John's, Newfoundland and Labrador and from Industry to Memorial University, I was not forgotten by my colleagues, which feels good. I also understand that one of my duties as lecturer is to prove that our society has a diverse membership and is represented across the country. During my tour I will try hard to sign new members from other-than-Alberta locations, to particularly attract young geophysics students to join our fold and, whenever possible, to convert a few geologists to our better profession!

The first leg of the 2006 CSEG Distinguished Lecturer Tour targeted the Atlantic Provinces and took place during October/November 2005. The tour started with a presentation delivered at the 2005 Newfoundland Ocean Industries Association (NOIA) fall seminar held on October 26 in St John's, Newfoundland. The main topics of the workshop were related to 1) possible development of the Hebron oil field and 2) potential production from several large gas

reservoirs such as White Rose, Hibernia and Bjarni complex. My presentation was entitled "Energy-In-Waiting: Discovered Reserves and Exploration Potential for Gas in Newfoundland & Labrador" (available from <http://www.noianet.com/fallseminar2005/>). I described the history and location of the approximately 16 TCF of gas resource discovered during four decades of exploration offshore East Coast of Canada, emphasizing the future potential of the Grand Banks, Orphan Basin and Labrador Sea. There was much debate on ways to monetize this gas, but in my opinion we are at least 7-8 years away from gas development and transportation of any energy-in-waiting from offshore Newfoundland in Labrador. Evidently, continuous high commodity prices and new sizeable discoveries may bring the stranded gas to shore sooner. The seminar was sold out and I estimate that over 300 engineers, business professionals, petroleum and service company managers, geoscience professionals and students were in the audience at this workshop including such CSEG stalwarts as Doug Bogstie of WesternGeco and Paul Einarsson of GSI. Paul also made a seminar presentation entitled "Seismic Activity in Labrador: Why?" while Doug made the local papers discussing Western-Geco's three-boat 2005 season offshore Newfoundland.

During early November, I went on the Nova Scotia university circuit together with John Hogg of Burlington Resources, who is this year's Special Lecturer, CSPG Outreach Program for Atlantic Canada. We have joined forces to present a two hour talk entitled "Overview of Petroleum Exploration and Development Geoscience: Future Opportunities for Earth Science Graduates in Canada". Nova Scotia has the higher number of universities per resident of any Canadian province: 11 universities and a province-wide college with 13 campuses. We were only scheduled to lecture at 4 Nova Scotia universities, and because of time constraints, to do it in two and a half days! We agreed that what is most needed for the province's geoscience students is an overview of both offshore and Western Canada industry activity, including seismic and drilling, and also a presentation on what it takes to make a good petroleum geophysicist or geologist in the context of increased demand for oil and gas and depleting reserves from conventional reservoirs on land.

After flying to Halifax, John from Calgary, and me from St John's, we met at the airport, drove to town and had to labor on the talk, first in

Continuing Education (con't)

the hotel and then at the Granite Brewery. Halifax's Granite Brewery is a well known watering hole frequented by the local geoscience professionals, where they serve crudes with name such as Peculiar (specific gravity 1056°) and Keefe's Irish Stout (1052°). That evening we also exchanged some recollections from the early days of frontier exploration and had some heated debate on "what-went-wrong?" concerning the last round of Nova Scotia drilling with our CSPG member and friend Dave Brown from Canada-Nova Scotia Petroleum Board.

Next morning we had a 2 hour-drive on a splendid, sunny and warm fall day to Antigonish. While John was driving (always within or close to speed limit), I continued to work on my laptop, fine tuning our presentation and agonizingly dropping quite a few slides to cut down the size of our Power Point from the 300 slides that we prepared to about 190! Our lecture was constructed to contain sections on Reflection Seismic Fundamentals, Land and Marine Seismic, Data Interpretation, Exploration and Development Geoscience in Western and Atlantic Canada, Conventional and Non-Conventional Plays and Drilling, Energy Needs of the 21st Century and Future Opportunities for Geoscience Graduates. This Geoscience "tour de force" was planned to last for 2 hours, have us alternate as presenters and even theatrically play the roles of geophysicist and geologist colleagues debating different concepts and teasing each other on the solidity of our arguments. We chose this format to be able to keep the audience focused and in the same time entertained during what was a long lecture fully loaded with novel geoscience notions, complex information and our best illustrations. To end our talk, we had a long list of acknowledgements as some of the slides were selected from past co-authored meeting presentations or given to us by CSEG or CSPG members of the Calgary and St John's geoscience communities.

We first experimented with our presentation format at St Francis Xavier University, where we lectured to the students and professors of the Earth Science Department. Antigonish is one of Canada's best known university towns, located in the northwestern corner of Nova Scotia in the Highland country. Antigonish is a Mi'kmaq name that according to the town website may mean either "meeting place of five forked rivers" or "the place where the branches are torn off by bears gathering bechnuts"! The University was founded in

1853, and geology/earth sciences have been taught there since 1899. We were hosted by Dr. Michael Melchin, Department Chair and Dr. Brendan Murphy, Professor of Structural Geology and Tectonics in the Department of Earth Sciences. The Department has 8 faculty members, all conducting research, 4 laboratory supervisors, 16 graduate students, and 2 post-docs. There are 30 undergraduates enrolled and every year they graduate an average of 12 students per year with a B Sc (Earth Sciences). Our presentation went well considering that we had no time to rehearse, and we had quite a few questions from students very interested about possibilities of employment in the oil patch. From our conversations during an early coffee break and later pizza lunch, we understood that many of their graduates have found employment in the oil patch, but some only after a contorted career start, as oil or service companies usually do not recruit there, and contacts with professional societies are rare (see attached letter).

A similar story was told to us by members of Acadia's Department of Geology that we visited in the afternoon of the same day. On the way to Wolfville, we were impressed by the stunning colors of the fall in Nova Scotia's forests, fields and orchards and by the muddy texture of the numerous tidal flats. We have made the obligatory stop at the Gypsum quarry near the city of Windsor and took samples and pictures of these Carboniferous Windsor Group beds. It is interesting to note that Nova Scotia produces 25% of the world's gypsum needs, covers 75% of USA demand and has the largest gypsum mine in the world at Milford. Gypsum is an inert substance used mostly for wallboards in homes.

Our hosts from the Department of Geology at Acadia University were Dr. Robert Raeside, Head and Dr. Sandra Barr, Professor and past-president of the Geological Association of Canada. Sandra just returned from a student field trip before the start of our lecture as Acadia is situated in an area of varied geology with good exposures nearby. The department has 10 full- or part-time academic and technical staff and graduates about 12-15 B.Sc. and M.Sc. students a year. From their excellent website we learned that 15% of their graduates went to work in Alberta and 15% in Atlantic Canada. The talk at the University Club was attended by about 25 students and a few professors. As it was late afternoon, we interrupted our presentation for a beer and pizza break. Discussions again revealed the high interest of students for jobs in the

petroleum sector and also their sense of not receiving more attention from Calgary-based companies and professional societies.

In the evening, we had a fish and scallops dinner in the historic Blomidon Inn, which we warmly recommend to all colleagues working or having children attending universities in Nova Scotia. We went for a brief walk to the town center on a windy evening; regrettably by the time we went to the local micro-brewery (very trendy with the Acadia crowds), they were sold out of their most popular brands. We had a half pint of some light amber and retreated early to bed in our rooms with late 19th century ambiance and high-speed internet.

Located on a hill with its various buildings facing the Bay of Fundy, Acadia University has one of the most picturesque locations of all Canadian Universities. After we took a few classic "fall in Nova Scotia" pictures, early in the morning of 2nd November we drove back to Halifax. John badly needed a coffee so he stopped in Windsor, a town advertised as the Birthplace of Hockey (around 1800) and Howard Dill's Giant Pumpkins Festival (still missing Ms. Martha Stewart). While John had his morning Tim's brew in the car, I saved myself for a Starbucks' in Halifax. The strong coffee was needed in Halifax as we had quite a reception at both Dalhousie and Saint Mary's universities, with many discussions with the students and academic staff.

Our host at Dalhousie was Dr. Grant Wach, Professor and Director of the Energy at Dalhousie, who kindly received us in the best "penthouse" geology hall we ever seen (a remodeled hot-house), with a fantastic view of the Atlantic. Dalhousie was founded in 1818 and has become an important center for the study of Atlantic Offshore geosciences with over 20 faculty/staff in Earth Sciences. The department is closely aligned with the world-renowned Oceanography Department.

The presentation on the geoscience student opportunities in Calgary's oil patch got quite a reaction, with John receiving immediate requests for information on job opportunities. Not to be outmaneuvered, I made a strong pitch for CSEG, geophysics jobs in Calgary and St John's, and also for graduate studies at MUN (could not resist)! Expectedly, the morning session at Dalhousie ended with the delivery of pizza to fuel students and lecturers.

At Dalhousie, I also visited the Analogue Modeling Laboratory, a new facility headed by

Continuing Education (con't)

Dr. Juergen Adam. I was impressed with the similarity between his colorful layered models, including silicone (!) diapirs, and the style of seismic sections interpreted across the Nova Scotia and Grand Banks margins.

Both Dalhousie and Saint Mary's are known for their strong Earth Sciences departments and the quality of their graduates. In the past few years a strong emphasis has been placed on research and graduate thesis work related to Nova Scotia offshore and petroleum basin topics.

Early in the afternoon we drove to Saint Mary's University, in existence for more than 2 centuries and the place of an equally celebrated Geology Department. Here we had a full room-audience (about 80 people) with students and professors from both universities as well as federal and provincial government geoscience professionals including CSEG member Chris Jauer and from GSC and several CSPG members. Dr. Andrew MacRae from St Mary's, an active researcher in the sedimentary basins onshore and offshore Nova Scotia, was our host and introduced us to the audience. This was the best attended lecture and the Haligonian students were the most inquisitive regarding future geoscience opportunities in the petroleum industry and the future of exploration offshore Nova Scotia.

The final leg of the trip, John went solo to the University of New Brunswick, in Fredericton, due to a teaching commitment I had at Memorial. Dr. David Keighley and Dr. Karl Butler were wonderful hosts and John and David went to Brewbakers, a Fredericton institution, for dinner and discussed the concerns of the industry with the baby boomer bubble. Fredericton, located on the Saint John River, goes back to 1700s and the University is more than 200 years old. The Geology Department has 10 permanent professors, more than 14 seasonal, adjunct, research associates and emeritus staff and approximately 30 graduate students. The department lists an original undergraduate program in Geol-Physics (!) and has graduate studies in Applied Geophysics. The undergraduates and graduate students warmly welcomed John, and he worked his way through the entire two hour presentation, including most of the geophysical portion (the part without math or hard physical concepts). No doubt he is a geologist and manager that can be trusted with geophysical statements as he spent some 25 years working in Frontier and Foothills departments. Well done John! To repay the favor, I promised to give our

common lecture, early in 2006, to the students at Memorial, saving him an extra trip to the East on Air Canada's hospitality class.

John and I believe that our presentations were very well received by the undergraduate and graduate students, attending academics and petroleum professionals across the provinces of Newfoundland and Labrador, Nova Scotia and New Brunswick (see comments below). We tried to answer many questions regarding offshore and onshore exploration, geoscience professions and the exploration societies that sponsored our lecture tour. Obviously, I presented petroleum geophysics as an exciting profession that required multidisciplinary knowledge, continuous learning, passion and imagination and demonstrated that our profession has a great future in Canada and internationally; I distributed CSEG flyers and membership applications and provided the departments with the "Depth Imaging of Foothills Seismic Data" 50th Anniversary commemorative volume (edited by Lines et al., 2000) provided to me by our Society.

Lucky, my Toshiba Satellite laptop (courtesy of Pan-Atlantic Petroleum Systems Consortium at Memorial) performed without a glitch, in spite of running a Power Point presentation of 250 Megs (including some wicked animations) and being handled in the plane, car and various pubs and violently dropped a few time during the rushed travel around the provinces. Irregardless of the packed schedule and intensive work, we felt great connecting with different geoscience departments, conversing with enthusiastic students and advising them to join our societies. We found the students to be just as diverse and as keen as we were when young. They need guidance and more information on employment in the petroleum business as geologists and geophysicists. I believe that more geophysics academics are needed to teach at the various universities we visited and more geophysics students need to be trained in the Atlantic Provinces. During the tour, we also reconnected with some older colleagues, made new friends and learned a lot about the places we saw and the programs at the diverse universities we visited. An important recommendation we made is to insure that all geoscience departments will post links to both CSEG and CSPG on their websites. We promised to return with more lectures and to keep in touch with the students that showed most interest in joining the societies and the petroleum industry. We returned to our busy work-schedules with ideas on improving our

lecture, with plans to replicate the tour in the spring on the West Coast and (after treating students to lunch/diner for three straight days), with the decision to renounce pizza for the remaining of this year!

Here are several extracts from e-mail letters received by us after the tour.

"John, Michael:

Thanks so much for your enthusiastic and inspiring presentation yesterday. My structural students volunteered that it was very informative and helpful. I think several of them will be looking for work in Calgary this summer, and this year 4 out of that 10 are exceptional (I can't remember such a year for a while). I know both of you are extremely busy, so I (and the department) appreciate that you included St FX as a stop in your tour. We are also grateful to the CSPG and CSEG for sponsoring the trip. Too often, organizations whose name includes the word "Canada" or "Canadian" forget that rural communities also live in Canada! Thanks to you and to the CSPG and the CSEG for making sure your organization lives up to its name".

Brendan Murphy, Professor, Dept. of Earth Sciences, St. Francis Xavier University, Antigonish, Nova Scotia, Canada, B2G 2W5

"The breadth of the lecture, from the WCSB through offshore Atlantic Canada was impressive and the rapt attention from the students demonstrated their keen interest in the subject material. I would like to acknowledge the CSPG and CSEG for their kind support of the lecture series and would encourage the sister societies to continue their sponsorship. Thanks!"

Dr. Grant D. Wach, Professor of Petroleum Geoscience Director- Energy at Dalhousie, Department of Earth Sciences Dalhousie University, Halifax, Nova Scotia, B3H 4J1

"... it is fair to say that student reaction was very positive from both undergraduate and graduate students. Several of them commented to me afterwards that you and John did a great talk, and I think it speaks to their interest that most of them stayed for the entire ~2 hours that you two were speaking — their attentiveness matched your stamina."

Andrew MacRae, Assistant Professor, Geology Department, Saint Mary's University, Halifax, NS, B3H 3C3

Scholarship

In 2006 the CSEG Scholarship Committee solicited and received sufficient funding from 25 Calgary oil companies, service companies and individuals to grant scholarships in the amount of \$2000 to 24 outstanding students of geophysics from universities across Canada. Scholarship winners were notified and awards forwarded to their respective universities in early September. A continuing challenge for the scholarship program has been the consolidation of companies in the Calgary oil business, which has diminished the pool of potential donors. However, the continuing generosity of repeat donors as well as funding from new companies has ensured that the scholarship program remains viable. Scholarship funding is one method for a profession which laments a lack of new talent to encourage high quality individuals to remain dedicated to geophysics as a career path.

2006 CSEG Scholarship Committee

Erin Lamb-Fauquier, EnCana Corporation
Chairman

Rachel Newrick, Nexen Inc.
Senior Trustee

Warren Pearson, Stylus Inc.
Junior Trustee

2006 CSEG Scholarship Winners

Anastasia VanderMost
University of Calgary

Catherine Alexandrakis
University of Western Ontario

Chris Bird
University of Saskatchewan

Elissa McColl
University of Saskatchewan

Elizabeth L'Heureux
University of Toronto

Grant Lethbridge
Memorial University of Newfoundland

Jane Simmons
University of New Brunswick

Janette Cullen
Dalhousie University

Jason McCrank
University of Calgary

Jeff Durand
University of Alberta

Jeffrey Tan
University of Calgary

Joaquin Aristimuno
Carleton University

Junwei Huang
University of Toronto

Kelly Classen
University of Calgary

Langqiu Sun
University of Toronto

Marc Boulet
University of Calgary

Michelle Martin
Memorial University of Newfoundland

Mostafa Naghizadeh
University of Alberta

Paige Snelling
Queen's University

Renee Ferguson
Memorial University of Newfoundland

Iqbal Choong
University of Alberta

Sandor Sule
University of Saskatchewan

Sergey Samsonov
University of Western Ontario

Yongwang Ma
University of Calgary

2006 Scholarship Donors

Apoterra Seismic Processing	\$2000
Arcis	\$2000
Boyd PetroSearch	\$500
Canadian Natural Resources	\$2000
CGG	\$1000

Devon Canada	\$2000
EOG Resources Canada	\$2000
Geo-X Systems	\$2000
GEDCO	\$1000
GSI Precision	\$2000
Hampson-Russell Software	\$2000
John Peirce	\$1000
Kelman Technologies	\$2000
Larry Lines	\$500
Matrix Geoservices	\$2000
Nexen	\$4000
Northrock Resources	\$500
Oyo Geospace Canada	\$1000
Petro Canada	\$2000
Sensor Geophysical	\$2000
Sigma Exploration	\$1000
Suncor Energy Foundation	\$2000
Talisman Energy	\$2000
Zokero	\$2000
Total	40,500.00

Contributions from an anonymous donor, the Chris Elms, Ted Popilchak and Bob Won Memorial Trust Funds administered by the CSEG Scholarship Committee brought the total to \$48,000.

CSEG / CSPG / CWLS National Joint Convention

The convention was held in Calgary from May 15th to May 18th. This was the first joint convention of the Canadian Society of Petroleum Geologists and the Canadian Society of Exploration Geophysicists held in three years. It is hoped that in the future the CSPG and CSEG will contribute to a joint convention every year, with the Canadian Well Logging Society (CWLS) joining every second year.

As in 2005, the convention was held in the Round Up Centre at the Calgary Stampede grounds. The venue lent itself well because of its proximity to the downtown core. This year we expanded the Exhibit space by utilizing Halls A and B. Hall C was used for the luncheon, while Hall D held 2 additional lecture theatres.

In the past, joint conventions ran for five full days, but this year was condensed into four days. The exhibit hall was open on Monday and Tuesday only. Technical talks ran for 2.5 days (Monday until Wednesday at noon). On Wednesday afternoon the CSEG ran a special session featuring geophysical industry experts.

The CSPG and CWLS moved up to the AEUB Core Lab on Wednesday afternoon. The Core Lab was open to all on Thursday, and featured geologic cores from all over Alberta. The primary feature for the geophysicist, geologists and petrophysicists were the oil-bearing cores.

The Ice Breaker returned to the exhibit floor in 2006, along with a mini breaker on Tuesday afternoon. A sponsored BBQ was featured at the Core labs at noon on both the Wednesday and Thursday, and the Core Meltdown wrap up party was the highlight of the afternoon on Thursday.

Since this was a joint convention we drew a larger than expected profit. This was in a large part due to a substantial increase in delegates, sponsors and exhibitors. It should be noted that there were roughly 800 more delegates in attendance than had been projected.

We would like to thank all those who submitted papers and posters, making the technical sessions a great success. We especially wish to thank our corporate sponsors for their continued support.

I would also like to thank the volunteers and committee chairs for their untiring work.

Committee Chairs

General Co-Chair (CSPG)	Mark Cooper
General Co-Chair (CWLS)	Roy Benteau
Finance	Darren Aldridge
Technical Program (CSPG)	Kirk Osadetz
Technical Program (CSEG)	Satinder Chopra
Sponsorship	Mike Seifert
Exhibits	Matt Earle
Publications and Communications	Corey Hooge
Marketing and Publicity	Jeanette Watson
Special Events	Andrea Reiserer

I would also like to thank our staff:

Convention Manager	Lori Humphrey-Clements
Asst. to Conventions	Sarah Barton
CSPG Corporate Relations Manager	Kim MacLean

We look forward to another joint convention in 2007, and return to the Round Up Centre.

KEVIN MARSH
General Co-Chair (CSEG)



RECORDER

During 2006, forty-four technical articles and seventeen semi-technical or articles of a general nature were published in the ten issues of the RECORDER. Seven of the ten issues focused on specific themes given below.

Canadian companies overseas

Business practices in geophysics

Multicomponent seismology

Velocity analysis/modeling

Future directions in exploration technology

Interaction of geophysicists and engineers

Role of geophysicists in reservoir estimates and drilling

Fourteen interviews were published in the ten issues of the RECORDER, 5 issues carried the Memoir column and 2 issues had the Expert Answers column.

The feedback from the members has been encouraging and shows that the interviews are the most popular column. The following fourteen eminent geoscientists were interviewed during 2005.



In addition to the ten regular issues of the RECORDER, we published a special issue comprising 20 excellent articles representing outstanding technical work done by experts over the last few years in different areas of geophysics. Based on the members' feedback we understand that the special issue was well received.

All the technical articles published in the RECORDER are also included in the SEG's Digital Cumulative Index (DCI).

Within the RECORDER Committee, I continue in my role as the Production Editor, Muyi Kola-Ojo (Arcis Corporation) joined as Assistant Production Editor, Jason Noble (Edge Technologies) continues to volunteer his able services as

Technical Editor, and Helen Isaac (U of Calgary), as Assistant Technical Editor helped with the editorial work. Jeff Gautreau (GEDCO) continues in his role as advertising manager, Carmen Swalwell as a Regular Contributor for Tracing the Industry column, and Gina Schiltz (IHS) as Regular Contributor for the Grapevine column. Jim Racette and Sheryl Meggeson are always available for liaison and help, apart from their organization of advertising material and related things.

The PRINTMAN, Calgary continues to provide production and printing services for the RECORDER, which have been found to be satisfactory in terms of quality and efficiency.

The RECORDER production expenses during 2006 have

broken even with the advertising revenue (in fact we have made a marginal profit of \$5K). This has been in accordance with the directive of the CSEG Executive – that each arm of the CSEG should function as a cost-effective/profit making entity.

All issues of the RECORDER published in 2006 are available on the CSEG website (www.cseg.ca), in addition to the archived back issues since December 98.

We have continued in our attempts to enhance the quality of the RECORDER and we hope the membership will continue to cooperate and help as they have done in the past.

SATINDER CHOPRA
Chair



Doodlespiel

The 34th annual CSEG Doodlespiel was held in Banff (no surprises there) January 27th, 28th and 29th and was the biggest Doodlespiel ever! (92 teams and approximately 50 social participants) The committee scrambled a bit to accommodate the extra teams but managed to fit everyone in on the ice available and all registered teams wound up on the draw sheets.

Congratulations to all the winners, and congratulations to all participants. This would not be the event it is without the players, ranging from once-a-year sprawlers through championship players. The Doodlespiel is truly an event that caters to everyone. We appreciate your participation.

Equally as important to this event are the generous and committed sponsors, and we thank you one and all. Please take the time to thank these sponsors during the event, and throughout the year.

As well as thanking the participants and sponsors, I would like to express my appreciation to the committee members and others who have been there for the event year after year.

Past Chairman – Marty Sommerville
(If you ever need to know ANYTHING about how to run an event like this, call Marty – Thanks Marty!)

Vice Chairman and Draw Master – Jim Ross (Now a member of the Australian National team!!)

Finance and Sponsorship – Gary Laskoski and Morgan Steeves

Special Events – Hotels – Allison Ewing, David Swagar and John Bertsch

Non-commissioned committee members:

Tom Kelly and Trent Olson – *Auctioneers* extraordinaire

Justin Gullickson – *Event Coordinator*

Andy Morris – We're not sure what his title is, but thanks Andy, again.

A HUGE thank-you to the management and staff of the Banff Curling Club.

It has been a great 5 years working with the committee, and I would like to thank you all for your sponsorship, participation, and commitment to a great event. Looking forward to 2007 (35th YEAR!!!!) and I know that Gary Laskoski (2007 Chairman) and the rest of the members will provide us with another great event.

DARREL JACKSON
2006 Chairman

2006 WINNERS

		Skip	Third	Second	Lead
A Side	1st	Randy Gill	Gayle Ritten	Wade Brillon	Garth Syhlonyk
	2nd	Mike Langlois	Dennis Langlois	Candace Bruins	Mark Falk
	3rd	Dale Johnson	Jim Brack	Dave Cryer	Bill Campbell
	4th	Brian Bertram	Darrell Bertram	Val Putzi	Van Greig
B Side	1st	Al Jamieson	Bob Scholte	Cal Miller	George Karch
	2nd	Kevin Stromquist	Justin Gullickson	Darrel Jackson	Peter Lazowski
	3rd	Lyle Cedargren	Blaine Gardner	Colleen Whelehan	Tannis McCartney
	4th	Brian Curts	Andrew Wiacek	Tony Cadrin	Harvey McDougal
C Side	1st	Kelly Jamison	Sterling Hanson	Bob Bachman	Gary Laskoski
	2nd	Ken Hedlin	Bill Bradley	Tooney Fink	Kris Eyolfson
	3rd	Dale Rasmuson	Larry Mathews	Gil Dawson	Tom Kelly
	4th	Chris Barton	Steve Fuller	Doug Stewart	Brad Rowsell
D Side	1st	Warren Murray	Marvin Lefebvre	Dan Dolinski	John Ropchan
	2nd	Leif Snethun	Brian Sondergaard	John Bertsch	Shirley Fleming
	3rd	Randy Strandberg	Cam Moore	Steve Hill	Darrel Bouvier
	4th	Mike Scott	Scott Dykes	Pete Scott	Steve Dewolfe
Holeplug	1st	John Graca	David Mathews	Paul Lepper	John Logel
	2nd	Colin Davis	Tim Hladik	Rob Phillips	Henry Magnin
	3rd	Tom Davis	Darrell Kramer	Rob Kendall	Emily Duncan
	4th	Donna Philips	Lorna Kostiuik	Karoline Beninger	Ryan Martin

Doodlebug Golf Tournament

Once again, it was another successful and fun filled year at the Doodlebug. The 54th Annual Doodlebug was held at the breath taking Jasper Park Lodge. The move back from Kananaskis to Jasper was due mainly to scheduling issues with the Kananaskis Golf Club and the positive feedback we had over the mid August dates in 2005.

To combat the issue of rising costs we managed to negotiate very positive rates for Golf, Food, Drink and Lodging with the Jasper Park Lodge for 2006 through to 2008. The tournament was once again very close to sold out with 15 full flights and one full flight in the hole plug. Our sponsorship committee did an outstanding job working with sponsors to ensure we had the dollars in place the make it a financial success and once again for the 3rd consecutive year your tournament is in the black and in good position to carry on financially in the years ahead.

I've always promoted the Doodlebug as a premiere social engagement with 1st class golfing on the side, and this year did not disappoint.

Our golf committee did an outstanding job working with the groups to ensure fair and even indexing of players and nothing showed this more than on the final day after 18 holes of stroke play in the Doodlebug flight there was a four way tie. What an amazing feeling as a gallery of about 30 or more people walked through 4 consecutive play off holes to finally declare Alan Starkoski Mr. Doodlebug.

The mixed and warm-up rounds where quite a success again this year, we moved the shotgun to Thursday afternoon to ensure people could make the drive to Jasper in the morning if they where not able to make it out on the Wednesday evening, we where oversubscribed and the Jasper Park Lodge did there best to get everyone out.

I would also like to acknowledge Dawn Buetow-James and Diane Sommerville for doing an outstanding job organizing and putting on the spousal tournament on the Friday afternoon.

The social side of the tournament did not disappoint as well, the Jasper Park Lodge once again did an outstanding job preparing and helping us organise the various event orders from the breakfasts at the golf course to the Friday and Saturday night dinners. This years theme night was "Biker Party" and the participation and costumes worn by the attendees where amazing. I encourage any one to go to www.doodlebug.ca to view some of the pictures from that evening.

Once again the doodlebug is not a charity driven committee however, I am happy to report that through the generous contributions of the attendees and sponsors we where able to raise in excess of \$9000.00 which was donated to the ALS Society in memory of one of the Doodlebugs long time attendees and supporters Ted Rosza.

To wrap up I would like to take the time to acknowledge and thank the following people and groups. First of all this tournament would not be possible with out the hard work and dedication of the committee who did a tremendous job stepping up to ensure the success of the 54th annual Doodlebug. I would also like to thank the companies who employe the committee members as I know it takes away time and resources from there day to day jobs. Next I would like to thank our sponsors for their continued support with out it this tournament and premiere social event could not exist. A very special thanks the Jasper Park Lodge for both accommodating this tournament once again on very short notice and for always putting there best foot forward in providing 1st class accommodations, golf and events. Last but certainly not least I would like to thank the attendees of the tournament who always have a lot of fun and make this event one of the highlights of my year.

The 55th annual Doodlebug will be held once again in Jasper from the 23rd to the 25th of August. Thank you Gary James for all your help last year as Vice Chairman and good luck in 2007.

TREVOR PACKARD
Chair



2006 Doodlebug Committee

<i>Chairman</i>	.....
<i>Vice Chair</i>	.....
<i>Past Chair</i>	.....
<i>Secretary/Treasurer</i>	.....
<i>Housing/Registration</i>	.....
<i>Prizes/Sponsorship</i>	.....
<i>Golf</i>	.....
<i>Entertainment</i>	.....
<i>Advisor</i>	.....
<i>Guest Tournament</i>	.....
<i>Ladies Convenor</i>	.....

Chief Geophysicist Forum

The Forum is comprised predominantly of Chief Geophysicists, Geophysical Managers or their equivalent within the oil and gas community. This standing committee is to act as a “think tank” for the geophysical discipline in the oil and gas industry regarding issues of ethical, technical or of a business related nature. This committee is expected to act on and make recommendations on a course of action to the CSEG Executive, the Society or the collective membership on subjects topical to the membership and industry. This group can also act as a “sounding board” or advisory group to the CSEG Executive.

Every three months we meet over breakfast at the Petroleum Club to discuss a variety of issues. We have enjoyed different professionals speak to

us on a variety of topics: offshore seismic data ownership, in and outs of transfer fees, our APEGGA relationship, NI51-101 requirements, Practice Standard for the use of Geophysical Data and we even had the opportunity to enjoy a few professors from the University of Calgary who re-ignited sparked our minds with their research and challenges they face on the education front.

Perhaps the most significant event and accomplishment of the group this year was a culmination of 4 years of work related to the use of geophysical data: in data rooms, seismic options, data sales, farmins or farmouts. Many times seismic data agreements go missing and with all the changes in the industry it was time to re-establish guidelines related to the do’s and don’ts of geophysical data. The

Practice Standard for the use of Geophysical Data was adopted by the CSEG and can be found on their website under the Industry tab. Currently it is before an APEGGA subcommittee for review and potential adoption.

I have appreciated serving this group of dedicated geophysicist and have now passed the baton on to Lorne Smith of Petro-Canada (Chair) and Darren Kondrat of Connacher Oil & Gas (Secretary). Cec Keeping continues to provide valuable mentorship as one of the founding fathers of the group almost 7 years ago.

STEPHEN MARSTON
CGF Chair 2006



AUDITOR'S REPORT

To the Members of Canadian Society of Exploration Geophysicists

I have audited the statement of financial position of the Canadian Society of Exploration Geophysicists as at December 31, 2006 and the statements of operations and changes in fund balances and cash flow for the year then ended. These financial statements are the responsibility of the Society's management. My responsibility is to express an opinion on these financial statements based on my audit.

Except as explained in the following paragraph, I conducted my audit in accordance with Canadian generally accepted auditing standards. Those standards require that I plan and perform an audit to obtain reasonable assurance whether the financial statements are free of material misstatement. An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall financial statement presentation.

In common with many not-for profit organizations, the Society derives revenue from membership dues, sponsorships, advertising and projects, the completeness of which is not susceptible to satisfactory audit verification. Accordingly, our verification of membership dues, sponsorships, advertising and projects was limited to the amounts recorded in the records of the Society and we were not able to determine whether any adjustments might be necessary to revenues, excess of revenue over expenditures, current assets and net assets.

In my opinion, except for the effects of adjustments, if any, which we might have determined to be necessary had we been able to satisfy ourselves concerning the completeness of the revenues referred to in the preceding paragraph, these financial statements present fairly, in all material respects the financial position of the Society as at December 31, 2006 and the results of its operations and changes in its cash flows for the year then ended in accordance with Canadian generally accepted accounting principles.

The previous year's financial statements were audited by another accountant and are provided for comparative purposes only.

Calgary, Alberta
February 14, 2007

A handwritten signature in black ink that reads "Murray Hunter".

CHARTERED ACCOUNTANT

**Canadian Society Of Exploration Geophysicists
Statement of Financial Position
Year Ended December 31, 2006**

	2006			2005			Total
	Operating Fund	Project Fund	Convention Fund	Operating Fund	Project Fund	Convention Fund	
Assets							
Current Assets							
Cash and term deposits	\$ 1,296,304	\$ 415	\$ 45,000	\$ 1,343,719		\$ 45,000	\$ 1,388,719
Accounts and advances receivable	30,305	-	-	30,305		-	30,305
Prepaid expenses	21,245	-	30,000	51,245		30,000	81,245
	<u>1,349,854</u>	<u>415</u>	<u>75,000</u>	<u>1,425,269</u>		<u>75,000</u>	<u>1,500,269</u>
Furniture and fixtures (note 4)	173,864	8,304	-	182,168		-	182,168
	<u>\$ 1,463,718</u>	<u>\$ 8,719</u>	<u>\$ 75,000</u>	<u>\$ 1,547,437</u>		<u>\$ 75,000</u>	<u>\$ 1,622,437</u>
Liabilities							
Current Liabilities							
Accounts payable	\$ 84,065	-	-	\$ 84,065		-	\$ 84,065
Deferred revenue	17,897	-	-	17,897		-	17,897
	<u>101,962</u>	<u>-</u>	<u>-</u>	<u>101,962</u>		<u>-</u>	<u>101,962</u>
Fund Balances							
Invested in capital assets	113,884	8,304	-	122,188		-	122,188
Internally restricted (note 3)	300,000	415	75,000	375,415		75,000	450,415
Unrestricted	827,882	-	-	947,892		-	947,892
	<u>1,241,766</u>	<u>8,719</u>	<u>75,000</u>	<u>1,445,475</u>		<u>75,000</u>	<u>1,520,475</u>
Commitments (note 5)	\$ 1,463,718	\$ 8,719	\$ 75,000	\$ 1,547,437		\$ 75,000	\$ 1,622,437



APPROVED BY THE BOARD:

_____ DIRECTOR

_____ DIRECTOR

See notes to financial statements

**Canadian Society Of Exploration Geophysicists
Statement of Operations and Changes in Fund Balances
Year Ended December 31, 2006**

	2006			2005			
	Operating Fund (Schedule 1)	Project Fund (Schedule 2)	Convention Fund	Operating Fund (Schedule 1)	Project Fund (Schedule 2)	Convention Fund	Total
REVENUE	\$ 485,240	\$ 379,649	\$ 386,595	\$ 423,846	\$ 289,877	\$ 616,718	\$ 1,334,441
EXPENSE							
Program costs	355,574	267,764	-	256,527	245,485	438,252	940,274
Administrative	312,643	-	-	267,826	-	-	267,826
	<u>688,217</u>	<u>267,764</u>	<u>-</u>	<u>524,353</u>	<u>245,485</u>	<u>438,252</u>	<u>1,208,100</u>
EXCESS (DEFICIENCY) OF REVENUE OVER EXPENSES	(182,977)	111,885	386,595	(100,507)	54,382	172,466	126,341
FUND BALANCES, beginning of year	1,016,607	38,365	75,000	912,005	16,828	75,000	1,003,631
Interfund transfers	386,595	-	(386,595)	172,466	-	(172,466)	-
Interfund transfers (note 4)	141,531	(141,531)	-	32,643	(32,643)	-	-
FUND BALANCES, end of year	\$ 1,361,756	\$ 6,719	\$ 75,000	\$ 1,016,607	\$ 39,355	\$ 75,000	\$ 1,129,972

See notes to financial statements



Financial Statements

CANADIAN SOCIETY OF EXPLORATION GEOPHYSICISTS

Statement of Cash Flow

Year Ended December 31, 2006

	2006	2005
OPERATING ACTIVITIES		
Excess of revenues over expenses	\$ 298,289	\$ 126,341
Add item not affecting cash:		
Amortization	14,313	10,286
	<u>312,602</u>	<u>136,627</u>
Changes in non-cash working capital:		
(Increase) decrease in accounts receivable	(4,910)	2,028
Increase (decrease) in accounts payable	54,752	(4,563)
Increase in deferred income	17,897	-
(Increase) decrease in prepaid expenses	(13,675)	11,304
	<u>54,064</u>	<u>8,769</u>
Cash flow from operating activities	<u>366,666</u>	<u>145,396</u>
INVESTING ACTIVITY		
Purchase of capital assets	(98,976)	(1,795)
Cash flow used by investing activity	<u>(98,976)</u>	<u>(1,795)</u>
INCREASE IN CASH FLOW	267,690	143,601
Cash and term deposits - beginning of year	<u>1,058,815</u>	<u>915,214</u>
CASH - END OF YEAR	\$ 1,326,505	\$ 1,058,815
CASH CONSISTS OF:		
Cash	\$ 1,101,505	\$ 833,815
Term deposits	225,000	225,000
	<u>\$ 1,326,505</u>	<u>\$ 1,058,815</u>

See notes to financial statements



CANADIAN SOCIETY OF EXPLORATION GEOPHYSICISTS

Notes to Financial Statements

Year Ended December 31, 2006

1. NATURE AND OBJECT OF THE SOCIETY

The Canadian Society of Exploration Geophysicists (the Society) was established as a Society under The Societies Act of Alberta on December 20, 1949 as a not-for-profit organization.

The object of the Society is to promote the science of geophysics, especially as it applies to exploration, and to promote fellowship and cooperation among the persons interested in geophysical problems.

2. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Fund accounting

In 2001, the Society changed its financial statement disclosure to reflect the segregation of funds related to projects and conventions

Revenues and expenses related to core Society programs and administrative activities are reported in the Operating Fund.

Revenues and expenses related to special projects undertaken or supported by the Society from time to time are reported in the Project Fund.

Revenues and expenses related to the Society's annual convention are reported in the Convention Fund.

Revenue recognition

The Society follows the deferral method of accounting for contributions. Restricted contributions are recognized as revenue of the appropriate fund in the year in which the related expenses are incurred. Unrestricted contributions are recognized as revenue of the appropriate fund when received or receivable if the amount can be reasonably estimated and collection is reasonably assured.

Project revenues and expenses are recognized in the Project Fund during the period when the revenue is received and expenses are incurred.

Convention revenues and expenses are recognized in the Convention Fund during the period when the convention is held.

Capital assets

Capital assets are recorded in the Operating Fund at cost. Amortization is provided on straight-line basis over eight years, being the estimated useful life of the assets.

Leasehold improvements are amortized on a straight-line basis over the term of the lease, which is five years.

(continues)

Notes to Financial Statements

CANADIAN SOCIETY OF EXPLORATION GEOPHYSICISTS

Notes to Financial Statements

Year Ended December 31, 2006

2. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (continued)

Contributed services

The operations of Society are dependant on the services of many volunteers. Although these volunteered services form an integral part of the ongoing operations, the value of contributed services has not been recognized in these financial statements.

Social committees

Various social committees within the society have monies available to them in order to administer the specific activities for which the committees were established.

The financial activities of these committees have not been reported upon in these financial statements.

Income taxes

The Society is a not-for-profit organization and is exempt from income taxes pursuant to Section 149 of the Income Tax Act.

Measurement uncertainty

The preparation of financial statements in conformity with Canadian generally accepted accounting principles requires management to make estimates and assumptions that affect the reported amount of assets and liabilities, disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the period. Actual results could differ from these estimates.

3. INTERNALLY RESTRICTED FUND BALANCES AND INTERFUND TRANSFERS

The Society's Executive Committee has internally restricted resources amounting to \$375,415 (2005 - \$403,400). These internally restricted amounts are not available for other purposes without approval of the Executive Committee.

The internally restricted funds have been allocated as follows:

	<u>2006</u>	<u>2005</u>
Operating fund - reserve	\$ 300,000	\$ 300,000
Project fund	415	28,400
Convention fund	75,000	75,000
	<u>\$ 375,415</u>	<u>\$ 403,400</u>

The Society undertakes and/or supports special projects. Funds are transferred from the Operating Fund to the Project Fund upon approval of projects by the Project Review Committee and the Executive Committee. Excess funds are transferred back to the Operating fund upon completion of individual projects. During the year, \$28,400 (net) was transferred from the Project to the Operating Fund (2005 - \$32,643).

Convention funds in excess of the \$75,000 internal restriction will be transferred to the Operating Fund upon receipt. During the year, \$386,595 (net) (2005 - \$172,466) was transferred from the Convention Fund to the Operating Fund.

Notes to Financial Statements

CANADIAN SOCIETY OF EXPLORATION GEOPHYSICISTS

Notes to Financial Statements

Year Ended December 31, 2006

4. FURNITURE AND EQUIPMENT

	Cost	Accumulated amortization	2006 Net book value	2005 Net book value
Furniture and fixtures	\$ 90,474	\$ 54,703	\$ 35,771	\$ 37,505
Leasehold improvements	86,397	6,171	80,226	-
	\$ 176,871	\$ 60,874	\$ 115,997	\$ 37,505

5. FINANCIAL INSTRUMENTS

The Society's financial instruments that are included in the statement of financial position are comprised of cash and term deposits, accounts and advances receivable and accounts payable, all of which approximate fair value due to the immediate or short term maturity of these instruments. It is the opinion of management that the Society is not exposed to any material credit or interest rate risk on any of these financial instruments.

6. COMMITMENTS

The Society is committed to a five year lease commencing July 1, 2006. Annual payments are \$25,083.60 payable in equal monthly installments of \$ 2,090.30.

Contractual obligation repayment schedule:

2007	\$	25,084
2008		25,084
2009		25,084
2010		25,084
2011		12,442

Notes to Financial Statements

CANADIAN SOCIETY OF EXPLORATION GEOPHYSICISTS

Schedule of Operating Fund Revenue and Expenses

Schedule 1

Year Ended December 31, 2006

	2006	2005
REVENUE		
Memberships - individual	\$ 101,814	\$ 98,297
Membership - Corporate	2,050	14,791
Recorder Advertising	197,983	168,786
Luncheon Fees	125,879	109,092
Interest and other	39,541	32,880
Sponsorships	17,973	-
	<u>485,240</u>	<u>423,846</u>
EXPENSES		
Program costs		
Recorder	192,859	149,096
Luncheon	125,840	89,401
Recorder special edition	27,985	-
Annual meeting, elections and awards	8,890	18,030
	<u>355,574</u>	<u>256,527</u>
Administrative		
Salaries and wages	152,521	146,796
Amortization	12,652	8,625
Office occupancy	59,641	39,745
Office expenses	24,892	27,495
Committee and liaison costs	4,000	2,267
Executive projects and costs	7,475	8,235
Memberships	5,728	916
Interest and bank charges	2,142	-
Professional fees	19,665	22,685
Insurance	2,612	5,403
Website	5,815	659
Sponsorships	15,500	5,000
	<u>312,643</u>	<u>267,826</u>
	<u>668,217</u>	<u>524,353</u>
EXCESS OF EXPENDITURES OVER REVENUES	\$ (182,977)	\$ (100,507)

See notes to financial statements



Notes to Financial Statements

CANADIAN SOCIETY OF EXPLORATION GEOPHYSICISTS

Schedule of Project Fund Revenue and Expenses

Schedule 2

Year Ended December 31, 2006

	2006	2005
REVENUE		
Doodle Train	\$ 309,141	\$ 271,973
Chinese Symposium	-	10,627
Distinguished Lecturer and Honorary Address	20,805	15,860
Publication sales	506	1,417
Sponsorships	49,197	-
	<u>379,649</u>	<u>299,877</u>
EXPENSES		
Doodle Train	195,161	208,025
Web site development	-	5,351
AAPG Convention	-	1,059
Chinese Symposium	-	8,598
Distinguished Lecturer and Honorary Address	17,389	11,594
Outreach	53,553	9,207
Amortization	1,661	1,661
	<u>267,764</u>	<u>245,495</u>
EXCESS OF REVENUE OVER EXPENSES	\$ 111,885	\$ 54,382

See notes to financial statements

 **MURRAY HUNTER**
PROFESSIONAL CORPORATION
CHARTERED ACCOUNTANT

Past Presidents

1950 J.O. Galloway	1969 W. Blair	1988 R.M. Lundberg
1951 C.M. Moore, Jr.	1970 L.R. Baxendale	1989 A.J. Ferworn
1952 L.I. Brockway, N.J. Christie	1971 R.O. Lindseth	1990 N.E. Rutherford
1953 W.R. Ogilvie	1972 J.K. Morrison	1991 B.H. Russell
1954 R.J. Copeland	1973 W.N. Rabey	1992 R.J. Brown
1955 R.D. Holland	1974 J.H. Harding	1993 W.E. Davitt
1956 R.B. Ross	1975 J.R. Pullen	1994 G.G. Taylor
1957 G.J. Blundun	1976 W.D. Evans	1995 B.T. Korchinski
1958 F.A. Hale	1977 R.J. McCaffrey	1996 D. Hampson
1959 H.J. Kidder	1978 E.F. Mahaffy	1997 R. Stewart
1960 M.B. Dobrin	1979 L.R. Hatlelid	1998 N. Shaw
1961 P.I. Bediz	1980 P.D. O'Brien	1999 D. Pruden
1962 P.J. Savage	1981 A.E. Wren	2000 P. Kotkas
1963 R.H. Carlyle	1982 D.A. Carswell	2001 R. Pelletier
1964 C.J. Chapman	1983 V.A.A. Neilson	2002 D. Uffen
1965 R.A. Boulware	1984 J.R. Hume	2003 W. Goodway
1966 J. Hodgkinson	1985 L.C. Fichtner	2004 P. Cary
1967 E.A. Fulmer	1986 J.D. Boyd	2005 J. Stenhouse
1968 G.E. Longphee	1987 R.L. Comer	2006 Oliver Kuhn

Meritorious Service Awards

The Meritorious Service Award is given to members of the CSEG who have made a prominent and/or lengthy contribution to the Society and/or the industry as a whole. Current practice is to make a maximum of two of these awards each year.

- Harry McGrew
- Cecil A. Collins
- Dr. Milton B. Dobrin
- Alexander H. McKee
- Peter J. Savage
- Percy Smith
- Dr. Roy O. Lindseth
- John Hodgkinson
- Jack W. Bowden
- Hal W. Godwin
- J. Kenneth Morrison
- Westley N. Rabey
- Dr. Easton Wren (1977)
- Mary C. Colberg
- A. Vern Street
- Alan J. Ferworn
- Jack R. Pullen
- Sudhir Jain
- Bill Blair
- Harold Acheson
- Bud St. Clair
- William D. Evans
- Earle F. Mahaffy
- Jack E. Setters
- Peter Bediz (1983)
- William C. Stroup
- Ernie K. Shaw (1984)
- William Davitt (1984)
- Ray Prudholme
- George Blundun
- Valerie A.A. Neilson
- Duncan A. Carswell
- P. Dennis O'Brien
- Judi McDonald (1987)
- Dale Kary
- D.K. Bruce Fenwick
- Lloyd Hatlelid
- Larry Fichtner
- Don Simpson
- John Boyd (1988)
- Arthur Baptie
- Bob Comer
- Dan Hampson (1991)
- Nancy Shaw
- Ralph Lundberg (1992)
- Murray Olson
- George Kostashuk
- Robert Grigg
- Neil Rutherford
- Ken Duckworth (1994)
- Melvin E. Best (1995)
- Brian Russell (1995)
- Dr. Don C. Lawton (1996)
- James Brown (1997)
- John Pierce
- Gregg Milne
- Ernest Kanasewich
- Michael Enachescu (1998)
- Elaine Honsberger (1999)
- Dave Siegfried (1999)
- Doug Uffen (1999)
- Penny Colton (2000)
- Norm Cooper (2000)
- Barry Korchinski
- George Fairs (2001)
- Perry Kotkas (2002)
- Oliver Kuhn (2003)
- Satinder Chopra (2005)
- Bill Nickerson (2005)

Honorary Membership Awards

Honorary Membership is normally given only to a few members who have gained recognition for distinguished contributions in the field of geophysics or in service to the CSEG, either nationally or internationally.

Dr. George D. Garland	Robert Boulware	Dr. Zoltan Hajnal (1999)
Dr. J. Tuzo Wilson	Dr. A. Easton Wren (1987)	Brian Russell (2000)
Norman Christie	Sudhir Jain	Robert Comer (2002)
Dr. Milton B. Dobrin	Dr. Charlotte Keen	Robert Stewart (2003)
A.E. Pallister	Dr. Peter Gretener	John Boyd (2003)
Dr. Roy O. Lindseth	Dr. Gordon West	Davey Einarsson (2004)
Dr. David W. Strangway	Dr. Ron Clowes (1995)	Mike Galbraith (2005)
Peter J. Savage	Dr. Douglas W. Oldenberg (1996)	John Bancroft (2005)
R.H. Carylyle	Dr. Roy Hyndman (1996)	Perry Kotkas (2006)
Dr. Ernest R. Kanasewich	Dr. Larry Lines (1998)	

CSEG Medal

The CSEG Medal was introduced in 1988 and is the highest award that the Society bestows. "The CSEG Medal is given in recognition of the contribution to Exploration Geophysics by a member of the profession in Canada. It can be gained through a long-standing significant contribution to the application, teaching or business development of Exploration Geophysics. It can also be gained through a single achievement in any of these areas, which has been recognized over a period of years as a significant development. The award will be made to a member of the geophysical profession who is recognized for his integrity as well as his accomplishments."

Ted Rozsa	Dr. Robert R. Stewart (1992)	Garry Kelman
Roy Lindseth	Hugh Stanfield	Brian Russell (1999)
Greg Davidson (1990)	Donald Chamberlain	Dr. Don Lawton (2000)
Dave Robson (1991)	John Boyd (1994)	Dr. Dan Hampson (2004)

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