

2004 CSEG ANNUAL REPORT



2004 Executive

Peter Cary	President
Jim Stenhouse	Vice President
Larry Mewhort	Director of Educational Services
Rob Vestrum	Assistant Director of Educational Services
Cecil Keeping	Director of Finance
Deborah White	Assistant Director of Finance
John Townsley	Director of Communications
Jason Choo	Assistant Director of Communications
Andy Williamson	Director Member Services
François Aubin	Assistant Director Member Services
Jim Racette	Managing Director
Bill Goodway	Past President



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President's Report

My term as CSEG president has been highly enjoyable thanks to the large number of volunteers who make our society so successful and allow it to run so smoothly. I would like to take this time to thank this year's members of the Executive Committee for all their time and commitment to their volunteer duties. In addition to the volunteers, the CSEG has two very hardworking and diligent office staff, Jim Racette and Sheryl Meggeson whom I would also like to thank for all their efforts in the past year. Their everyday effort in many ways is the glue that holds the society together.

Although the primary concern of the society is not monetary, it is hard not to begin my report with remarks about finances since so much of the health and well being of the society is determined by our financial situation. It is worthwhile noting that the CSEG has an extremely good and enviable reputation among societies like ours for being able to function so well financially with so few resources. This is, of course, due again to our hardworking volunteers and office staff.

At the beginning of the year, we anticipated that this year would be a relatively mediocre year financially, so we forecasted only a modest surplus. As the year has played out, it has become increasingly clear that we will enjoy a sizeable surplus at year end. There are two main reasons why our forecast was so bad, and they are the highly successful CSEG convention organized by Laurie Ross and her committee and the equally successful DoodleTrain week of training courses organized by Bill Nickerson and his committee. In addition, of course, we cannot forget that all the other activities of the society were run smoothly and in a financially responsible manner. The result is that the CSEG will be enjoying its third straight year with a surplus budget.

Although last year's annual convention was very successful in all ways, it is worthwhile to note that this event is being subjected to pressures due to the changing conditions in our industry. The exhibit floor is gradually becoming more difficult to fill due to downsizing, merging or general cost analysis on the service company end of our business. On the other hand, sponsorship is a type of support that seems to be growing in interest to a wide variety of companies. There is no doubt that the complexion of the convention is gradually changing. Since the convention is traditionally the most important money-generating activity of the society, this is obviously a concern. However, it is not necessarily something to fear. Perhaps we just need to be able to change with the times, and change our expectations accordingly.

An important change that will be occurring in the near future to our conventions is an increased number of shared conventions with the CSPG (Canadian Society of Exploration Geologists).

This year the Executive decided to share both the 2006 and 2007 conventions with the CSPG. This is in response to popular demand from our general membership, and is seen by everyone as a positive move to the future. There may come a time when every convention is a joint CSEG/CSPG convention.

A most amazing event this year was the third annual DoodleTrain week. No one could have anticipated just how successful this event has become in our calendar. After two good years, we thought that perhaps the market for this kind of event was becoming saturated. Not true! Instead of the enrollment decreasing, the number of people who enrolled in classes increased significantly. This type of training is obviously filling a need in our industry. Congratulations once again need to be directed to Bill Nickerson and his committee for the extraordinary hard work and vision in making this a major event in the CSEG calendar.

The CSEG finances this year are again very healthy for a third year in a row, but it is worthwhile to note that it was not very long ago that this was not true. The society suffered from negative revenues for a couple of years before that. It is partly due to this fluctuating financial situation that the idea of setting up a CSEG Foundation has been pursued by past-president Bill Goodway this year. This Foundation should be in operation later in 2005, and its primary purpose will be to fund the ongoing health of the CSEG through educational funding or any other project that supports the mandate of the CSEG. The idea is that this will be a self-sustaining fund that will direct money towards the same kind of projects that the Executive now supports in order to ensure its successful future.

As CSEG President this year, it has often seemed that I have stood back and watched everything happen around me without any need for intervention at all. I have seen that there are many, many activities of the society which take place in a highly successful manner whether there is a president or not! This is of course exactly the way it should be, since it is the sign of a thriving society. There are countless events such as the Doodlebug, the Doodlespiel and the Ski Spree that again were huge successes this year. Other events such as our monthly luncheons and RECORDER have continued to impress. In my opinion, members of the CSEG certainly do get their money's worth out of their annual dues.

To conclude I would like to thank the CSEG membership for allowing me to serve as their president this year. It has been an honour for me to serve such a wonderful group of professionals.

PETER CARY
President

Vice President

2004 was a learning experience for me, and a busy one at that. Finding out that the Vice President position is really a “link,” and funnel of information from several committees to the Executive was an “eye-opener” to say the least, but much was learned from my year.

I will briefly give you a summary of the committees on which I acted as liaison with the Executive.

Data Standards

This has been and continues to be chaired by Jan Hay.

No report available at this time but we will be up-dated in the near future.

Geoscience Professional Development Centre

During 2004, a total of 8 GPDC courses were taught and revenues were expanded through the rental of the lab to outside vendors. This proved to be very successful.

The GPDC have expanded the 2005 course program and currently have 11 courses listed and are anticipating the addition of 3 or 4 more for the year.

University of Calgary Chair in Geophysics

Meetings were held this Summer/Fall.

Directionally, a decision was made that a designated professional would be appointed to concentrate efforts in finding a “Friend of the Chair.” It was thought that possibly one or two larger donors would be sought for the latter position and that this would be more along the lines of a “Corporate” mandate. Efforts are underway and you will be advised of its success appropriately.

Chief Geophysicists’ Forum (CGF)

I attended two meetings this year of the full membership. Graham Millington has officially stepped down and Lloyd Chipman will be the new CGF Chair for 2005. Data Room issues, Master Licensing, and various other issues were briefly discussed. The up and coming year may be one in which the Forum takes a stronger lead in bringing to closure some of the topics that have been discussed.

Master License Agreement Standing Committee

Nothing to report at this time.

Convention Committee

Meetings well under way with an excellent slate of committee heads and volunteers. May’s Convention for 2005 will be a definite winner with some exciting additions to the norm. As well, 2006 and 2007 have been slated as “Joint” conventions with the CSPG. Exciting times are ahead for Exhibitors, Sponsors and attendees alike; stay tuned.

Synopsis

As you know, my tenure as Vice President is coming to a close at the end of March and the move to President will then take place.

Some of the things I would like to see accomplished in my tenure are to continue to be a successful “member-directed,” organization that keeps current with the needs of its members. The office staff that we currently have are very diligent in their duties and have improved the over-all communication that we have with our members.

I hope that in the next year, if financially sound, we have a system in-place to gather electronically, registrations, renewals, surveys and many other items that are so time-consuming for our staff. We are investigating the latter and hope that this is the year for us to accomplish this.

We have been in discussions with the Executive staff along the lines of: “Giving back to our members.” We aren’t to the point of discussing what we are planning, but you can be sure that when we have made some concrete decisions, you will be made aware of them.

I had the fortunate opportunity of attending my first “Past Presidents” luncheon in December. What an experience; meeting some of the stalwarts of our Geophysical community! It was very re-assuring to talk to them, one-on-one, and discuss some of the things that they have seen time and time again and hear them offer any assistance that they can give me in the up-and-coming years.

JIM STENHOUSE
Vice President

Director of Educational Services

CSEG 2004 Technical Luncheons

Venue and Attendance: The 2004 Technical Luncheons were held at the Telus Convention Centre at a ticket price of \$30 starting in February 2004 (an increase from \$26.75 in 2003). Additional catering and room charges necessitated the increase. An average of 500 tickets were sold per technical luncheon during 2004.

Web Casts: Four Technical Luncheons (January, March, October, and November) and the DoodleTrain keynote address were recorded for web casting. All five luncheon presentations are now available on-line at the CSEG web site (www.cseg.ca).

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

- The CSEG staff: Jim Racette and Sheryl Meggeson, who assisted in many ways.
- The Technical Luncheon Volunteers: Rob Vestrum, Assistant Director of Educational Services, François Aubin, Larry Adorjan, Paul Anderson, Chaminda Sandanayake, Hesham Moubarak, Cheran Mangat and Penny Colton. Penny created all of the Power Point slides shown at the Technical Luncheons.
- Lisa and Susan Eastman, of GeoTir Inc, as Volunteer Ticket Coordinators. Lisa and Susan handled the distribution of an average of 450 tickets per month.
- The staff of the Apex AV Rentals for the set-up and running of the AV and related equipment.
- Ron MacLean of Wildhorse Productions for the web cast for the January, March, and November speakers.

Director of Educational Services (continued)

- OYO GeoSpace Canada and INPUT/OUTPUT for their generous donation of the sensor cut-outs used for Speaker mementos. The 1C or 3C cut-away sensors are mounted alongside anisotropic spheres of fused fibers of optical glass.
- Twenty-two companies for sponsoring monthly Luncheon tickets for students attending the University of Calgary and the Southern Alberta Institute of Technology: The sponsors for 2004-05 season are: APEGGA, Boyd Petro Search, CGG Canada Services, ConocoPhillips, C-Van Surveys, Divestco, Dominion Exploration, EnCana, Esprit Exploration, Fugro-Jason Canada, GEDCO, Geo-X Systems, GeoTir, GX Technology, Hampson-Russell, Kelman Technologies, Mitcham Canada, Paramount Resources, Seiscraft Processing, Sensor Geophysical, Sigma Exploration Inc, and Trace Energy Services.

2004 CSEG Technical Luncheon Speakers and Topics

January: Jon Downton, AVO analysis in the presence of NMO stretch and offset dependent tuning

February: Christopher L. Bergquist, "MacKenzie Delta: A Fresh Look at an Emerging Basin"

March: Dan Hampson, "Uncertainty in AVO – How can we measure it?"

April: William L. Abriel, SEG 2004 Spring Distinguished Lecturer, "Earth Model Complexity and Risk Description in Resource Exploration and Development"

June: Sarah E. Trend, "Multicomponent seismic applications in coalbed methane development."

September: Henry W. Posamentier, "Cretaceous (Brookian) deep-water deposits of the Alaskan north slope: evidence from 3D seismic data"

October: Heloise Lynn, Fall 2004 SEG/AAPG Distinguished Lecturer, "The Winds of Change: Anisotropic Rocks... their preferred direction of Fluid Flow and their associated Seismic Signatures..."

November: Dr. Douglas R. Schmitt, "Rock Physics and Seismic Signatures of Oil Sands"

December: Dave Gray and Dragana Todorovic-Marinic, "Fracture Detection using 3D Azimuthal AVO"

Lunchbox Geophysics: Seven CSEG "bring your own lunch" talks modeled after the CSPG Division talks were held in 2004. Francis Aubin managed and arranged Lunchbox Geophysics until September when that job was taken over by Larry Adorjan. The 2004 Lunchbox Geophysics talks were:

January 12, 2004: Helen Isaac, "Benefits of Integration of Seismic and Gravity Exploration: An Example from Norman Wells, NWT"

April 29, 2004: Paul Harvey, "Onshore Petroleum Exploration in Nova Scotia"

September 17, 2004: Nigel Thorburn, "Seismic Acquisition Instrumentation: The state of the technology today and where it came from...where is it going?"

October 7, 2004: Gary Margrave, "Seismic Modelling: An Essential Interpreter's Tool"

November 9, 2004: Nigel Edwards, "Marine Controlled Source Electromagnetics: Principles, Methodologies, Past and Future Applications"

November 30, 2004: Steve Lynch, "Multi-Attribute Seismic Displays or Seismic Attributes for a Different Point of View"

December 6, 2004: Brian Schulte, "Going Beyond seismic wiggles with high resolution velocities and pore pressure"

All talks except the April one were held in the Aquitaine Tower+15 Auditorium (540-5th Avenue SW). The AV equipment was supplied by Kelman Technologies. The April talk was hosted by Penny Colton at the APEGGA offices. All venues and AV equipment were supplied free of charge to the CSEG.

CSEG Best Paper Awards – presented at the AGM by the outgoing Dir. of Educational Services. Selection for these annual awards is 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".

BEST PAPER – CSEG TECHNICAL LUNCHEON AWARD

- Dan Hampson, for his March 2004 Luncheon presentation entitled: "Uncertainty in AVO – How can we measure it?" The narrated PowerPoint is available on-line at: <http://www.insinc.com/onlinetv/cseg22march2004/> The expanded abstract, by Dan Hampson, written with co-authors Brian Russell, and Maurizio Cardamone, was published in the March 2004 issue of the RECORDER.

BEST PAPER – CSEG RECORDER AWARD

- Richard Kellett and Paul Bauman 'Mapping ground water in regolith and fractured bedrock using ground geophysics: A case study from Malawi, SE Africa'. The paper was published in the February 2004, RECORDER.

Awards – 2004 CSEG National Convention – "Great Explorations"

The Technical Committee arranged and managed the delivery of technical presentations and posters for the 2004 CSEG Convention, and awarded Best Geophysical Paper, Best Geophysical Poster, Best Student Paper, and Best Student Poster Awards. Those winners and photos, where available, were listed on page 31 of the September 2004, RECORDER.

Best Geophysical Paper Presentation, CSEG 2004 Convention:

- Samuel H. Gray, Nuts and Bolts of Beam Migration.

Honorable Mention Geophysical Paper:

- Jon Downton and Laurence Lines, "Three Term AVO Waveform Inversion"
- Stephen M. Thomas, "Where the hell is that well?"



Jon Downton thanking the Luncheon Speaker Dave Gray.

Director of Educational Services (continued)

Best Student Geophysical Paper Presentation:

- Jamin Cristall, Moritz Beyreuther, and Felix Herrmann: "Curvelet processing and Imaging 4D adaptive subtraction"

Honorable Mention Best Student Geophysical Paper Presentation:

- Andrew J. Royle, John D. Logel, and Laurence R. Lines: "AVO Investigation of the Ben Nevis reservoir at the Hebron Asset"
- Faranak Mahmoudian and Gary F. Margrave, "AVO Inversion of multicomponent data for P and S impedance"

Best Geophysical Poster, CSEG 2004 Convention:

- Satinder Chopra, Vladimir Alexeev, Joanne Lanteigne, and Yong Yu: "Mackenzie Delta seismic case study – a reprocessing perspective"

Honorable Mention Best Geophysical Poster

- Arnim Haase, "Spherical Wave AVO Modelling of Converted Waves in Elastic Isotropic Media"
- Yongyi Li, "Anisotropic Parameter Prediction in Clastic Rocks"

Best Student Geophysical Poster:

- Jason Z. Han, Douglas R. Schmitt, Daniel Collis, and Javier Escartin: "Laboratory determination of velocity anisotropy"

Honorable Mention Best Student Geophysical Poster:

- Jingping Ji and Bernd Milkereit, "Full Waveform Sonic Data From a Fast Formation"
- Wen Ziao and Martyn Unsworth, Structural Imaging in the Rocky Mountain Foothills with Magnetotelluric Exploration"

Continuing Education

2004 SEG/EAGE Distinguished Instructor Short Course, "Petroleum Systems of Deep-Water Settings" was presented in Calgary on September 29, by Paul Weimer of the University of Colorado. There were 160 geoscientists in attendance including students from the University of Calgary and Alberta. Penny Colton arranged a bus which brought 33 students from Edmonton. This bus was paid for by APEGGA, the CSPG and the CSEG.

Bill Nickerson chaired the Continuing Education and DoodleTrain Committees. The Continuing Education Committee had three goals in 2004: to promote SEG courses in Calgary, to promote joint education events with the CSPG, and to cooperate with the CAGC on a seismic field trip. The first two goals were only met through the DISC where many geologists attended this SEG event. They will continue to focus on the first two goals in 2005. The CAGC field trip was a huge success with 150 people attending.

The third annual DoodleTrain, held the week of Nov. 1 to 5 was also a huge success with approximately 400 students in 23 courses, a 10% increase from the year before. Dr. Ken Larner gave the DoodleTrain keynote address: "How Many dB Can We Buy?" The DoodleTrain also achieved a significant profit. The CSEG owes a large debt of gratitude to the very hard working DoodleTrain Committee under the visionary leadership of Bill Nickerson.

Honorary Address: The CSPG/CSEG/APEGGA – sponsored Honorary Address was held at the Centre Street Auditorium on November 9th. Emory Kristof spoke on "Volcanoes of the Deep". Two thousand students, mostly from Calgary elementary schools, attended the afternoon event. The transportation was courtesy of the corporate sponsors. Fourteen hundred people attended the evening performance. This was one of the biggest Honorary Address audiences.

LARRY MEWHORT
Director of Educational Services

Member Services

In 2004, the Director of Member Services was Andy Williamson, with the Assistant Director being François Aubin. Even though the Directors terms are from March of one year to March of the following year, this annual report is for the calendar year 2004.

The Member Services Committee, along with the Executive, would like to thank all volunteers. More specifically the chair of the three main committees working under Member Services: Rob Langil for the DoodleSpiel, Mike Cardell for the Ski Spree, and Oliver Kuhn for the DoodleBug. Each one of these committees has submitted a more detailed report of their event, so only a brief summary will be given here. Hats off to them for a series of extremely successful events.

DoodleSpiel

Under the leadership of Rob Langill, the 32nd annual DoodleSpiel was held in Banff and Canmore, January 30th through February

1st, 2004. It included a stop in Springbank on the way out to allow an early round of curling. This attests to the success of this yearly event as the number of teams/participants is such that Banff and Canmore cannot provide enough ice space/time.

Ski Spree

The 37th Annual Ski Spree kept with the tradition at Fairmont Hot Springs Resort in B.C. and was a sold out event. It was held February 6th and 7th, 2004. Mike Cardell led the group of volunteers for a second year in a row.

Doodlebug

Oliver Kuhn took the helm for the 52nd Annual DoodleBug held in Jasper, September 9th through 11th, 2004. I draw your attention to the "52nd", this makes it the longest living social event of the CSEG.

Member Services (continued)

Other Events

It is also worth mentioning two extra events that used to be strictly CSPG events, and are now becoming joint CSPG/CSEG events: the Squash Tournament in February, and the Road Race in September. Thank you to the CSEG volunteers who helped host these events.

Corporate Membership

The Corporate membership is based on a sponsorship of \$300 (plus GST) for one year. The Corporate Membership is on a basis of August 1st to July 31st. There are 39 corporate sponsors as this report is written in January 2005. For 2005, we are looking at reviewing the benefits of Corporate Membership, and possibly aligning the corporate membership year along with the individual membership year. Steps are also being taken to increase our corporate membership base.

Membership

With the dues at \$50 (plus GST), the CSEG boasts one of the lowest fees of any comparable professional society. The value that you get out of this is tremendous. We all have to appreciate the role of volunteers within our organization: it is with the help of volunteers that the costs are kept down on all events, both technical and social. In order to facilitate renewal of membership, we are looking at implementing the option of on-line membership application and renewal.

Volunteers Appreciation

Without the volunteers that put in a lot of effort to make each CSEG event a success, the CSEG would not be what it is. In the course of a year, between 100 and 200 of our members volunteer for one function or another. In many cases, one volunteer's name will appear under many functions. We are very fortunate as a society

Director of Communications

The two committees which report to the Director of Communications, the RECORDER committee, and the Website committee, are both chaired by the CSEG's own master of organization, Satinder Chopra.

The volunteers who bring you the RECORDER are: Satinder Chopra, Jason Noble, Helen Isaac, Ron Larson, Vince Law, Jeff Gautreau, Carolyn Niemi, Nicole Collard, Carmen Swalwell, and Andy Marshall. It's primarily Satinder and Oliver who look after the website. These people are unpaid volunteers and I'm very grateful for the high quality work they produce. All CSEG members benefit from their contributions.

Financially, the RECORDER's goal is to break even. In 2004 the RECORDER was a financial success with revenue exceeding expenses by about \$1000, which represents about 1/2 % of total revenue. This was achieved with support of the CSEG advertisers and also by careful selection of printers and services (guided mostly by Sheryl Meggeson). The website is not revenue generating and its expenses were slightly below its annual budget of \$6000. The bottom line is that in 2004 the net cost of operating both the CSEG RECORDER and the CSEG website was less than \$7000.

to experience such a high level of volunteering. A "Volunteer Appreciation Evening" was held on October 21st at the Saltlik. Each volunteer was presented with a \$25 gift certificate as tokens of the CSEG's appreciation for their dedication. This event was well attended and will be repeated this coming year. A special volunteer is our Director of Member Services, Andy Williamson, who volunteered a hairdo appropriate for the Flames. It would have been even more exciting should the Flames have won the Cup...



Volunteer Appreciation Evening at Salt Lik.



Volunteer Appreciation Evening at Salt Lik.

Sponsors

The high caliber of events put on by the CSEG and its volunteers would not be possible without the support of our sponsors. The level of sponsorship and the number of companies contributing to one or many events is to be commended. A special "THANK YOU" to all our SPONSORS.

FRANÇOIS AUBIN
Assistant Director Member Services

Two other initiatives are underway in the communications portfolio. Firstly, definition of the CSEG privacy policy needs completion, and secondly, we are assembling video clips of past CSEG presidents for the CSEG website. The video clips require only that short excerpts be created from the full-length video interviews dating from year 2000. When the video editing is finished, you will be able to view online interviews with John Baxendale, Peter Bediz, Harry Carlyle, Bill Evans, Craig Ferris, Ed Fulmer, Lloyd Hatlelid, Roy Lindseth, Denny O'Brien, Jack Pullen, Wes Rabey, Ted Rozsa, and Peter Savage.

Unfortunately, neither the privacy policy nor the editing of interviews is complete as I write this message. The last two years have passed too quickly. Any feelings of completion take a backseat to the stronger sentiments that nothing has finished and things are only beginning. In March, Jason Choo and his assistant assume responsibility for the communications role. I wish them the very best and expect that their future experiences in this role will be as pleasant as my own were.

JOHN TOWNSLEY
Director, Communications

Managing Director

The CSEG in 2004 again experienced a year of growth through its committees, delivering many exciting and timely programs for its membership and beyond. The convention committee managed to re-create how it stages its annual event, thus keeping the convention fresh and exciting for delegates, sponsors and exhibitors. As well, the 3rd Annual DoodleTrain, the CSEG's yearly continuing education week, took an unprecedented leap in terms of registration. The DoodleTrain saw a 25% increase in registrations, with close to 450 registrants participating in one or more of the 23 courses presented. This event has globally placed the CSEG on the map in terms of offering some of the best courses in the field of geophysics at very reasonable fees. The weeklong event is receiving more and more international attention from the geophysical community and is currently unmatched in this area. Other very notable activities include the continued quality of the RECORDER publication. Our monthly magazine is also held in high regard not only from our members who receive it, but again from our neighbors to the south of us, and abroad. As well the Outreach committee gave the CSEG a fresh and consistent new look with an updated booth display and promotional brochures. All in all the CSEG is very alive and well and staying committed to our mandate.

Some of this positive activity has placed the CSEG in a strong financial position and has helped fund Outreach initiatives like: the display booth, funding for a new "Science in a Crate" through Science Alberta Foundation, which is used in schools across the province, and The Canmore Geoscience Museum's "Stone and Bones" summer day camps for children. More so the strong financial picture has helped move along the planning and implementation of a new foundation that will eventually be the

Director of Finance

I am happy to report that the CSEG has had a very successful year on many fronts, but of particular satisfaction to me, as your Director of Finance, was the fact that we were very successful from a financial point of view. 2004 marks the third year of our society recording a net income after several years of losses.

Two major projects contributed to this year's net surplus of \$234,077. The Convention under the leadership of Laurie Ross contributed \$250,441 and the DoodleTrain under the leadership of Bill Nickerson contributed \$99,470. The CSEG is indebted to these individuals and their many committee members for their diligent work on behalf of our society.

2004 was not a year of major change on the financial scene. We had already put in place some very effective reports for monthly and annual tracking of revenues and expenses. This year only some minor adjustments to the statements were necessary. Our relationships with Association Plus and our Auditor, Matt Godfrey give us external expertise and good advice to ensure that the considerable resources of the CSEG are managed in the

funding arm for hopefully many new and existing programs within the CSEG. Also, surplus funds help keep other CSEG committees active, whereas they do not have a revenue stream to offset their activities but provide a very worthwhile mission to our membership. Without a positive cash flow the CSEG would not be in a position to provide the level of service that is currently present, or more so even begin planning for future growth within our activities.

What's in store for 2005? Well our convention committee has joined forces with the Canadian Association of Petroleum Landmen (CAPL) to bring their Prospect Exchange onto the exhibit floor. This is a real coup not only for our delegates, but definitely for our exhibitors, as they should see a significant increase in floor traffic. It is certain the new CSEG Foundation will be formally established before the end of this year and the DoodleTrain will no doubt continue to be one of our core activities.

So to the CSEG membership, your society continues to be vibrant and strong, and the commitment of volunteers appears to have climbed to a new level. Where in some organizations volunteers are in high demand, the CSEG continues to attract and maintain a strong base of individuals on our executive and committees to help meet the growing demands of membership.

To those people thank you. Your ongoing commitment does not go unnoticed.

JIM RACETTE
Managing Director

best interests of the membership. This external expertise is supplemented by the very capable office staff of Jim Racette and Sheryl Meggeson.

One significant outcome of several years of surpluses is that the CSEG is now able to move ahead with the establishment of the CSEG Foundation, which will ensure that we are able to fund many worthwhile projects and initiatives in line with our mandate, including the CSEG scholarships.

I would like to thank Bill Goodway, 2003 President and my predecessor, Doug Bogstie for their assistance and support during my year as Assistant Director of Finance in 2003. I particularly wish to thank this year's President, Peter Cary and my successor Deborah White, in whose capable hands I leave the Finance portfolio for 2005.

CECIL KEEPING
Director of Finance

Chief Geophysicists Forum

The Chief Geophysicists' Forum (CGF) met each quarter in 2004 (11th March, 17th June, 9th September and 9th December), with an average attendance of 19 (Chief Geophysicists and invited guests). At each meeting the agenda included new and information items and on-going discussion items.

Work continued on the Practice Standard for Geophysical Data and the latest draft (#11) was presented to the CSEG Executive on March 16, and to the CSEG sub-committee chairmen on May 26. It was passed on for review by the MLA (Master Licence Agreement) sub-committee, CAPL (Canadian Association of Petroleum Landmen) & CAPLA (Canadian Association of Petroleum Land Administrators). The goal is to have the document on the CSEG website for input from the general membership by the end of Q1 2005.

New items brought to the attention of the CGF this year included Rob Stewart reviewing the research being done at the U. of C. and requesting input into what the industry needed the university to work on – targets, areas, finding costs, training etc.

And in September representatives of the 2005 CSEG convention committee sought input from the CGF. The convention is becoming less viable each year and the probable solution is to have a joint CSEG/CSPG convention every year. Most of the CGF supported this direction.

Graham Millington was finally able to pass on the reins of the CGF. Lloyd Chipman will serve as chairman for 2005. Stephen Marston will act as secretary and will take over the chairman's role in 2006. Attendance at the CGF has dropped over the last year or so, and so a goal of the CGF is to increase membership and more clearly define the roles and function of the CGF.

GRAHAM MILLINGTON
Chair, Chief Geophysicists Forum

Outreach Committee

In 2004 the Outreach Committee commissioned a new CSEG booth, which was unveiled at the convention. The new booth is bright and eye-catching and was designed to portray a dynamic, professional society. We also had made two pop-up banners using the same colours and images that will be easily transportable for display at any site. One banner has a space for projection of videos or promotional material.

The CSEG gave financial support to the Science Alberta Foundation towards the creation of twelve copies of each of two new crates in their wildly popular "Science in a Crate" program, which sends crates out to schools all over Alberta. We also had some input during the beta testing of the crates' activities. The new crates are "Planet Earth and the Time Mystery" and "Geologist's Boot Camp". The Planet Earth crate includes experiments to create magnetic fields with iron filings, observe convection currents, model plate movements, create folds and faults in layered media by lateral pressure, determine evidence of volcanic activity and to identify fossils. All the activities are hands-on and are geared towards the grade 7 curriculum.

We also supported the Canmore Geoscience Centre and Museum in their "Stones and Bones" summer program, which includes camps, open houses and outreach to schools.

CSEG co-operated with APEGGA and the CSEG to bring 36 university students from Edmonton to Calgary for a short course, followed by a geoscience mixer in Red Deer.

We have been in contact with the Calgary Science Centre, Calgary Science Network, the CGC, APEGGA and the CSPG with a view to collaboration and hope to pursue these connections in 2005.

Amongst the many ideas discussed by the committee are those involving outreach to schools, sponsoring a distinguished lecturer tour across Canada, sending the RECORDER to University libraries and cooperation with SAIT to make a promotional video.

Committee members are Anne Halladay, Bob Mummery, Bob Parker and recent arrival Perry Kotkas and executive representatives Larry Mewhort and Rob Vestrum.

HELEN ISAAC
Chair, Outreach Committee



New booth design.

Continuing Education Committee

Committee Make-up:

Continuing Education

Rod Garland, Ron Hinds, Mike Burianyk, Bob Parker, Bill Nickerson (chair)

DoodleTrain organizing subcommittee

Sue Carr, Mark Noble, Melissa Burdan, Dean Jones, Mike Burianyk, Lisa Michetti, Walt Posadowski, Bob Parker, Carmen Swalwell, Olga Kostenko, Bill Nickerson (chair)

Summary of activities

The Continuing Ed. Committee met three times in 2004 and the DoodleTrain committee met 13 times.

The CE committee undertook four initiatives in 2004 based on a philosophy of partnering with sister societies where possible to the mutual benefit of our peers.

The first project was an experiment in cooperation with the SEG. To address the two issues of poor attendance at convention courses and limited success of SEG's Calgary offerings in recent years, we invited SEG to put on several courses in conjunction with the CSEG spring convention. Unfortunately due to the late start, poor advertising and possibly the choice of course days which included a Saturday, the courses were undersubscribed and had to be cancelled. But we're not giving up. This year SEG will offer 4 short courses in Calgary during the week preceding the convention. CSEG will advertise them in print and have a link on the convention website. Hopefully we can learn from last year's mistakes.

The second project, a structural geology field trip for our members in cooperation with the CSPG was aborted due to an instructor time conflict. We did, however, begin advertising CSPG fieldtrips on our website and hope to resurrect the project in 2005.

The third project was cooperating with the CAGC on the "Seismic-in-motion" seismic field trip in October. This project, aimed at introducing office-bound oil patch staff, clients and regulators to modern seismic acquisition methods and equipment in a field setting was a huge success. One hundred fifty people attended each day. The weather was great and a third day had to be added to accommodate the demand. The Seismic-in-motion field trip was a tangible benefit to our members and we thank the CAGC for putting it on. The CE committee's role in this case was limited to contributing to the conceptual design and advertising for the event, but the event stands as an example of what cooperation with sister societies can do to mutually benefit our members.



DoodleTrain course in session.

The main project again this year was the "DoodleTrain" continuing education week. This year's keynote speaker was Ken Larner, and 23 short courses attracted a record registration of more than 400 registrants from industry. Again this year 20 or so graduate geophysics students were given free tuition for volunteering in the classroom. Industry support in the form of cash sponsorship for fixed cost items, donations of classroom space and coffee, and record numbers of employers sending their employees to classes, was fantastic.

One result of the DoodleTrain's success is a net profit to the society and an obligation on our part to reinvest in projects that further the educational goals of the society. In the coming year several process issues need to be addressed with the DoodleTrain, particularly around registration. Some glitches occurred this year as we found that our existing process does not scale easily to accommodate the program's popularity. The CE committee also looks forward to developing new educational initiatives to serve the members. Any ideas, or volunteer energy that readers of this report would like to contribute are welcomed by our committee. Please pass them along through the CSEG office.



DoodleTrain course in session.

BILL NICKERSON

Continuing Education Committee Chair

Scholarship

In 2004 the CSEG Scholarship Committee solicited and received sufficient funding from 17 Calgary oil companies, service companies and individuals to grant scholarships in the amount of \$2000 to 15 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.

2003 CSEG Scholarship Committee

Elizabeth Hasselgren, Nexen Petroleum International Inc.
Chairman

Jennifer Leslie, GX Technology Corporation
Senior Trustee

Erin Lamb-Fauquier, EnCana Corporation
Junior Trustee

2004 Scholarship Donors

Company	Amount (\$)
CNRL	2000.00
PetroCanada Resources	2000.00
Kelman	2000.00
CGG	500.00
Hampson-Russell	2000.00
Talisman	2000.00
Geo-X	2000.00
Matrix	2000.00
Sigma	1000.00
I/O	500.00
GX Technology Canada Ltd.	2000.00
GEDCO	2000.00
Suncor	2000.00
Apoterra	2000.00
Burlington Resources	2000.00
Sensor	2000.00
Laurence Lines	500.00
Total	28,500.00

2004 CSEG Scholarship Winners

Saleh Al-Saleh
University of Calgary

Catherine Alexandrakis
University of Western Ontario

Zhihong Cao
University of Calgary

Kelley Classen
University of Calgary

Xiang Du
University of Calgary

Sonia Graham
University of Calgary

Stephen Kearsey
Memorial University of Newfoundland

Elizabeth L'Heureux
University of Toronto

Faranak Mahmoudian
University of Calgary

Somanath Misra
University of Alberta

Carlos Montana
University of Calgary

Jennifer Nafziger
Waterloo

Aditya Pattanaik
Memorial University of Newfoundland

Sergey Samsonov
University of Western Ontario

Hernan Ugalde
University of Toronto

Contributions from the Chris Elms, Ted Popilchak and Bob Won Memorial Trust Funds administered by the CSEG Scholarship Committee brought the total to \$30,000.

ELIZABETH HASSELGREN
Chair, Scholarships Committee

Committee Report

2004 CSEG National Convention Committee

The 2004 CSEG National Convention was once again held in Calgary from May 10th to 13th with over 2200 delegates, 80 exhibitors, 110 oral papers and 23 poster presentations. We had a great combination of social, technical and business interaction for delegates. The convention drew a healthy profit mainly due to the increased efforts to eliminate unnecessary expenses, especially in printing and publications. We were also lucky to get a wonderful local speaker for the luncheon as well as generous industry sponsors.

The Committee members worked very hard to make 2004 a success and we are happy to announce that the majority of them will be returning for another year. There were many ideas that emerged during the planning that they would like to incorporate into future conventions. A special thanks to every volunteer for their efforts.

Name	Committee
Satinder Chopra	Technical
Mike Pesowski	Registration
Peter McCann	Arrangements
Corey Hooge	Communications
Carmen Swalwell	Exhibits
Rob Vestrum	Social
Susan Thomson	Finance
Sean Callaghan	Sponsorship
Andy St. Onge	Past Chairman

Laurie Ross
Chair, Convention Committee 2004



2004 Convention memento.



2004 Convention Exhibit Floor.



2004 Convention Luncheon Speaker: John Amatt.



2004 Convention General Chair: Laurie Ross.

RECORDER Committee

The ten issues of the RECORDER published in 2004 carried thirty nine technical articles and eighteen semi-technical or articles of a general nature. Nine of the ten issues focused on specific themes.

- Offshore exploration (January 2004)
- Environmental geophysics (February 2004)
- Stratigraphy – Plays, Software, Processing (March 2004)
- Convention Issue – Celebrating exploration successes across Canada and the world (May 2004)
- Trends in employment, compensation and demographics (June 2004)
- Computer technology and the computer industry (September 2004)
- Remote Sensing (October 2004)
- Exploration challenges in difficult environments (November 2004)
- Distance education (December 2004)

The feedback from the members has been encouraging and flattering; the members seem to like the interviews and the Expert Answers column that is published on a regular basis now. Ten interviews, with the following geoscientists, were published in the RECORDER during 2004.

	Kurt	Neil	Dave	Bill	Zee
• Frank Van Humbeck					
• Kurt Marfurt					
• Cathy Martin					
• Neil Rutherford					
• Mike Galbraith					
• David Paterson					
• Steve Jensen					
• Bill Abriel					
• Peter Duncan					
• Zee Wang					
	Frank	Cathy	Mike	Steve	Peter

It was indeed a pleasure interviewing these eminent geoscientists and looking into their successful careers, backgrounds and technical expertise.

In addition to the regular columns like 'Executive Message', 'Tracing the Industry', 'Grapevine', 'Calendar', 'CAGC column' and an occasional 'Letter to the Editor', new columns like 'Expert Answers', 'Expert Opinion' and 'Book Review' were also introduced. We are given to understand that the members found them interesting and informative.

All the technical articles published in the RECORDER are also included in the SEG's Digital Cumulative Index (DCI), though it does not seem updated after 2003, at the time of writing this report. In addition to these articles, all the abstracts presented at the CSEG Conventions will also be included in the DCI, starting with the 2004 CSEG Convention.

Within the RECORDER Committee, Satinder Chopra (Arcis Corporation) remains as Production Editor, Jason Noble (Edge Technologies) continues to volunteer his able services as Technical Editor, and Oliver Kuhn (Geo-X Systems) and Helen Isaac (U of Calgary) as Assistant Editors have helped spread around the increased editorial work. Vince Law recently switched gears to volunteer his time as a photographer instead of continuing his role as Advertising Manager. This position had since been taken over by Jeff Gautreau. Carmen Swalwell continued to serve very effectively as the Regular Contributor for Tracing the Industry column. Carolyn Neimi continued to do a good job as a Regular Contributor for the Grapevine column till September 2004, when she took off on maternity leave and Nicole Collard has taken her place since then. Jim Racette and Sheryl Meggeson are always available for liaison and help, apart from their organization of advertising material and related things.



RECORDER Committee (continued)

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

The RECORDER production expenses in 2004 have broken even with the advertising revenue and so helped us achieve 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 2004 are available at the CSEG website (www.cseg.ca), in addition to the archived back issues from December 98.

As stated earlier, we have continued to enhance the overall quality of the RECORDER. We will continue in this endeavour and hope the membership will continue to cooperate and help as they have done in the past.

SATINDER CHOPRA
Chair, RECORDER Committee

Website Committee

We have continued in our efforts to make the CSEG website a current, vibrant and useful website. As you will notice from the statistics given below, it is widely being used, both by our members as well as internationally. We are happy to report that the following changes have been effected on the website during the current year.

1. CSEG articles are now listed individually, so that the users no longer open the full pdf file for each issue.
2. Eleven CSEG luncheon web casts are posted on the website. This allows members, who could not attend the Luncheon talks or who reside outside Calgary, to access the webcasts in the calm and comfort of their office/home to catch up with the information presented in these talks.
3. List of scholarships awarded by CSEG every year is now available under 'Education/Scholarships'.
4. Conference abstracts archive has been reworked and it now lists papers in respective sessions and can be browsed conveniently.
5. Under the section 'Achievements' the names of the recipients of CSEG awards are listed, but the year these awards were given are not indicated. Requests have been sent to the award winners to send in this information and also a photo image which can be posted on the website. Some of the received information has been posted on the website and as more information becomes available it will be posted on an ongoing basis.

The members are encouraged to use the website as much as they can and provide us with their feedback so that we will continue in our efforts to make it as current as possible.

Oliver Kuhn continues to provide his valuable service and help.

SATINDER CHOPRA
Chair, Website Committee



Our Web page.



Average number of monthly visits to the CSEG website in 2004.

Doodlebug Golf Tournament 2004

This year's tournament came together beautifully, and it was a result of a really great team effort. The various committees all carried out their functions to the highest of standards, and this made my job as chairman quite easy, and extremely fun and enjoyable.

Fiscal restraint was one of the goals of this year's committee. It was identified quite early on that general economic conditions for the service companies that are heavily relied on financially were difficult. This coupled with steadily increasing costs on the hotel side (golf, food and beverage, accommodations) meant that the committee had to find ways to keep costs down while still providing great value to sponsors and attendees alike. This was successfully achieved. Small savings were realised in many areas through the hard work and creativity of the committee members, and the sponsorship committee did a great job, raising more sponsorship than expected. This resulted in a modest profit, ending several years of small deficits, and put the tournament on a more solid footing for future years.

There were many highlights this year. On the competitive side, Andy Morris won the top flight for his first time, and was crowned Mr. Doodlebug. There were several first time winners of ceramics, including two long time Doodlebuggers, Tom Podivinsky and Carl Provencher. The weather looked as if it would be disastrous, with Thursday morning's warm up play being snowed out, and the forecast calling for worse. However, Vice Chair Derek Boeckx was able to appease the weather gods and by the end of the weekend it was quite pleasant. An adolescent male grizzly snacking on a deer carcass near the 13th green created some delays, including a few holes being closed for an hour or two.

On the social side of things, the weekend's events were very successful. Saturday night's party was fantastic, with the Mardi Gras theme working really well. Post golf socializing at the Milligan Manor was also very popular. The Guest Tournament, organized by Erica Boeckx, was also very successful. Participants enjoyed playing the JPL course as opposed to Hinton. Not only did they have a lot of fun, but they also raised \$4070 for the Calgary Women's Emergency Shelter. The main tournament raised \$3690 for the Tom Baker Cancer Center.

I would like to thank four groups of people. First of all, thank you to this year's committee (listed below) – you did a great job! Secondly, many, many thanks to all our sponsors for your strong support. Third, thank you to all the wonderful staff at the Jasper Park Lodge for your first class service. And last, but perhaps most importantly, thank you to all you Doodlebuggers who attended this year's tournament and made it a success!

Looking to the future, Chairman Derek Boeckx and his excellent committee are already working on next year's tournament, and it should be great. I look forward to seeing all Doodlebuggers there, both new and returning!

OLIVER KUHN
Chair, 2004 Doodlebug Golf Tournament

2004 Doodlebug Committee

Vice Chair	.....	Derek Boeckx
Past Chair	.....	Bruce Gawalko
Secretary/Treasurer	.....	Peter McCann
	.....	David Wardlaw
Housing/Registration	.....	Allan Chatenay
	.....	Allison Niemi
Prizes/Sponsorship	.....	Dan McArthur
	.....	Alan Richards
Golf	.....	Brian McCue
	.....	Steve Farnier
	.....	David McHarg
Entertainment	.....	Glenn Larson
	.....	Trevor Packard
Marketing	.....	Greg Groten
Guest Tournament	.....	Erica Boeckx
	.....	Joanne Larson
Ladies Convenor	.....	Tulimah Kuhn

OLIVER KUHN
Chair, 2004 Doodlebug Committee



Scenic view from Jasper.



Jolly Doodlebuggers.

Ski Spree

The 37th annual Ski Spree was again held at the Fairmont Hot Springs Resort in beautiful British Columbia last February 2004, and again, was a highly successful event taken in by a record number 370 people. 2004 saw 12 new families that were able to greet both old and new friends from the industry.

Friday evening saw the festivities begin with 3 separate events. The Mini-Mixer, for the youngest group, had over 100 children from ages 3 to 11 who enjoyed crafts, games, goody bags, face painting, pizza and snacks, followed up by a movie. The Teen Room featured the annual scavenger hunt for ages 12 to 18. A large gathering enjoyed this challenging event with over 73 youths divided into teams, competing for great prizes and give-aways. Their evening was topped off with fresh, piping hot pizza.

Across the hall, the adults gathered for the Mogul Mixer to socialize and enjoy the “power pasta buffet”. Later, the adults were challenged to try their hand at the 3rd annual “Ski Spree Grand Prix”. Fierce competition culminated in the eventual crowning of Wendy Chamberlain as the 2004 champion. As the party wore down many decided to end the evening with a relaxing trip to the hot pools.

Saturday provided a full slate of events, organized by Mike Jones with the help of many volunteers. Mother Nature cooperated again with excellent conditions for all of the ski and snowboard enthusiasts. The children’s obstacle course race led off the day, followed by the Snowboard Races and the Downhill Ski Races. The Snow Snake hunt provided fun and sweet rewards for the kids who joined in. The on-hill Happy Hour was hosted by Earth Signal Processing, who again served up tasty snacks and libations to wind down the afternoon’s fun.



Gearing up for snowboarding.

The Après Ski Dinner filled 3 banquet rooms and was once again a treat for all. Dinner was excellent and we owe the friendly staff at Fairmont a heart-felt thank you. During the course of dinner the much-coveted gold, silver and bronze CSEG medals were awarded to those who excelled in their age and race categories. Also through out dinner many great door prizes were handed out. Congratulations to all!

I would like to thank all of our generous sponsors who stepped up to the plate and contributed. Without your staunch support the Ski Spree would not be the success it is.

I also would like to thank the Ski Spree committee for all their great work. We had so much fun, that we will be back for 2004.

Jo Ann Wickens (Consultant)	Entertainment
Kevin Viney (Complete Land)	Sponsorship
Mike Jones (Schlumberger)	Races
Kelly Zamiski (Austin Powder)	Registration
Patrick Tutty (Geo-X)	Entertainment
Jon Gittins (Veritas)	Treasurer

A special thank you to the numerous volunteers who gave freely of their time and energy to ensure a successful weekend. Without you, we could not have the success that we enjoy today. Thanks again!

MIKE CARDELL
Chair, Ski Spree

Auditors' Report

To the Members
Canadian Society Of Exploration Geophysicists

We have audited the statement of financial position of the Canadian Society Of Exploration Geophysicists as at December 31, 2004 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. Our responsibility is to express an opinion on these financial statements based on our audit.

Except as explained in the following paragraph, we conducted our audit in accordance with Canadian generally accepted auditing standards. Those standards require that we 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 and sponsorships, the completeness of which is not susceptible of satisfactory audit verification. Accordingly, our verification of membership dues and sponsorships 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, deficiency of revenue over expenditures, current assets and net assets.

In our opinion, except for the effect 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, 2004 and the results of its operations and cash flow for the year then ended in accordance with Canadian generally accepted accounting principles.

Calgary, Alberta
February 14, 2005

GODFREY & GODFREY
CHARTERED ACCOUNTANTS

Canadian Society Of Exploration Geophysicists
Statement of Financial Position
December 31, 2004

	2004			2003			
	Operating Fund	Project Fund	Convention Fund	Operating Fund	Project Fund	Convention Fund	Total
Assets							
Current assets							
Cash	\$ 874,702	\$ 5,000	\$ 35,512	\$ 834,789	\$ 27,600	\$ 42,909	\$ 705,177
Accounts and advances receivable	27,423	-	-	46,477	-	-	45,477
Prepaid expenses	9,386	-	39,488	10,403	-	32,081	42,484
	911,511	5,000	75,000	890,646	27,600	75,000	793,148
Capital assets (note 3)	34,370	11,628	-	42,998	-	-	42,998
	\$ 945,881	\$ 16,628	\$ 75,000	\$ 733,644	\$ 27,500	\$ 75,000	\$ 838,144
Liabilities							
Current liabilities							
Accounts payable and accrued liabilities	\$ 33,876	\$ -	\$ -	\$ 62,749	\$ -	\$ -	\$ 62,749
Fund Balances							
Invested in capital assets	34,370	11,628	-	42,998	-	-	42,998
Internally restricted (note 4)	300,000	5,000	75,000	300,000	27,500	75,000	402,500
Unrestricted	577,636	-	-	327,698	-	-	327,698
	912,006	16,628	75,000	670,696	27,500	75,000	773,395
	\$ 945,881	\$ 16,628	\$ 75,000	\$ 733,644	\$ 27,500	\$ 75,000	\$ 838,144

Approved by the Board



Canadian Society Of Exploration Geophysicists
Statement of Operations and Changes in Fund Balances
Year Ended December 31, 2004

	2004			2003				
	Operating Fund (Schedule 1)	Project Fund (Schedule 2)	Convention Fund	Total	Operating Fund (Schedule 1)	Project Fund (Schedule 2)	Convention Fund	Total
Revenue	\$ 383,782	\$ 311,724	\$ 612,053	\$ 1,317,589	\$ 389,904	\$ 224,208	\$ 312,047	\$ 926,159
Expenses								
Program costs	285,978	212,253	365,433	843,684	282,882	153,024	-	415,908
Administrative	243,889	-	-	243,889	244,618	-	-	244,618
	509,867	212,253	365,433	1,087,553	507,500	153,024	-	680,524
Excess (deficiency) of revenue over expenses	(115,855)	99,471	246,620	230,236	(117,688)	71,184	312,047	265,635
Fund balances, beginning of year	670,885	27,500	75,000	773,385	422,780	10,000	75,000	507,780
Interfund transfers (note 4)	246,820	-	(246,820)	-	312,047	-	(312,047)	-
Interfund transfers (note 4)	110,346	(110,346)	-	-	53,894	(53,894)	-	-
Fund balances, end of year	\$ 912,005	\$ 19,626	\$ 75,000	\$ 1,003,631	\$ 670,885	\$ 27,500	\$ 75,000	\$ 773,395

Canadian Society Of Exploration Geophysicists
Schedule of Operating Fund Revenue and Expenses
Year Ended December 31, 2004

Schedule 1

	2004	2003
Revenue		
Memberships - individual	\$ 90,333	\$ 93,815
Memberships - corporate	13,650	16,605
Recorder and Annual Report	148,927	159,575
Luncheons	125,444	113,022
Interest and other	<u>17,438</u>	<u>6,887</u>
Total revenue	<u>393,792</u>	<u>389,904</u>
Expenses		
Program costs		
Recorder and Annual Report	144,694	148,875
Luncheons	109,879	108,237
Annual meeting, elections and awards	<u>11,405</u>	<u>5,770</u>
	<u>265,978</u>	<u>262,882</u>
Administrative		
Salaries and benefits	129,108	128,937
Office occupancy	39,220	38,568
Office expenses	30,658	25,350
Professional fees	15,215	18,637
Committee and liaison costs	211	6,553
Executive projects and costs	7,261	9,239
Insurance	3,304	2,971
Memberships	903	378
Website	3,965	5,289
Sponsorships	5,000	-
Amortization	<u>8,626</u>	<u>6,617</u>
	<u>243,669</u>	<u>244,618</u>
Total expenses	<u>509,647</u>	<u>507,500</u>
Excess of expenses over revenue	<u>\$(115,856)</u>	<u>\$(117,596)</u>

Financial Statements

Canadian Society Of Exploration Geophysicists

Schedule of Project Fund Revenue and Expenses

Year Ended December 31, 2004

Schedule 2

	2004	2003
Revenue		
Doodle Train	\$ 295,663	\$ 202,647
Distinguished Lecturer and Honorary Address	13,606	20,384
Publication sales	<u>2,655</u>	<u>1,177</u>
Total revenue	<u>311,724</u>	<u>224,208</u>
Expenses		
Doodle Train	176,507	126,498
Web site development	1,686	1,581
Geoscience Professional Development Centre	-	285
Canadian Geoscience Council	-	1,394
Distinguished Lecturer and Honorary Address	14,117	18,918
Outreach	18,282	4,348
Amortization	<u>1,661</u>	<u>-</u>
Total expenses	<u>212,253</u>	<u>163,024</u>
Excess (deficiency) of revenue over expenses	<u>\$ 99,471</u>	<u>\$ 71,184</u>

Canadian Society Of Exploration Geophysicists
Statement of Cash Flow
Year Ended December 31, 2004

	2004	2003
Operating activities		
Excess of expenses over revenue	\$ 230,236	\$ 265,635
Add (deduct) items not affecting cash		
Amortization	<u>10,287</u>	<u>8,817</u>
	<u>240,523</u>	<u>274,452</u>
Changes in non-cash working capital		
Decrease (Increase) in accounts receivable	18,054	22,955
Decrease (increase) in prepaid expenses	(6,380)	(37,283)
Increase (decrease) in accounts payable and accrued liabilities	<u>(28,873)</u>	<u>18,530</u>
	<u>(17,199)</u>	<u>4,222</u>
	<u>223,324</u>	<u>278,674</u>
Investing activities		
Acquisition of capital assets	<u>(13,267)</u>	<u>(35,802)</u>
Cash inflow	210,037	242,672
Cash and term deposits, beginning of year	<u>705,177</u>	<u>482,305</u>
Cash and term deposits, end of year	<u>\$ 915,214</u>	<u>\$ 705,177</u>
Cash and term deposits comprise:		
Cash	\$ 660,214	\$ 480,177
Term deposits	<u>225,000</u>	<u>225,000</u>
	<u>\$ 915,214</u>	<u>\$ 705,177</u>

Canadian Society Of Exploration Geophysicists

Notes to Financial Statements

December 31, 2004

1. Nature and object of the Society

The Canadian Society of Exploration Geophysicists was established as a Society under The Societies Act of Alberta on December 20, 1948, 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. Accounting policies

(a) 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.

(b) 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.

(c) Capital assets

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

Canadian Society Of Exploration Geophysicists
Notes to Financial Statements
December 31, 2004

(d) **Contributed services**

Because of the difficulty of determining their fair value, contributed services are not recognized in these financial statements.

(e) **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.

(f) **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.

3. **Capital assets**

	Cost	Accumulated Amortization	Net Book Value	
			2004	2003
Office furniture and equipment	\$ <u>82,271</u>	\$ <u>36,275</u>	\$ <u>45,996</u>	\$ <u>42,006</u>

Canadian Society Of Exploration Geophysicists

Notes to Financial Statements

December 31, 2004

4. Internally restricted fund balances and interfund transfers

The Society's Executive Committee has internally restricted resources amounting to \$380,000 (2003 - \$402,500). 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:

	2004	2003
Operating fund		
Operating reserve	\$ 300,000	\$ 300,000
	<u>300,000</u>	<u>300,000</u>
Project fund	<u>5,000</u>	<u>27,500</u>
Convention fund	<u>75,000</u>	<u>75,000</u>
	<u>\$ 380,000</u>	<u>\$ 402,500</u>

The Society undertakes end/or supports special projects from time to time. 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, \$110,345 (net) was transferred from the Project Fund to the Operating Fund (2003 - \$53,684).

Convention funds in excess of the \$75,000 internal restriction will be transferred to the Operating Fund upon receipt. During the year, \$248,620 (2003 - \$312,047) was transferred from the Convention Fund to the Operating Fund.

5. Lease commitment

The Society is committed under a lease on premises for future rental payments as follows:

2005	\$ 35,088
2006	<u>26,316</u>
	<u>\$ 61,404</u>

6. Comparative figures

Comparative figures have been revised to conform with the current year's presentation.

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	
1968 *G.E. Longphee	1987 R.L. Comer	

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)

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.



2004 CSEG Honorary Membership Awarded to Davey Einarsson.

Dr. George D. Garland
*Dr. J. Tuzo Wilson
Norman Christie
*Dr. Milton B. Dobrin
A.E. Pallister
Dr. Roy O. Lindseth
Dr. David W. Strangway

Peter J. Savage
R.H. Carylyle
*Dr. Ernest R. Kanasewich
Robert Boulware
Dr. A. Easton Wren (1987)
Sudhir Jain
Dr. Charlotte Keen
Dr. Peter Gretener
Dr. Gordon West
Dr. Ron Clowes (1995)
Dr. Douglas W. Oldenberg (1996)
Dr. Roy Hyndman (1996)
Dr. Larry Lines (1998)
Dr. Zoltan Hajnal (1999)
Brian Russell (2000)
Robert Comer (2002)
Robert Stewart (2003)
John Boyd (2003)
Davey Einarsson (2004)



Bill Goodway, 2003 CSEG President handing over the 2003 Honorary Membership Award to Rob Stewart.

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."



2004 CSEG Medal Awarded to Dan Hampson.

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

Corporate Members

Ace Explosives ETI Ltd.	Intercontinental Seismic Surveys Ltd.
Aguila Exploration Consultants Ltd.	International Exploration Consultants (Canada) Inc.
Aguila International Inc.	Kelman Technologies Ltd.
Allen Geophysical Consulting Ltd.	Lornel Consultants
Allied Seismic Ltd.	Matrix Geoservices Ltd.
Apache Canada Ltd.	Mitcham Canada Ltd.
Apoterra Seismic Processing Ltd.	Norex Geophysical Inc.
Arcis Corporation	Northrock Resources Ltd.
Bertram Drilling Corp.	Outsource Seismic Consultants Inc.
Burlington Resources Canada Ltd.	OYO Geospace Canada Inc.
Canadian Natural Resources Ltd.	PetroCanada
CGG Canada Services Ltd.	Samson Canada Ltd.
Compton Petroleum Corporation	Sercel Canada Ltd.
ConocoPhillips Canada Resources Ltd.	Shell Canada Limited
Edge Technologies Inc.	Sigma Explorations Inc.
GEDCO	Suncor Energy Ltd.
Geophysical Service Incorporated	Synterra Technologies Ltd.
Geo-X Systems Ltd.	Talisman Energy Inc.
Hampson Russell Limited Partnership	Terra-Sine Resources Ltd.
Husky Energy Inc.	Time Seismic Exchange Ltd.
Imperial Oil Resources	Veritas GeoServices
Input/Output of Canada Ltd.	

