

## CSEG Foundation Chair's Report

Your gracious generosity through charitable giving to the CSEG Foundation, individual and corporate alike, helps keep our geophysical community viable and strong during these challenging recessionary times. On behalf of the Directors of the CSEG Foundation, the Fund Development Committee and the CSEG volunteers that bring life to our successful programs, we thank you.

In 2016, the CSEGF slightly exceeded our revenue goal, bringing in a little more than \$250,000; a testament to the tenacity and conviction of the donors to support the education, public awareness, and charitable activities that benefit the advancement of geophysics and the geosciences.

The Foundation Board is committed to maintaining support for priority program initiatives that have developed over the years, while doing so in a fiscally responsible way. In 2016, the Board budgeted for expenses of about \$328,000, and reduced the projected shortfall for the year to about \$298,000 through additional cost-conscious measures. The Foundation committees worked hard to minimize expenditures while funding all the Tier 1 (priority) programs identified at the start of the year and should be congratulated for their fiscal prudence.

While the Board did plan a deficit budget to maintain programs, the year-end financial health in this difficult year was stellar. Thanks to donor revenues, usual rigor in managing expenditures, and the Endowment investments, the actual net assets of the Foundation at the end of the year only decreased \$3,813 year over year.

The Foundation has maintained core programs over the downturn years and net assets have remained healthy. In 2014, the audited assets of the CSEGF were \$2,030,552. In 2015 and 2016, the assets were \$2,160,331 (audited) and \$2,156,518, (unaudited) respectively.

As of December 31, 2016, the Endowment includes the Calgary Foundation Managed Fund with a total value of \$790,175, up from a contributed principal of \$590,000. It also includes 10 GICs with a principal value of \$850,000 in various years of maturation. The rest of the assets reside in restricted funds (GICs and savings accounts), general chequing and savings accounts.

Programs such as Earth Science for Society, Scholarships, Outreach, Travel Grants and Learning Subsidies, Canadian Distinguished Lecture tour, and Special Projects, focus on providing support to our geoscience community.

A review of the highlights of this past year's activities follows.

## Scholarship Highlights

- ❖ From 2012-2016, 82 scholarships were awarded to students from 18 different institutions in Canada, including high school science applicants.
- ❖ We received 42 high-quality student applications representing 14 institutions across Canada.
- ❖ A total of \$23,000 was awarded through 12 scholarships in 2016.

*This generous donation allows me to focus more on my research, as well as stimulates me to continue my path. Your generosity has inspired me to work with more dedication for the geosciences and try to excel everyday as a member of this community. I hope one day I will have the opportunity to help other students just as you have helped me.*

**Mauricio Reyes Canales, University of Alberta**

## Canadian Distinguished Lecture Tour Highlights

The Canadian Distinguished Lecture (CDL) tour covered 21 cities in North America with strong technical presentations from Laurie Weston Bellman, well known in the geophysics community as the founder of Oil Sands Imaging, which was later re-branded as Sound QI. Her talks further promoted the science, data, and application of geophysics. The CDL chair in 2016 was Dr. Don Lawton, of the University of Calgary.

## Outreach Highlights

### Public and Schools Outreach

- ❖ We are currently designing and streamlining a web-based geophysics teaching tool to reach students and teachers anywhere in Canada in a cost-efficient and informative way.
- ❖ We attended several career fairs across the country: U of A Career Day in Edmonton, Education and Career Fair in Vancouver, Rotary Career Symposium in Winnipeg, and the U of C Science & Engineering Career Fair in Calgary.
- ❖ **Seismic in Motion.** Students attended from Jack James High School, Nose Creek Middle School, Centennial High School and, new this year, Canmore Collegiate High School.

### University Student Outreach

- ❖ We expanded the university talk series to the University of Alberta. The University of Calgary talk series reached out to industry with downtown Calgary talks. This was a successful showcase of the program and will hopefully attract more people to the talks held at the University.
- ❖ The mentorship program continues to grow. Workshops are held for both students and mentors every fall and winter semester.

- ❖ The Geophysical Industry Field Trip brought together 40 undergraduate students on a three-day field trip to learn about the design, acquisition, processing and interpretation of seismic surveys and attend a geological field trip.
- ❖ We saw the successful execution of Challenge Bowl events across Canada. When the dust settled, the team of Eric Rops and Scott Keating, representing the U of C, emerged victorious, with Romeet Gonsalves and Matt Lennon of the U of C coming in the runner-up position. Eric and Scott won an expenses-paid trip to Dallas to the SEG Challenge Bowl Finals, where they finished in second place.

*We would like to especially thank the CSEG Foundation and Imperial Oil for their financial sponsorship – without their support the Challenge Bowl would not have been possible.*

**Challenge Bowl Committee**

## Earth Science for Society Highlights

- ❖ ESfS continues to deliver a fun, educational, and dynamic geoscience outreach event in which students, families, youth groups, and the public are given an opportunity to explore Earth Science fundamentals. The sixth Earth Science for Society (ESfS) in March 2016 hosted over 750 members of the public, 300 Girl Guides and 1,500 junior high school students from more than 11 schools. In 2016, the CSEG Foundation "adopted" ESfS and became the long-term Parent Organization for the event.

*They let you experiment and told you information in a fun way.*

**Sahaana, 12**

*The Brownies had a wonderful time and wished they had more time to visit everything. We were so surprised at how well it was run and how interactive it was. They loved it!*

**Youth Group Leader**



## Travel Grant and Learning Subsidy Highlights

- ❖ In 2016, \$8,000 funded 25 students, student groups and under-employed professionals to travel and attend events. Events attended included: GIFT, GeoConvention, Junior Geophysicist Forum, DoodleTrain, WIUGC, SEG, AGU, EAGE, SAGEEP convention, field trip to Norway and Iceland.
- ❖ The Travel Grant and Learning Subsidy Committee anticipate granting 40 grants up to \$10,000 in 2017 to continue to support students and professionals enrich their geoscience-related educational experiences.

*I would like to take this opportunity to thank you for the travel grant offered by the CSEG organization to attend GIFT field trip and to meet other students & learn about their studies in different disciplines of geosciences. The Field trip had provided me with practical experience I could not otherwise obtain.*

**Rajesh, Simon Fraser University, PhD Student**



## Special Projects Highlights

The Special Projects fund was set up to help our under and under-employed members maintain their technology skills and networks.

*In September 2016, I found myself unemployed following a layoff. It was not without challenges that my family decided to stay in Calgary to allow me to remain visible and continue my professional development. I was excited by the new Seismic for Unconventional Resources course, and very grateful for the generous support of the CSEG Foundation which allowed me to attend it. The instructor is a well-respected geophysicist and an expert in unconventional resources and the quality of the lectures and hands-on applications, and discussions with the participants, by far surpassed my expectation.*

*A month after attending the course, I had interviews with companies involved in unconventional plays. I am convinced that a key factor that helped me secure one of those positions was my attendance of the class. It guided part of my preparation work and inspired a very practical interview approach; it provided a broader understanding of real day to day problems in operations and reservoir characterization, which allowed me to propose and discuss workable solutions, highlighting the value added of quantitative geophysical work.*

**Matteo Niccoli, Senior Geophysicist, Birchcliff Energy**

## CSEG Foundation Campaign Recognition

Cumulative Donations up to December 2016

*Thank You For Your Continued Support*

### Champions – \$100,000 +

Andreas Cordsen	Athena Resources Ltd.
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### Leadership Society – \$50,000 - \$99,999

Larry D. Herd and Vicki Austin	John & Nancy Peirce
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### President's Society – \$25,000 – \$49,999

Pulse Seismic Inc.

### Chairman's Society – \$10,000 – \$24,999

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### Members' Society – \$100 – \$999

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### Earth Science for Society 2016 Sponsors

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Thank you to another 143 Foundation supporters who donated up to \$99 for a total of \$5,160.00. In 2016 alone, we raised \$247,320.93. Please remember to support us in 2017. The Foundation gratefully acknowledges all gifts from our donors. Unfortunately due to space constraints, it is not possible to list the name of donors who gave less than \$100. It is our intention to acknowledge our donors gratefully and accurately. If we have made a mistake, please accept our apologies and let us know by contacting the office.

## Mission Statement

The CSEG Foundation is the registered charitable arm of the Canadian Society of Exploration Geophysicists (CSEG). Our mission is to encourage and support scientific, educational and charitable activities that benefit geophysicists through the solicitation of contributions aimed at promoting the development of geophysical knowledge, education and public awareness. Based in Calgary, we are a Canadian Foundation with initiatives all across Canada.

## Foundation Board of Directors

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\* CSEG Past President

It is through your generosity that the CSEG continues to support our industry, academics and our community. With the help of Derek Fraser, CFRE, our fundraising consultant, we have developed a new Planned Giving opportunity, in line with those promoted by many universities and other charities to allow members to leave a legacy.

There are many benefits on both sides to making a charitable bequest, please contact the office for more information.

## CSEG Foundation

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*Encouraging and supporting scientific, educational and charitable activities that benefit geophysicists*

