

SUPPLEMENTARY REPORT

Committees • Task Forces • Boards

Divisions • Branches



year in review

2003 • 2004

The Association of Professional Engineers and Geoscientists of British Columbia

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The *Year in Review 2003/2004 Supplementary Report* is an online document containing reports from APEGBC's working committees, task forces and boards as well as its Divisions and Branches. The *Year in Review 2003/2004* printed document containing reports from APEGBC's line committees that report directly to Council, reports from the President and Executive Director, and the Association's financial statements was published as an insert in the September 2004 issue of *Innovation* (also available online at www.apeg.bc.ca).



Cover photo of Helix Bridge by AMEC.

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Tony Salway PGeo PhD

Past President

Dick Fletcher PEng

Councillors

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O'Brian Blackall BCLS

Lindsay Bottomer PGeo

Frank Denton PEng

Roy Emperingham MPA CHRP

Jeff Holm PEng

Russ Kinghorn PEng

Nicole Kohnert PEng

Margaret Li PEng PhD

Hiromi Matsui MSc

Marilyn Pattison PhD

Glenn Pellegrin PEng

James Provan PEng PhD

Michael Tkachuk PEng

CCPE DIRECTORS

Colin Smith PEng

John Watson PEng

CCPG DIRECTOR

Tim Smith PGeo

Core Review Task Force



Claudio Arato PEng,
Chair

Over the past year, Council authorized the formation of a Core Review Task Force (CRTF) with the aggressive goals of implementing a Core Review process for the Association. Members were selected broadly to encompass key stakeholders and included representation from APEGBC staff, Council and ASTTBC.

The CRTF grappled with long-standing issues associated with the current membership and tried to anticipate issues associated with a potential merger with ASTTBC. With a potential 30% membership increase in a postmerger environment, it was important for the CRTF to investigate current member-related issues and the delivery of essential services under the *Engineers and Geoscientists Act*, and to identify key areas for improvement.

Council had approved a sum of \$85,000 to obtain the necessary external guidance and support to complete the review; however, it became apparent that the most appropriate expertise would come from within. Thus all CRTF deliverables were defined and delivered using existing human resources with minimal cost to APEGBC.

The CRTF identified the following key elements for consideration:

- **Governance Model Assessment.** APEGBC has never had its governance policy formally defined and committed to writing. Council's role as a policy directive body, as opposed to one randomly involved in operations, led to less than optimal utilization of human and financial resources. The CRTF recommended that a Governance Task Force be established to assist Council to develop a governance model that will be more proactive, business oriented and accountable.
- **Committee Restructuring.** The current committee structure has long been held to be unwieldy and inefficient. Given the enormous amount of staff time and resources devoted to committee business, a streamlined committee structure and policy for committee and volunteer contributions is required. A process for assessing commitments and/or committees is necessary to position the Association to meet its many obligations. These obligations will be balanced with maximizing member service opportunities and increased responsiveness to member needs while ensuring the long-term financial viability of the Association.
- **Member Relevance.** This has been a contentious issue in recent years. Because of the diversity of

broad membership, prioritizing opportunities has proven difficult, leading to simply increasing the load on staff and volunteers without due consideration for and focus on Association objectives. A streamlined governance model considers the benefits and risks associated with any new function so that operational parameters can be developed and implemented. Benchmarking demonstrates to the membership where Association resources are utilized, promoting specific member engagement in Association affairs.

The result will be a more transparent response to non-Act issues ranging from emerging disciplines to promotion of the professions to improved integration of geoscience considerations and continuous development. This will tie the Association's values, mission and vision to the evolutionary requirements of all members, laying the groundwork for a process of continuous improvement.

Achievements

- The CRTF has been successful in reviewing the governance model for the Association. A Policy Governance model was proposed by this group that is being comprehensively developed by the Governance Task Force. This model looks at Council and organizational priorities, allowing for enhanced flexibility and predictive capability, ensuring greater stability and better use of Association resources.
- The CRTF reviewed the organizational model (including the committee structure) for the Association and has proposed a structure that is currently being discussed and will be considered by Council irrespective of the merger status. The next step will be to propose completion of an operational review to identify reforms and improvements to Association core business components as defined by the *Act* (discipline and registration).
- All of this was accomplished without using the \$85,000 budget approved by Council.

To reduce the potential for duplication of tasks, I will be formally recommending that Council disband the CRTF.

I would like to extend my thanks to the Task Force members for the energy, creativity and dedication they brought to bear on the numerous complex issues under consideration. Its success would not have been possible without the dedication and professionalism of all concerned.

continued next page

Core Review Task Force CONTINUED

Task Force Members

APEGBC

Claudio Arato PEng, *Chair and Councillor* • Tim Smith PGeo, *Vice Chair* • Bill Gilmartin PEng, *Past Chair and President* • Nicole Kohnert PEng, *Councillor* • Margaret Li PEng PhD, *Councillor* • James Provan PEng PhD, *Councillor* • John Watson PEng • Anne Garrett PEng, *Executive Director & Registrar* • Fred Wylie CGA CMA CHRP, *Director, Finance & Corporate Services* • John

Bremner PEng, *Special Projects* (to Fall 2003) • Megan Begley, *Staff Representative*

ASTTBC

Tim Murphy AScT, *President* • John Leech AScT, *Executive Director*

Staff

Joanne Newlove, *Executive Assistant* (2004) • Carol Lee, *Assistant to the Director* (2003)

Governance Task Force



Jeff Holm PEng,
Chair

Since 1920, professional engineers have been granted the sole right and responsibility to practise engineering in the province of British Columbia. As part of a self-regulating professional Association, APEGBC members elect a Council to provide overall governance: strategy, direction and oversight as well as fiduciary responsibility. Council, in turn, employs an

Executive Director and staff to manage the operations of the Association.

Under this self-regulating authority, APEGBC sets and maintains the standards of entry and professional practice expected of BC's over 20,000 professional engineers and professional geoscientists, and ensures that only qualified individuals obtain the right to use the designations PEng and PGeo in BC.

Council struck a Governance Task Force to review and recommend the standards, policies and committee structure necessary to provide effective governance for

APEGBC. The Task Force expects to complete its task for implementation following the 2004 AGM.

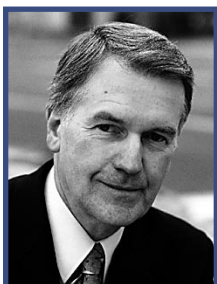
Good governance sets the foundation for a well-run organization that manages its resources properly and is responsible and accountable to both the general public and the membership. Council must implement effective governance and oversight capabilities and practices to set the appropriate framework for management to operate the Association (ie, governing without managing).

Effective governance means that Council must look at the right information and ask the right questions. Council must look to the future, constructively develop strategy and assess management's actions. A Councillor's greatest asset is the independence that allows him or her to evaluate the Association's performance from an objective perspective.

Task Force Members

Jeff Holm PEng, *Chair and Councillor* • Claudio Arato PEng, *Councillor* • Margaret Li PEng PhD, *Councillor* • Glenn Pellegrin PEng, *Councillor* • Anne Garrett PEng, *Executive Director & Registrar*

Merger Implementation Task Force



Colin Smith PEng,
Co-Chair

The Merger Implementation Task Force (MITF) is a successor to the former Joint APEGBC/ASTTBC Merger Task Force. It was established by Council following the solid endorsement by members of both Associations to proceed with the merging of ASTTBC into APEGBC.

The mandate given to the MITF was to provide oversight monitoring and high-level advice to senior staff of both organizations as we collectively

proceeded with due diligence, negotiation of a formal Heads of Agreement, development of practice guidelines and drafting of requisite enabling legislation in conjunction with APEGBC's new *Act*.

At the time of the MITF's formation, the scheduled target for implementation was January 1, 2005. By March 2004 it became evident that this date would be deferred by at least a year for several reasons including:

- The Province deferred introduction of APEGBC's new *Act* to the 2005 legislative session.
- Passage of the new *College of Applied Biology Act* in November 2002 raised new questions as to whether potential scopes of practice were inferred with rights of title. (The *Biologists Act*, unlike other right-to-title legislation, has a definition of the practice of a "professional biologist." Some have interpreted this to mean that they have a "non-exclusive right to practice" although there has been no statement of policy from government on this, nor is there likely to be one.)
- ASTTBC's request to revisit a number of principles previously agreed to including, fundamentally, the definitions of technology and the scopes of practice of technologists and, especially, technicians.
- Concerted opposition to the merger by a group of APEGBC Past Presidents (self-named OPRA — Opposed to Proposed Rewrite of *Act*).

As of mid August 2004 integration activities were in temporary hiatus pending the outcome of efforts to resolve the concerns raised by ASTTBC and OPRA. The MITF Co-Chairs and the Executive Directors of APEGBC and ASTTBC were scheduled to meet in early September following which recommendations would be forwarded to their respective Councils on how best to proceed with this initiative.

Despite the difficulties encountered, the importance of resolving them is of national interest and impact. The elected leadership of both Associations supports achieving a win-win outcome to this initiative. Further reports to members will be available in *Innovation* and at the AGM.

This initiative has consumed significant human and financial resources. I especially thank President Bill Gilmartin PEng and Council for their continued support during a time of challenge, Anne Garrett PEng and her capable staff, the volunteers who served on this task force, the several guidelines subcommittees, and the new *Act* Committee as well as our legal counsel for their contributions this past year.

Task Force Members

APEGBC

Colin Smith PEng, *Co-Chair* • Anne Garrett PEng, *Executive Director & Registrar* • John Bremner PEng, *Special Projects* • Ed Kolla PEng • Tim Smith PGeo • John Watson PEng

ASTTBC

Carson Noftle ASCT, *Co-Chair* • Tim Murphy ASCT, *President* • John Leech ASCT, *Executive Director* • Hugh Dobbie ASCT, *Past President* • Brian Carr PhD • Marsh Heinekey ASCT

Sustainability Committee



**Hiromi Matsui MSc,
Chair**

Sustainability is the concept of utilizing our physical, natural and social resources to meet our needs and aspirations without compromising the well-being of future generations and the global ecosystem.

Michel de Spot PEng chaired the Sustainability Committee up to December 2003 and has continued as an active member and immediate Past Chair. In January

2004 I took on the role of Chair. Formerly reporting to the Professional Practice Committee, the Sustainability Committee now reports directly to Council while continuing to collaborate with other APEGBC committees such as Environment.

New members this year include Councillor Frank Denton PEng along with Catherine Brown PEng/PGeo, Christy Love EIT and William Gies MAIBC. Catherine contributes considerable experience in geotechnical engineering, Christy is a former APEGBC Sustainability Researcher, and William represents the Architectural Institute of BC's Energy and Environment Committee.

The Sustainability Committee revised and updated its terms of reference for approval by Council. Its purpose is to identify, promote and facilitate sustainability in the practice of engineering and geoscience. In this context, we developed the definition of sustainability that introduces this report.

With financial assistance from the National Research Council and Western Economic Diversification Canada, the Committee hired its third Sustainability Researcher, Anthea Jubb EIT, to support the Committee in implementing the Sustainability Management System.

Last year marked the first APEGBC Sustainability Award, presented to the Greater Vancouver Regional District (GVRD) for four projects within its Sustainable Region initiatives: the Little Mountain Reservoir reconstruction, Cloverdale sanitary sewer overflow, Brunette-Fraser greenway and SEE-Gen waste incinerator. Tim Jervis PEng, GVRD's Manager of Engineering and Construction, accepted the award on behalf of his team. This year we again received a number of strong nominations and the winner will be announced at APEGBC's 2004 Annual Conference in October.

The Sustainability Committee and the AIBC Energy and Environment Committee collaborated to host the second travelling sustainability exhibit titled *Sustainability 2003-2004: Greening the Built Environment*, which showcased innovative sustainable solutions to development by APEGBC members and other profes-

sionals. *Greening the Built Environment* made its debut at APEGBC's 2003 AGM and then toured Simon Fraser University Harbour Centre, Vancouver City Hall, Vancouver Public Library for Engineering Week and a number of conferences including Globe 2004.

The Sustainability Primer is now complete with the two final modules added this year. It contains modules on sustainability in mining, municipal engineering, buildings, transportation, consulting engineering and geoscience, industrial processes and climate change.

Four issues of the Committee's newsletter, *Sustainability Now*, were published this year and featured interviews with Tim Jervis PEng (last year's Sustainability Award winner), Ray Tarnai PEng of Sandwell Engineering (energy audits) and Linda Coady, Vice President, Pacific Region, World Wildlife Fund (industrial partnerships with environmental organizations).

The Committee continues to raise the profile of professional engineering and professional geoscience in BC. Over the year five publications ran articles mentioning APEGBC's sustainability initiative: *Construction Business* magazine, *Property Management*, *Fresh Outlook*, *Design Quarterly* and *SCWIST News*. *Innovation* also ran three stories on sustainability this year.

The Committee has represented APEGBC at the Western Economic Diversification Environmental Technology Forum and Roundtable, Buildex Convention, Pacific Energy Innovation Association Convention, Environmental Manager Association Convention and other events. The recently adopted Green Building Strategy for Southeast False Creek and the City of Vancouver also received our input and support.

Our website, www.sustainability.ca, continues to develop in content and popularity — reaching up to 800 sessions a day — and is well on its way to becoming a comprehensive database of information on sustainability.

Committee Members

Hiromi Matsui MSc, *Chair and Councillor* • Michel de Spot PEng, *Past Chair* • Frank Denton PEng, *Councillor* • Linda Bily PEng • Fred Bjork PEng • Catherine Brown PEng/PGeo • Daniela Burgi ASCT, *ASTTBC Representative* • Mike Fillipoff PEng • William Gies MAIBC, *AIBC Representative* • Tony Hodge PEng PhD • Christy Love EIT • Catherine Marr PEng • Jamie McKay PEng • Scott Maynard PEng • Susan Nesbit PEng PhD • Glen Singleton PGeo PhD • Maggie Wojtarowicz EIT

Staff

Ross Rettie PEng, *Director, Professional Practice and Ethics* • Anthea Jubb EIT, *Sustainability Researcher* • Lina Bowser, *Practice Review Coordinator*

Contaminated Sites Roster Steering Committee



Reidar Zapf-Gilje
PEng, Chair

The Roster Steering Committee (RSC), whose members are appointed by the Director of Waste Management for the BC Ministry of Water, Land and Air Protection, was created to aid in the administration of the Contaminated Sites Roster of Professional Experts. Members are authorized under the Contaminated Sites Regulation to make recommendations to the Ministry's environmental managers concerning the issuance of Approvals in Principle, Certificates of Compliance and Contaminated Soil Relocation Agreements for low to moderate risk sites as well as determinations that a site is or is not contaminated.

During 2003/2004 the RSC held two general meetings with the full Roster membership and the public to report on and discuss operational issues as well as to seek input on the development of the proposed new Licensed Environmental Professional (LEP) system, whose ongoing work represents a major portion of the RSC's activities. The scope of this work, which is funded by the Ministry and will replace the current Roster system, necessitated the formation of the LEP Development Subcommittee as well as a stakeholder advisory group.

During 2003/2004 the RSC held two general meetings with the full Roster membership and the public to report on and discuss operational issues as well as to seek input on the development of the proposed new Licensed Environmental Professional (LEP) system, whose ongoing work represents a major portion of the RSC's activities. The scope of this work, which is funded by the Ministry and will replace the current Roster system, necessitated the formation of the LEP Development Subcommittee as well as a stakeholder advisory group.

Since January 2004 several additional models of the LEP have been reviewed. In conjunction with these reviews the RSC and Subcommittee developed and conducted an online survey outlining the possible parameters of the new LEP system for BC; about 1,800 individuals were invited to participate. The survey responses were considered in the development of a report, *Recommendation for an LEP System for Contaminated Sites in British Columbia*, that was posted for public comment before being finalized and submitted to the Ministry.

An external consultant was contracted in June 2004 to develop the legal and operational framework of the LEP system based on the recommendations to the Ministry. After completion of the framework this fall, implementation of the new LEP system will begin with the goal of having it ready by spring 2005.

Committee Members

Reidar Zapf-Gilje PEng PhD, Chair • Glyn Fox PhD • Patricia Houlihan LLB • Alan McCammon PGeo • Reg North PEng/PGeo • Dave Newton PGeo • Sam Reimer PAg • David Tiplady PEng

Staff

Gillian Pichler PEng, Director, Registration • Megan Begley, Project Manager, Registration • Lise-Anne Vershinin, Acting Project Manager, LEP Development

Registration Task Force



Richard Hancock
PEng, Chair

The Registration Task Force was created to undertake a detailed review of issues that arise from, or require development for, our registration system.

Work on enhancing the EIT/GIT program continued. The aim is to create a program that will make the EIT/GIT period more effective in developing the professional and more significant in enhancing the start of his or her professional career.

The Task Force is incorporating the work done in other provinces and countries and APEGBC is participating in a national committee on EIT programs.

The main project this year was the investigation of structured industry EIT/GIT experience programs including individual company programs in BC, best practices in other jurisdictions and certification of com-

pany programs. A pilot project to develop a guideline for such programs was approved by Council in March.

The pilot project, which includes participation by the Canadian Council of Professional Engineers and the Hong Kong Institution of Engineers, is making use of background from current programs already operating in Hong Kong and the UK. A preliminary report was delivered to Council in September with submission of a final report to Council scheduled for February 2005.

Electronic reporting and reviewing of experience has become a full APEGBC program and is no longer dealt with by the Task Force. In early 2004 staff completed a total update of the program software and currently there are approximately 300 EIT/GITs participating.

Other ongoing items in the Task Force's work plan are as follows:

- Professional Practice Exam development is continuing and the first meeting of a national users group was held in July to develop a framework for revisions

Registration Task Force CONTINUED

to a truly national exam. A core of new questions has been developed and used for the BC exam and these will be integrated into a national exam.

- Still being considered are continuing professional development requirements for EIT/GITs, an item that has also been identified by the structured industry EIT/GIT program pilot.
- Development of a career planning program/manual for EIT/GITs.

Task Force Members

Richard Hancock PEng, *Chair* • Dick Fletcher PEng, *Past President* • Pieter Botman PEng • Michael Morgan EIT • George Prince PEng • Doug Sanders PEng LLB

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Structured Industry EIT/GIT Program Pilot

Jody Andrews PEng • Peter Finch PEng • Dick Fletcher PEng • James Hall PEng • Richard Hancock PEng • Winnie Lai-Fong PEng • David Lapp PEng • Megan Leslie EIT • Lianna Mah PEng • John Manson PEng • Ir Otto Poon, *Past President, HKIE* • George Prince PEng • Simon So PEng • Ted Steele PEng • Bob Stewart PEng • Gordon Stewart PEng, *CCPE-CEQB Industry Liaison Committee* • Emil Tomescu PEng • Hansel Wang PEng

Structural Qualifications Board



Leon Bell PEng,
Chair

The Structural Qualifications Board had another extremely busy year with its major work focused on the following:

- Reviewing the made-in-BC examination, as well as the oral examination, with candidates who have taken these examinations to determine whether improvements can be made. Generally, candidates felt that the examinations were thor-

ough and fair. We will continue these reviews on an annual basis.

- Meeting with municipal officials through their various professional groups to explain the program and receive their input. We will meet with these groups extensively during the next year.
- Meetings and discussions with BC Building Codes staff regarding incorporating the requirements for StructEng in the Building Code. This is to ensure consistency in application for building permits throughout the province.
- Continuing discussions with Washington State to ascertain equivalencies. The Structural Qualifications Board recently approved the use of Washington's Structural III exam as a qualification route for the StructEng designation [see July/August *Innovation*, page 10] and the exam will be offered for the first time on October 30, 2004 (application deadline is October 8, 2004).

- Encouraging structural engineers to obtain their designation as soon as possible rather than waiting for the deadline of January 1, 2007. It should be noted that since the BC Codes and Practices examination is written only once a year, there are not many dates remaining and there is no plan to extend this deadline.

Currently, there are 17 StructEngs with eight through the IStructE route, five through the SE route and four through the oral route. In addition, 26 applications are in progress. We are anticipating a substantial increase in candidates as the deadline approaches.

The next BC Codes and Practices Examination will be held on November 12, 2004; the application deadline is October 8, 2004. Information can be found at www.apeg.bc.ca/reg/DesignatedStructuralEngineer.html.

Applications for the Oral Examination are accepted at any time, with the examination taking place at a time that is convenient to both the candidate and the examiners.

Board Members

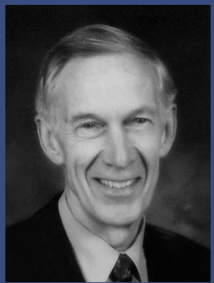
Leon Bell PEng, *Chair* • Gordon Antenbring PEng • Len Basaraba PEng • Roy Ellis PEng • David Harvey PEng • Patrick Lam PEng • Ric McWilliam PEng • John Pao PEng • Marian Podlvosky PEng • Gerry Sayers PEng • Robert Simpson PEng • Robert Sexmith PEng PhD

Staff

Gillian Pichler PEng, *Director, Registration* • Ross Rettie PEng, *Director, Professional Practice and Ethics* • Angie Freedman, *Assistant to the Director, Registration*

PROFESSIONAL PRACTICE AND ETHICS

Act Rewrite Task Force



Frank Willis PEng,
Chair

The *Engineers and Geoscientists Act* was first written in 1920. Since that time it has undergone several revisions but it has remained fundamentally a 1920s *Act*. This Task Force was given a mandate by Council to review and rewrite the *Act* to make it more current and to better serve the needs of the public and our members.

The first draft of the *Act* was set aside when a referendum asked members if they were in favour of including the Applied Science Technologists and Technicians under our *Act*. The positive response enabled the Task Force to draft the *Engineering and Geoscience Professionals Act* for submission to the provincial government.

Throughout the past year, several drafts were prepared. In early 2004 the government drafters asked that we not make any further revisions until they prepared

their draft for Association review. Shortly thereafter, we were advised that the draft would not be on the 2004 agenda for government approval and enactment. As a result, since it likely will not be on the government agenda again until 2006, Council has withdrawn the draft for further consideration.

The Task Force will remain in recess until Council has completed its deliberations on this matter and provides further instructions.

Task Force Members

Frank Willis PEng, *Chair* • Tony Salway PGeo PhD, *Vice President* • John Leech ASCT (ex-officio) • Bob Martin PEng • Chris Newcomb PEng • Mike Roberts PGeo PhD • Brian Samuels PEng • John Watson PEng

Staff

Ross Rettie PEng, *Director, Professional Practice and Ethics* • John Bremner PEng, *Special Projects*

Building Codes Committee



Andrew Harmsworth
PEng, Chair

In last year's report I noted the tremendous amount of work that the Committee put into reviewing and commenting on the new Building Code, due to come into effect in 2005.

This activity has continued with significant comment on the Vancouver Building Bylaw and ongoing dialogue with BC Building Policy Branch. In addition, the Committee dealt with a number of practice issues, dealing particularly with specialty engineers and component engineers.

As many members are aware, Committee members presented several seminars on fire protection engineering at the 2003 Annual Conference. In addition, Committee members were instrumental in developing the joint Society of Fire Protection Engineers and APEGBC professional development session on Objective Based Design.

Other work included our continued involvement with

the City of Vancouver's Equivalency Review Committee and the BC Building Code Interpretation Committee, as well as submitting recommended changes for the next BC Building Code.

Once again, I thank all members and staff for their hard work and support over the past year.

Committee Members

Andrew Harmsworth PEng, *Chair* • James Blake PEng • Steve Bruskiewich PEng • Gerry Buydens PEng • Rick Cheung PEng • Doug Clark PEng • Greg Clarke PEng • Bob Heikkila PEng • Dave Jackson PEng • Murray Johnson PEng • Bill Maudsley PEng • Bill McEwen PEng • Ralph Mellema PEng • Philip Ring PEng • Barry Thorson PEng • Victor von Maydell PEng • Brad Walton CET • Gavin Woo PEng

Staff

Peter Mitchell PEng, *Associate Director, Professional Practice* • Lina Bowser, *Practice Review Coordinator*

Building Envelope Committee



Phil Sunderland
PEng, *Chair*

The Building Envelope Committee was created to provide a forum for issues arising from the leaky condo problem, and the Building Envelope Professional qualification, that were not being dealt with in other venues and could benefit from broader discussion and deliberation. Issues considered over the past year include:

- The relationship between

APEGBC and AIBC with respect to building envelope issues.

- The general health of the building envelope sector of the construction industry. That is, are we better off now than we were a few years ago when envelope failures were a hot public issue and APEGBC and AIBC were both actively responding?
- The status of problems now becoming apparent with highrise building envelopes.
- Provision of input to bodies who revise standards for materials used in the building envelope.
- The status of professional liability and contractor's insurance availability, and their effect on building envelope practice and protection of the public.
- Durability of construction and its relationship to green buildings.
- Dialogue with the City of Vancouver Building Depart-

ment with a view to improving their processes for reviewing building envelope submissions.

- Preparation of a *Guideline for Building Envelope Practice* for APEGBC members.

In cooperation with APEGBC's CPD program, we hosted two 2-day continuing professional development sessions led by Dr John Straube of the University of Waterloo. These covered advanced building envelope theory and practice, and were very well received. We plan to repeat them as soon as possible.

I would like to thank all Committee members for their active participation and especially their efforts in serving on subcommittees that deal with various issues.

Committee Members

Phil Sunderland PEng, *Chair* • Pierre-Michel Busque PEng • Conrad Desrosiers PEng • Mark Emanuel PEng • Craig Labas PEng • Mark Lawton PEng • Brian Lee PEng • Bob Martin PEng • Pat McGrath PEng PhD • Steve Moskalyk PEng • Leslie Peer PEng PhD • David Ricketts PEng • Joel Schwartz PEng • Henry Touwslager PEng • Avy Woo PEng

Staff

Ross Rettie PEng, *Director, Professional Practice and Ethics* • Maria Seifert, *Senior Secretary, Professional Ethics*

Consulting Practice Committee



Steven Keyes PEng,
Chair

The Committee had a productive year as it concluded many items and continued work on many other issues that concern the practice and industry of consulting engineering and geoscience.

The Committee saw the conclusion of the Certificate of Authorization program. Specifically, an alternative to the Certificate of Authorization was created and is

provided for in the draft wording of the proposed new *Act*. This alternative encourages expansion of the scope of the practice review process to include a focus on the organization (company).

With some financial support by APEGBC through this Committee, the development of the *Building Pro-*

jects Practice Manual was completed. The Building Manual Project Committee released the final edition, which was endorsed by this Committee.

The Consulting Practice Committee worked with ASTTBC on a task force to develop a potential *Practice Guideline for Registered Engineering Technologists Performing Structural Services for Building Projects*. A draft guideline was developed and circulated for preliminary review, and attracted much concern and constructive comments from the structural engineering community. However, it has since been tabled pending the current suspension of the merger.

On behalf of this Committee, the Division of Structural Engineers is updating the current version of the *Guidelines for Structural Engineering Services for Building Projects* with the draft soon to be finalized. The Committee will subsequently begin to update existing guidelines for other disciplines.

Consulting Practice Committee CONTINUED

The Committee has ongoing involvement in various other items of topical concern. Some are addressed directly while others are dealt with through representation with other groups. These items include the APEGBC/ASTTBC merger, Fee Schedule Guideline, Building Envelope Guideline, Structural Checking Guideline, Structural Qualifications Board (Designated Structural Engineer), Letters of Assurance, Civil Liability Review, Municipal Insurance Association Bylaw and Seismic Risk Task Force.

I would like to thank all Committee members and staff for their contributions over the past year. Their efforts are much appreciated.

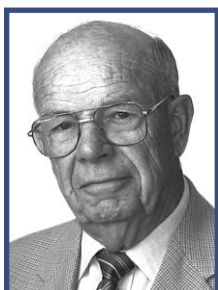
Committee Members

Steven Keyes PEng, *Chair* • Steve Bruskiewich PEng • Alfred Burgoyne PEng • Mike Davies PGeo PEng PhD • Phil Johnson PEng • Randall Kovacs PEng • Jim Leader PEng • Ed Mah PEng • Paul McGuigan PGeo • Surrender Menrai PEng • Ken Newbert PEng • Rolf Schmitt PGeo • Nyima Tsundu PEng • Rob Wills PEng

Staff

Peter Mitchell PEng, *Associate Director, Professional Practice* • Ross Rettie PEng, *Director, Professional Practice and Ethics* • Lina Bowser, *Practice Review Coordinator*

Discipline Committee



George Prince PEng,
Chair

The *Engineers and Geoscientists Act* provides for the establishment of Investigation and Discipline Committees to deal with complaints concerning the professional conduct of members of the Association and, when warranted, take disciplinary action. The current *Act*, Bylaws and Code of Ethics can be viewed at www.apeg.bc.ca.

This is one of the most important powers of our self-governing profession. Where the evidence indicates that there may have been a breach of the *Act*, Bylaws or Code of Ethics, the Investigation Committee must recommend to Discipline that an Inquiry Hearing be held.

The Discipline Committee continued to be active during the 12 months ending June 30, 2004, dealing with four new case files referred from Investigation for an Inquiry Hearing as well as six files from prior years. To date, five of these cases have been concluded. One was the result of an Inquiry Hearing where the charges were upheld and a penalty assessed against the member; in the other four the members accepted Stipulated Orders. The five cases remaining are in progress and are expected to be concluded by December 31, 2004.

The number of new cases has continued to be relatively stable over the past five years. An average of 127 complaints were received each year and, of these, an average of six cases were referred to Discipline in each of those years.

I wish to thank the members of the Committee who again have given their time freely to attend meetings

and serve on the Discipline Panels that hear Inquiries, and who continue to share their understanding and professional expertise in fulfilling the Association's disciplinary responsibilities. We lost a stalwart member of the Committee in the passing of Ole Simonsen PEng and we will miss his sage advice.

Harry McBride PEng will be retiring from APEGBC this fall. The Committee has relied heavily on Harry for his hard work, advice and counsel, and his departure will create a large void in our ranks. The Committee could not operate without the secretarial assistance given by Maria Seifert and we would like to acknowledge her work on our behalf.

Committee Members

George Prince PEng, *Chair* • Ed Hauptmann PEng PhD, *Vice Chair* • Paul Adams PEng • Paul Blanchard PEng • John Cross PEng • Bob Handel PEng • Herb Hawson PEng • Earl Lund PEng • Bill Malcolm PEng • Bob Martin PEng • Ric McWilliam PEng • Ernest Portfors PEng PhD • John Rapson PEng • Ole Simonsen PEng • Alastair Sinclair PEng/PGeo PhD • Colin Smith PEng • Gordon Springate PEng • Phil Sunderland PEng • Jerry Vernon PEng • Roy Wares PEng

Staff

Harry McBride PEng, *Associate Director, Professional Ethics* • Maria Seifert, *Senior Secretary, Professional Ethics*

Environment Committee



**Bill Donald PEng,
Chair**

The Environment Committee continues to monitor environmental matters on a provincial and national level that involve, or may influence, the work of engineers and geoscientists. Notable activities for 2003/2004 included:

- Stakeholder participation in the review of the new *Environmental Management Act* and Waste Discharge Regulation by

meeting with and providing comment to the Ministry of Water, Land and Air Protection.

- Reviewed the Sea to Sky Environmental Impact Assessment.
- Reviewed the TransLink Fraser River Crossing and met with Fred Cummings PEng, Project Director.
- Reviewed, and responded to the CCPE on, the CCPE Climate Change Action Plan.

- Reviewed the provincial groundwater management strategy and drafted commentary that was issued by the President to the Minister of Water, Land and Air Protection.

Committee Members

Bill Donald PEng, *Chair* • Christopher Boys PGeo • Romilly Cavanaugh PEng • Allan Dakin PEng • Raminder Grewal PEng • Hugh Harris PEng • John Holland PEng • Steve Knight PEng • Dennis Konasewich PEng PhD • Rob McCandless PGeo • Peter Reid PEng • Glen Singleton PGeo PhD • Troy Vassos PEng PhD

Staff

Ross Rettie PEng, *Director, Professional Practice and Ethics* • Maria Seifert, *Senior Secretary, Professional Ethics*

Investigation Committee



**Carl Wilson PEng
PhD, Chair**

The Investigation Committee reviews complaints initially received and investigated by the Associate Director, Professional Ethics and determines whether there are reasonable and probable grounds to believe that the member under investigation has contravened the *Act*, Bylaws or Code of Ethics or has demonstrated incompetence, negligence or unprofessional conduct. If

there are reasonable and probable grounds, the Committee forwards its recommendation for an Inquiry to the Discipline Committee. If not, the Committee closes the file with no further action.

During the year there was an increase in the use of independent reviewers by the Committee for cases where a technical issue was beyond the expertise of Committee members. There was also an increase in the number of cases where the Committee specifically requested a legal opinion as to the weight of the evidence available in reaching a decision on the "reasonable and probable grounds" requirement. In addition, the division of the cases closed with no further action changed, with the Committee closing more of them than staff, as noted below.

As of June 30, 2004 a total of 108 complaint enquiries were received compared to 133 last year, and 71 of this year's files were closed without investigation as the complainants did not pursue their complaints. A further 10 files were reviewed and closed by staff with no further action; these file closures were later confirmed by the Committee.

Seven meetings were held this year and of the complaints considered by the Committee, four were forwarded to the Discipline Committee recommending that an Inquiry hearing be held and 23 were closed with no further action. Currently, 18 files are still under investigation. In all cases where the file was closed with no further action, the complainant and the member complained against were given written reasons for not proceeding to an inquiry.

I would like to thank resigning member Lianna Mah PEng for her efforts in supporting the objectives and responsibilities of the Association. Monica Danon-Schaffer PEng was appointed by Council to the Committee during this year. In addition, I thank the Association staff and all Committee members for their guidance, sincerity and commitment in ensuring fairness in the overall investigation process.

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Investigation Committee CONTINUED

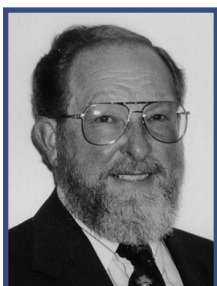
Committee Members

Carl Wilson PEng PhD, *Chair* • Henry Awmack PEng • Mac Brodie PEng • Jeff Corbett PEng • Monica Danon-Schaffer PEng • George Des Brisay FCA • Jenna Hardy PGeo • John Jenness PEng PhD • Gilbert Larocque PEng LLB • Thomas Leung PEng • Clint Low PEng • John Manson PEng • Surrendar Menrai PEng • Mark Roozbahani PEng • Will Trythall PEng

Staff

Harry McBride PEng, *Associate Director, Professional Ethics* • Maria Seifert, *Senior Secretary, Professional Ethics*

Practice Review Committee



Dave Magnusson
PEng, *Chair*

In the spring of 2003 the Practice Review program was put in abeyance due to a timing issue related to the passing of Bylaw 14(c). This bylaw authorized APEGBC to carry out practice reviews and was approved by the membership in October 1992.

In order to address the timing issue related to the passing of this bylaw, the Legislature passed the *Miscellaneous Statutes Amendment Act*, SBC 2004, Chapter 23, Section 42, which retroactively corrected the timing issue. This allowed APEGBC to carry out practice reviews as per the above referenced Bylaw 14(c) and to reinstate the Practice Review process.

The Practice Review Committee then met in June and July of 2004 and dealt with 58 files, appointing three new technical reviewers and one general reviewer. As a result, the Practice Review program is proceeding as usual.

To date, practice reviews have been carried out on 912 members with 79% in compliance, 17% requiring improvement and 4% referred to the Investigation

Committee. Over the last year, the Practice Review Committee completed a detailed review of the files adjudicated to date and will report on the general nature of their findings in an upcoming article in *Innovation*.

The Committee would like to thank APEGBC Council for addressing the required legislative amendment with the provincial government so that the practice review process could be reinstituted. In addition the provincial government, in recognizing the importance of the Practice Review program as a key regulatory tool to administer the professions of engineering and geoscience, is to be congratulated for their cooperation in implementing the necessary legislative changes.

Committee Members

Dave Magnusson PEng, *Chair* • Bill Donald PEng • Mark Emanuel PEng • Bob Gerath PGeo • Sharlie Huffman PEng • Blair McCarry PEng • George Melo PEng • Andy Mill PEng • Jim O'Brien PEng • Bill Susak PEng

Staff

Peter Mitchell PEng, *Associate Director, Professional Practice* • Lina Bowser, *Practice Review Coordinator*

Seismic Risk Task Force



**Andy Mill PEng,
Chair**

Following the demise of the BC Ministry of Finance Seismic Mitigation Program in March 2003, concern was expressed regarding the safety of BC schools in the event of an earthquake.

As Chair of the APEGBC Seismic Risk Task Force I became involved in this issue when I was contacted by Dr Tracy Monk, Chair of the Families for School Seismic Safety (FSSS). On behalf

of APEGBC I expressed interest in being involved in working with the provincial and federal levels of government as well as FSSS so that a strategy could be developed to address the problem.

In September 2003 I attended a meeting between FSSS and Premier Gordon Campbell on this matter. As a result of this meeting and further discussions and correspondence, the Ministry of Education (MoE) requested that APEGBC submit a preliminary proposal regarding the development of a standardized risk assessment tool to assess the seismic risk of school buildings. I also met with representatives of Western Economic Diversification Canada, which also indicated their interest in providing funding.

As a result of the above activity, in January 2004 APEGBC Council established the Seismic Risk Assessment Steering Committee that included representatives from APEGBC and the Consulting Engineers of BC (CEBC).

In February 2004 the MoE identified three specific areas in which APEGBC could provide valuable advice and assistance:

1. APEGBC helped the MoE to establish a working group of experts in the field to refine the approach used under the Ministry of Finance's Seismic Mitigation Program to carry out seismic assessments of school buildings.
2. APEGBC submitted a detailed proposal to the MoE for the development of guidelines to be used by professional engineers when conducting seismic risk assessments on school buildings using a performance-based methodology. APEGBC arranged for the UBC Civil Engineering Department, under the supervision of Dr Carlos Ventura PEng, to develop a software-based format for ease of application of the performance-based methodology. A team of professional engineers with extensive expertise in the seismic assessment of school buildings was used to peer review the development of the guidelines using performance-based methodology.

3. APEGBC Council provided two APEGBC nominees to the MoE's Schools Seismic Program Steering Committee. The group was charged with overseeing and implementing the work to be carried out in 2004 regarding the seismic assessment of school buildings in BC.

In response to the proposal identified in item 2) above, in June 2004 the MoE awarded to APEGBC a \$185,000 contract for the following:

- Organize and implement a training workshop for professional engineers interested in conducting seismic risk assessments of school buildings. APEGBC worked with the MoE to establish minimum training and experience qualifications for engineers who want to be placed on an MoE database of individuals who provide these services.
- Develop a Canadian version of ATC-21, a rapid screening seismic risk assessment tool developed in the US.
- Develop guidelines for professional engineers who conduct seismic risk assessments on school buildings using a performance-based methodology in a software-based format.

APEGBC completed the training session aspect of the contract in June, the Canadian version of ATC-21 in July and will complete the development of the guidelines by October. Dr Ventura and the Peer Review Committee have been instrumental in keeping the project on track.

Finally, in April 2004, APEGBC signed a \$150,000 contract with Western Economic Diversification Canada to develop guidelines for conducting seismic risk assessments on midrise to highrise buildings, again using a performance-based methodology in a software-based format. This contract will also be completed in the fall of 2004.

Our involvement with the aforementioned agencies on these types of projects enhances the perception of the public and the government that APEGBC can take a lead role in working with government to implement appropriate processes to address public safety issues involving the professions of engineering and geoscience.

ABCFP/APEGBC Joint Practice Board



**Don Dobson PEng,
Chair**

The Joint Practice Board was created in 1994 by APEGBC and the Association of BC Professional Foresters (recently renamed the Association of BC Forest Professionals, or ABCFP) to address issues concerning the scope and practice of forestry, engineering and geoscience in the development, management and administration of BC's forest resources.

The Board focused most of its attention over the past year on administrative matters related to the change in legislation from the Forest Practices Code to the *Forest and Range Practices Act*. Issues of particular concern were changing needs for the skill sets developed under the Forest Practices Code that were now required to relate to results-based professional reliance.

The Board meets monthly except July and August. In December 2003 we set out a work plan for 2004 that included reviewing and redrafting the former skills sets for stream crossings, forest road design and terrain stability into guideline documents that professionals in both associations could refer to, particularly in areas with an overlap of practice.

The stream crossing issue evolved into the development of *Guidelines for Professional Services in the Forest Sector — Bridges and Major Culverts*. This area of joint practice is of concern to the Board as it has significant safety implications. An initial draft of the guidelines was circulated to practitioner members of both associations for review, with comments received from ABCFP members in late 2003 and the Division of Engineers and Geoscientists in the Forest Sector (DEGIFS) in early 2004.

A consolidated version was then presented to the two Associations in June of this year; further comments

were received and are currently under review. The Board intends have the final guidelines approved by the two Associations and available for distribution by the fall.

The Board also intends to review the *Guidelines for Terrain Stability Assessments in the Forest Sector* that were developed by DEGIFS and published by APEGBC in 2003. This is another area of joint practice requiring a common set of guidelines endorsed by the two Associations.

The Board continues to monitor implementation of the *Forest and Range Practices Act* as this *Act* shifts additional responsibility onto the professional forester for forest management. The Board believes it has a responsibility to be aware of any new areas of joint practice and to provide support and guidance to professionals as new issues arise, as well as to receive and consider related concerns from the two Associations.

The Board expresses its appreciation to Dwight Yochim of ABCFP and Peter Mitchell PEng of APEGBC for their dedication and tireless efforts, which are critical to our efficient functioning. Our role has never been more important in these changing times and we will continue to address new challenges. As a result of the volunteer efforts of their members, the relationship between the two Associations will be further strengthened.

Board Members

APEGBC

Don Dobson PEng, *Chair* • Steve Chatwin PGeo • Gino Fournier PEng RPF • Bob Patrick PEng • Peter Mitchell PEng, *Staff Support*

ABCFP

Doug Meske RPF • Gordon Chipman RPF • Peter O'Brien RPF • Peter Tweedie RPF • Dwight Yochim RPF, *Staff Support*

Career Awareness Committee



**Daniel St-Pierre PEng,
Chair**

The Career Awareness Committee continues to work with Association staff and volunteers to increase awareness of engineering and geoscience careers as well as options among elementary, secondary and university students in BC. Efforts include support for career presentations and MathCounts as well as Industry Nights for UBC, SFU and UVic engineering and geoscience undergrads as part of APEGBC's Member Advantage Program for Students (MAPS).

This year we initiated meetings with BC school districts to create a new APEGBC career outreach program to encourage students to pursue careers in engineering or geoscience while meeting the criteria established by the Ministry of Education's new Planning 10 and Portfolio Choice programs. These new programs are designed to help students determine how their areas of study, such as applied science, can develop into careers. APEGBC's program will likely comprise a CD-Rom presentation with supporting materials that volunteers can use as part of classroom visits.

Committee members and APEGBC staff met with representatives from School Districts 44 and 45, and more recently the Lower Mainland Steering Committee for Career Programs, to gain a better understanding of the desired outcomes of these programs and the most suitable structure of a complementary APEGBC program. Committee members and staff will review existing career awareness programs and reference materials to determine the best format and content of a new APEGBC high school outreach program.

MathCounts and APEGBC continued their strong collaboration this past year. The 2004 regional and

provincial competitions took place in February and March and numerous professional engineers and geoscientists answered the call for volunteers. MathCounts and APEGBC are working with the US parent organization to find ways to continue this popular program for BC students despite a proposed increase in licensing fees. John Morgan PEng deserves special recognition for his efforts as Chair of MathCounts over the past two years and his dedicated contributions to this program.

Shelley Lebar, Student Member Coordinator, is the Association's liaison with university student executives and clubs, managing our on-campus Industry Nights and other related undergraduate programs. The Industry Nights are a great success with students and contribute to bridging the gap between universities, industry and APEGBC. A particular note of thanks to the many APEGBC volunteers who help out and to our corporate sponsors who make a generous financial contribution to support the students.

This year's Committee should be pleased with their efforts as a number of key issues were addressed in the promotion of engineering and geoscience. I would like to take this opportunity to thank the members of the Committee, volunteers and staff who participated in 2003/2004 activities.

Committee Members

Daniel St-Pierre PEng, *Chair* • David Binner EIT • Wendy Ho PEng • Michelle Lachmann PEng • Megan Leslie EIT • Cathy Marr PEng • John Morgan PEng • Ana Pop (MAPS) • Irfan Rehmanji EIT • Robert Stitt ASCT

Staff

Wayne Gibson PEng, *Director, Communications* • Glenn Martin, *Manager, Member and Public Affairs* • Sandra Lee, *Communications Assistant*

Continuing Professional Development Committee



**Vijay Kallur PEng,
Chair**

CPD Committee members and staff had an active year. Major efforts focused on increasing members' CPD awareness, providing learning opportunities through APEGBC-organized seminars, improving professional development resources for members such as the CPD Online Reporting Centre, and developing requirements for a compulsory CPD program that will meet the

needs of both members and the public.

A survey was conducted last summer to obtain member input on mandatory CPD issues. Survey results indicated that many members are in favour of such an initiative but need more information before finalizing a program. The CPD Committee has drafted program details and requirements and will seek additional member input on the process later this year.

Numerous aspects of a mandatory CPD program are being investigated including reviewing the experiences of other associations that have implemented similar programs, researching the requirements of APEGBC members, creating information avenues for members, reviewing the legislative mechanism for implementation, classifying the categories for documenting members' CPD efforts, determining a minimum number of required annual CPD hours, and monitoring.

During the past year, 80 CPD seminars were organized by staff and volunteers at various locations throughout

BC. In addition to the Lower Mainland offerings, seminar locations included Victoria, Kelowna, Prince George, Trail, Nelson, Nanaimo, Abbotsford and Kamloops. Seminar topics included technical, regulatory, managerial, business and personal skills. Three seminars were offered on the web, with good success, to participants from across Canada and the USA. We look forward to conducting more in 2004/2005.

The number of members using APEGBC's Online CPD Recording Centre has increased to 330. However, this number is still quite low and we encourage all members who have not used this resource to give it a try. If you have any concerns regarding the system or have difficulties using it please contact Janet Sinclair, Associate Director, Professional Development.

Over the next year, the Committee will continue to develop a CPD program that will assist APEGBC members in their pursuit of professional excellence.

Committee Members

Vijay Kallur PEng, *Chair* • Milan Fischer PEng • Peter Friz PGeo • Ron Green ASCT (ex-officio) • David Harvey PEng • Sharlie Huffman PEng • Roger Woodhead PEng PhD • Rhett Wade PEng

Staff

Janet Sinclair, *Associate Director, Professional Development*

Editorial Board



Bob Gill PEng, Chair

It is my privilege to volunteer on the Editorial Board as part of the hardworking team that helps to make your journal a truly tangible connection between the Association and its members. We are proud that *Innovation* remains a vehicle to inform you of Association issues and proposed or upcoming changes.

Your journal publishes Association news and features remarkable and pertinent articles on engineering and geoscience activities. In addition, reflecting the diversity and innovative work of our members, *Innovation* also profiles some of the innovators, entrepreneurs and

leaders among our membership and their contributions to engineering and geoscience. These success stories have shown us that BC professional engineers and geoscientists are truly world class and sought after globally for their expertise.

We are grateful for your comments that we received on the recent survey concerning the quality of the journal, the frequency of publication and the introduction of an electronic newsletter. Effective November 2004, *Innovation* will move to a bimonthly publication schedule from its current format of 10 issues per year. The reduction in printed publication frequency will be offset by the launch of a new monthly electronic newsletter in the fall of 2004.

While the survey showed that over 70% of respondents supported a 10 times (or more) publication

Editorial Board CONTINUED

frequency for receipt of news through *Innovation* only, when offered a supplementary monthly electronic newsletter approximately 67% of members preferred six or fewer issues of the printed magazine per year.

We encourage you to communicate your thoughts and opinions to our Editor, Wayne Gibson PEng, and to contact Managing Editor Jennifer White or any Board member with your story and profile ideas and contact names. We want *Innovation* to be relevant wherever you are in BC, across Canada or around the world.

I would like to thank Editorial Board members for their dedication to *Innovation* and contributions to the editorial planning process, and Jennifer White for her relentless pursuit of perfection in the planning, design and production of the journal.

We appreciate the efforts of our Advertising Representative, Gillian Cobban, and the journal's many advertisers.

Without your support, *Innovation* would not be the success it is. Finally, thanks to all of our members who contributed to articles, stories and profiles this year. We look forward to bringing you more interesting news, stories, profiles and features in the coming year.

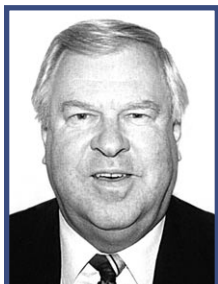
Board Members

Bob Gill PEng, *Chair* • Lianna Mah PEng • David Harvey PEng • Derek Hodgkinson PEng • Bruce Thomson PGeo • Jerry Vernon PEng • Mark Yang PEng • Gillian Cobban, *Advertising Representative*

Staff

Wayne Gibson PEng, *Director, Communications and Editor* • Jennifer White, *Managing Editor and Publications Coordinator*

Member Services Committee



**Tiit Pikksalu PEng,
Chair**

APEGBC represents more than 22,000 potential direct buyers and their families: that's a lot of group purchasing power. The Member Services Committee evaluates affinity program participants for inclusion in a growing list of member service and product providers, resulting in benefits members cannot normally receive on their own.

The Committee is directed by its terms of reference to facilitate the delivery of value-added member service programs and to generate alternative revenue streams while respecting the Association's fundamental regulatory responsibility to the public.

The Committee was originally formed as the Home Insurance Committee to negotiate and monitor the first APEGBC-sponsored insurance affinity program with Park Insurance. As the home insurance program expanded to offer auto and other insurance coverage, the Committee's mandate was expanded five years ago at the suggestion of long-time chair Colin Wright PEng and was renamed the Member Services Committee.

Over the past 15 years the Member Insurance Program with Park Insurance has grown to include over 6,000 active policies. Park's customer satisfaction survey results show that over 90% of policy holders rate their claim experience as good or excellent, and over 95% would recommend the program to a friend or a

colleague. There was only one formally registered complaint in the last five years.

Some years ago the Committee negotiated an administration fee paid by the underwriter, Lombard Insurance, to the Association based on the program's annual loss ratio results. This has delivered \$265,412 in revenues to APEGBC over the past five years. As a result, the net positive cash flow to the Association enables it to concentrate on its regulatory programs and services at lower costs to the membership.

Total revenue generated this fiscal year by all APEGBC affinity programs including fees, donations to the APEGBC Foundation, affinity provider advertising in *Innovation* and affinity provider participation as exhibitors and sponsors at the Annual Conference was \$180,772. Individual member savings generated from the favourable rates of our affinity programs are conservatively estimated to cover or exceed the annual membership fee.

Member response to affinity program updates has generally been positive, generating good suggestions for possible programs such as transit passes, travel insurance and various products. The Committee is eager to investigate new areas recommended by members. Please provide your input and visit www.apeg.bc.ca/members/affinity.html to take advantage of the many money-saving opportunities.

Many thanks for the generous volunteer contributions of Douglas Blake PEng and Andrew Gorlick PEng. We benefited from the brief but insightful participation of Rui Fernandes EIT, Don MacKenzie EIT and Clarence

Member Services Committee CONTINUED

Wong PEng, who unfortunately all had to resign this past year due to job relocation. A special thank you to Past Chair Michael Farnsworth PEng, an invaluable contributor and still the backbone of the Committee.

Due to APEGBC's departmental restructuring, the Committee now works closely with Fred Wylie CGA CMA CHRP, Director, Finance and Corporate Services — a good fit as our work generates substantial contributions to APEGBC's income. Glenn Martin, Manager, Member and Public Affairs undertakes the coordination with our affinity program providers and provides invaluable administrative support. Thanks to you both.

Finally, I would like to recognize Director of Communications Wayne Gibson PEng, the "wordsmith" and long-time mover behind this Committee and its predecessor.

While Wayne is no longer directly involved due to the restructuring, the success of the Committee and its programs owes much to Wayne's enthusiastic support for member services.

Committee Members

Tiit Pikksalu PEng, *Chair* • Douglas Blake PEng • Michael Farnsworth PEng • Andrew Gorlick PEng

Staff

Fred Wylie CGA CMA CHRP, *Director, Finance and Corporate Services* • Glenn Martin, *Manager, Member and Public Affairs*

Mentoring Committee



**Hugh Fraser PEng,
Chair**

The Mentoring Committee helps EITs and GITs obtain professional registration in the four-year time frame by matching trainees with experienced registered professionals, who guide trainees as they gain work experience and develop their skills.

An excellent evening seminar on applying coaching skills in a mentoring environment, led by Cheryl Smith, was held in November.

The session involved direct teaching, stimulating discussion and practice sessions. The trainer, Committee members, mentors and trainees all learned something valuable to apply in their own mentoring experiences.

We recently surveyed members-in-training who participate in the program to ensure that it is meeting their needs. We are working on operational improvements to facilitate the Committee's work in matching and tracking contacts with mentors and trainees. In the coming year, we will continue with matching activities and plan to hold another seminar in November 2004.

Each year the Committee receives applications from internationally trained engineers and geoscientists who seek professional registration but are not registered as EITs/GITs. As the program's mandate is to assist members-in-training to navigate the traditional four-year experience requirement, these applicants were outside the purview of the program. However, the Committee will seek Council's approval to expand its terms of reference to include mentoring for internationally trained engineers

who become Provisional Members with the Association. We will continue to advertise to both recent graduates and potential mentors.

Ongoing support from the Association has been readily available and the Committee has a close working relationship with Association staff members Sandra Lee and Janet Sinclair.

This past year Al Bolger PEng resigned from the Mentoring Committee; his support is missed but we wish him well in his new work. Committee members Mike MacLatchy PEng, James Canova PEng and Martin Paul PEng are in the Vancouver area; Barry Brooks PEng provides mentoring support in the Victoria Branch and assists in making suitable matches on Vancouver Island. The Committee welcomes any members who wish to participate in the program or as a Committee member.

Committee Members

Hugh Fraser PEng, *Chair* • Barry Brooks PEng • James Canova PEng • Mike MacLatchy PEng PhD • Martin Paul PEng

Staff

Janet Sinclair, *Associate Director, Professional Development* • Sandra Lee, *Communications Assistant*

Public Relations Committee



**Terry Wong PEng,
Chair**

The Public Relations Committee works with a strong commitment to make the public aware that APEGBC professionals:

- find the right solution to the right problem;
- lead the way through innovation and ingenuity; and
- act as responsible advocates for public safety and the environment.

Through our activities the Committee continues to strengthen the competitive advantage of all APEGBC professionals.

Budget constraints this past year prevented the Committee from developing a new advertising campaign. However, a new ad in the “imagine a world without ...” campaign was created in the fall and we recirculated previously developed ads throughout the year in *Innovation* and other external publications such as *Business in Vancouver*, *BC Business* and the *Kelowna Daily Courier*.

The Committee met infrequently over the past year with decreased activities because of uncertainty in direction from the Communications Committee, to which our Committee reports. Discussions at this level included whether the Public Relations Committee should be discontinued, amalgamated with other subcommittees or redefined with alternate objectives. Until these decisions were clarified, our Committee was uncertain as to its continued existence or whether it would be restructured in form and capacity. The Communications Committee continues to review their subcommittees to rationalize their operations and objectives in light of the new direction by APEGBC Council to move towards a policy governance model.

Despite these uncertainties, the Public Relations Committee met internally and discussed its value to the Association and whether it should continue to function. We concluded that the various advertising campaigns produced by this group generated great value for APEGBC members as these ads are effective in promoting the value that professional engineers and professional geoscientists bring to employers, businesses and the general

public. This success re-energized the Committee’s determination to continue to reinforce our message and to get the word out about the value professional engineers and professional geoscientists generate for society.

The Committee will also continue to look at innovative ways to raise funds to continue our work. We will seek perennial and sustainable business partnerships with business groups and companies that see value in promoting their company through association with APEGBC.

However, the Committee also agreed that perhaps new methods should be tried and that the time may be right to add to our media mix to achieve these objectives. For instance, a local radio station approached the Association with the concept of airing a professional engineering and geoscience ad. To leverage the costs of such ads and run them more frequently, the Committee will look for cosponsorships with other engineering and geoscience firms and individuals.

Although the Public Relations Committee was not as active as I would have liked over the past year, and despite working with budgets that seem to be more challenging year after year, we remain resolved to continue to work on behalf of the membership to reinforce the competitive advantage of professional engineers and geoscientists. Under these financial restraints it may take longer to achieve our goals, but we will eventually get there.

We welcome feedback from members. Please let us know if we are on the right track and take an active role in voicing your opinions to Council and the Communications Committee as to the worth of having a Public Relations Committee to promote professional engineering and professional geoscience.

Committee Members

Terry Wong PEng, *Chair* • Janet Benjamin PEng • Gruja Blagojevic PEng • Brian Butterworth PGeo • Janet Calder PEng • Gordon Foy PEng • Harold Westerman PEng

Staff

Wayne Gibson PEng, *Director, Communications* • Glenn Martin, *Manager, Member and Public Affairs* • Sandra Lee, *Communications Assistant*

Standing Awards Committee



**Bob Affleck PEng,
Chair**

APEGBC's Standing Awards Committee is responsible for seeking and reviewing nominations for the Association's annual awards. Final selections are made by Council based upon the Committee's recommendations.

The awards made annually by the Association are the R A McLachlan Memorial Award, C J Westerman Memorial Award, Meritorious Achievement Award,

Professional Service Award, Community Service Award and Teaching Award in Engineering and Geoscience. Their terms of reference can be found at www.apeg.bc.ca/members/awards.html.

In making these awards, the Association recognizes outstanding engineering and geoscience accomplishments as well as service to the professions and to society in general. Many recognize that, while financial success is comforting, professional recognition by one's peers is most rewarding in the long run.

The Committee also submits nominations to CCPE for their annual Canada-wide awards. APEGBC members continue to do well in this regard. In 2004, Dr Helmut Prion PEng received the Medal for Distinction in Engineering Education, and the Millennium Line Sky-Train Expansion Project received the National Award for Engineering Achievement.

While nominations for the annual APEGBC awards are welcome at any time, the formal request for nominations is made in February each year. The Committee first meets to consider submissions in late April and submits its recommendations to the Communications Committee and Council by the end of June each year.

We believe there are many outstanding APEGBC members deserving recognition but whose achievements need to be brought to the Committee's attention. We have attempted to simplify the nomination process and urge all members to consider submitting nominations for the 2005 awards.

Thank you to all Committee members and APEGBC staff for their participation, patience and wise counsel. As well, thank you to all those who submitted nominations for the 2004 awards.

Committee Members

Bob Affleck PEng, *Chair* • Roy Bartholomew PEng • Malcolm Cameron PEng • Bill Hall PEng • Gary Livingstone PEng • Bill McLachlan PEng • Phil Sunderland PEng

Staff

Wayne Gibson PEng, *Director, Communications* • Glenn Martin, *Manager, Member and Public Affairs* • Shelly Lebar, *Student Program Coordinator*

Division for Advancement of Women in Engineering and Geoscience (DAWEG)



Maggie Wojtarowicz
EIT, Chair

Another exciting year for DAWEG is coming to a close with our AGM on September 25. Throughout the year, we continued to implement our annual programs to enhance the participation of women at all levels in the engineering and geoscience professions. We also started a number of new initiatives to be carried forward to 2004/2005 and beyond.

Our programs provide opportunities for networking, mentoring, skills development, outreach, collaboration with other organizations and providing support to APEGBC's female members.

Activities over the past year include our annual salary seminar, where 80 up-and-coming female and male professionals developed their salary negotiation skills. Our annual Fun Run, the main fundraiser for DAWEG's programs, saw 50 runners and walkers celebrate the start of National Engineering Week. Good attendance is anticipated at the DAWEG-sponsored professional development stream at the APEGBC Annual Conference.

In addition to our regular quarterly newsletters and semi-annual member socials, our new networking and member outreach programs include monthly informal coffee talk meetings and biweekly TGIF emails. We are also investigating restarting a Victoria Chapter.

Our outreach efforts have brought 25 new members to DAWEG this year including a large number of new Executive members. As part of the rejuvenation process we held a strategy and teambuilding session for our Executive followed by a dragon boat paddle in False Creek, and updated our Strategic Plan and Policy.

With DAWEG's support, the UBC Tri-Mentoring Program successfully completed its pilot that brought together 30 female students and 15 female mentors from industry and academia; the program is recruiting approximately 150 new participants for the coming year. In our efforts to make APEGBC activities more family-friendly, we offer childcare during all DAWEG events.

DAWEG's collaborative efforts gave several of our members the opportunity to participate in a CCWEST national consultation as part of an initiative to increase advocacy and influence on policymakers in government, industry, academia and other organizations to strengthen the participation of women in science, engineering, trades and technology.

Our continued collaboration with the MIT Women's Initiative brought a group of MIT female engineering students to 11 high schools in the Lower Mainland and Vancouver Island. In collaboration with APEGBC, DAWEG's sponsorship program enables women to attend conferences such as those of CCWEST and NCWIE.

For more information on DAWEG's mandate and programs, please visit www.apeg.bc.ca/daweg.

Division Executive

Maggie Wojtarowicz EIT, *Chair* • Nancy Hill PEng, *Vice Chair* • Daniela Constantinescu, *Past Chair/SCWIST Rep/Advisory Council* • Lena Farra EIT, *Secretary* • Grace Cheng PEng, *Treasurer/SCWIST Rep* • Cathy Marr PEng, *CCWEST Rep/Advisory Council* • Lianna Mah PEng, *CCWEST Rep/Advisory Council* • Karen Savage PEng, *CCPE Rep/Advisory Council* • Megan Leslie EIT, *School Interaction/Career Awareness* • Manjit Neger, *Newsletter Editor* • Jennifer Richards EIT, *Newsletter Editor* • Cynthia Oldham EIT, *Newsletter Editor* • Nicole Kohnert PEng, *Outreach/External Liaison* • Margaret Li PEng PhD, *Outreach/External Liaison/Advisory Council* • Teresita Dechavez, *Outreach/External Liaison* • Caroline Dayyani EIT, *Social/Events* • Diana Cheng, *Social/Events* • Davinder Rai PEng, *Social/Events/Fun Run* • Cynthia Zhou, *Fun Run* • Rhonda Hyslop EIT, *Web Page* • Phyllis MacIntyre PEng, *Networking* • Mitra Salimi, *Networking* • Kara Hurtig EIT, *Membership* • Donna Dykeman, *Mentoring* • Monica Feng EIT, *Mentoring* • Roya Rahbari EIT PhD, *Mentoring* • Erin Young, *Mentoring* • Sara Fakhari, *Mentoring* • Setareh Aslani, *Mentoring* • Jill LeDrew, *Mentoring* • Elizabeth Croft PEng PhD, *Advisory Council* • Luarel Richl (Bur) PEng, *Advisory Council*

Division of Engineers and Geoscientists in the Forest Sector (DEGIFS)



Calvin VanBuskirk
PEng/PGeo, Chair

The 2003/2004 term began with another highly successful AGM in Penticton. DEGIFS hosted an exciting field trip exploring the geology of the southern Okanagan followed by two days of presentations. The first day focused on landslide hazards and risks case studies and was a preview of the recently published *Land Management Handbook 56 — Landslide Risk Case*

Studies in Forest Development Planning and Operations. The second day featured a wide variety of topics including snow avalanches, hydrogeomorphology and professional practices under the *Forest and Range Practices Act*.

Other DEGIFS initiatives include:

- awarding two bursaries of \$1,000 each to students in programs related to forest engineering, geoscience or geotechnique;
- reviewing and providing input to the Joint Practice Board's draft *Guidelines for Professional Services in the Forest Sector — Bridges and Major Culverts*;
- working with the CEBC and the Ministry of Forests to improve professional services contracting practices;
- providing input to the previously noted *Landslide Risk Case Studies* document via members on the Risk Task Force; and
- initiating discussions on the roles and responsibilities of forest engineers in BC.

The DEGIFS *Aspect* newsletter editors and webmaster continue to work diligently to keep our members informed and entertained. For those who are not DEGIFS members but are interested in work in which DEGIFS members are involved, past issues of *Aspect* are available at www.degifs.com/resources.php3?category=aspectnewsletter.

As most members are aware, the *Guidelines for Terrain Stability Assessments in the Forest Sector* was published by APEGBC in October 2003. In January and February 2004 APEGBC and DEGIFS members presented

the guidelines at professional development workshops in Richmond and Kelowna.

DEGIFS members will not want to miss the October 2004 AGM in Whistler where we will feature another two days of presentations including talks on forest roads and bridges, road construction practices, forest fires and, of course, landslides. A field trip is also planned to explore the influence of logging operations on the stability of fans.

The BC forest industry continues to evolve in response to increased knowledge of the dynamics of forest land, changes to socioeconomic values, and shifts in the regulatory framework. As a result, DEGIFS continues to play an important role in monitoring professional engineering and geoscience practice, promoting education and high standards of practice, and responding to issues of public interest in the forest.

I wish to thank the Executive, the *Aspect* editorial team, subcommittee members and all others who have assisted DEGIFS by volunteering time or passing along comments or observations pertinent to the DEGIFS membership. As in past years, DEGIFS relied heavily on Peter Mitchell PEng, our APEGBC liaison. Thanks also to all those members who agreed to be nominated for the 2004/2005 Executive. Your desire to be involved is what makes DEGIFS so successful.

Division Executive

Calvin VanBuskirk PEng/PGeo, Chair • Brian Chow PEng, Vice Chair/Bursaries • Eric McQuarrie PEng, Past Chair • Tim Dunne PEng, Secretary • Bill Grainger PGeo, Treasurer • Deepa Filatow PGeo, Treasurer • Doug Nicol PEng, Guidelines • Heather Blyth PGeo, AGM Coordinator/Webmaster • Peter Mitchell PEng, APEGBC Liaison

Co-opted Representatives

Bruce Thomson PGeo, *Aspect* Co-editor • Jennifer Clarke PGeo, *Aspect* Co-editor • Julie Orban GIT, *Aspect* Co-editor • Brian Brassington GIT, Affiliate Liaison • Bill Grainger PGeo, Affiliate Liaison

Municipal Engineers Division (MED)



Francis Cheung
PEng, *Chair*

The Municipal Engineers Division has a membership of 300 professionals working in various public sector organizations throughout BC. It provides a valuable forum for professional public sector engineers to meet, exchange ideas, debate issues and be a catalyst for improvement, innovation, sustainability and change in the public sector.

The MED provides a forum for our members to continue their professional development. This is accomplished by our Executive members organizing regular technical seminars on municipal engineering and local government issues, publishing regular newsletters on relevant issues and current events, and developing common standards and specifications.

This year, Dave Dean PEng and Alan Newcombe PEng left the municipal sector to join the consulting engineering sector. We thank both for their excellent work while serving on the Executive and their commitment to the municipal engineering profession. We welcome David Duckworth PEng and John Vos PEng as new Directors.

The MED has continued its relationship with the Master Municipal Construction Document (MMCD) by hosting joint seminars on issues that are topical to both organizations as well as sharing seminar costs and increasing networking opportunities. This relationship has been beneficial to all involved. Currently, we are working on the joint MED/MMCD AGMs to take place this fall.

Our Division participated in the APEGBC 2003 Annual Conference in Penticton last October with a stream focused on soft engineering topics such as the power of passion, the importance of humour in the workplace, economic development opportunities in the Okanagan valley and employment law.

Our Division's AGM was held on November 21, 2003. The seminar portion of the meeting dealt with current issues including the Sea to Sky project, asphalt pavement mixes and performance factors, economic prospects in BC, LEED buildings and a tour of the Vancouver City Works Yard building.

The Globe 2004 conference in April provided an unparalleled opportunity for MED members to learn about leading edge and innovative environmental/sustainable

initiatives and programs currently being practised in Canada and around the world. The highlight was an inspirational panel discussion with leaders in this field including the Honourable Stephen Owen, the Honourable David Anderson, the Honourable John Godfrey, the Honourable Rick Thorpe, Mike Harcourt and other distinguished speakers.

Green Infrastructure was the theme for our first seminar on June 11, 2004, which featured speakers on stormwater best management practices, Southeast False Creek development and MMCD green design guidelines. These three topics offered options that would make use of landscaping and trees to manage stormwater runoff within an integrated watershed management approach.

During the October 2004 APEGBC Annual Conference in Whistler we will again sponsor a daylong seminar lineup featuring four speakers on sustainable infrastructure, forest/urban interface fires, microhydro projects and human resources.

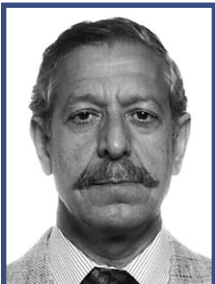
An exciting initiative we are pursuing this year is the development of a clear process with appropriate criteria and guidelines to assist municipal engineers to select engineering consultants for municipal projects. We are extremely pleased to have retained the services of John Bremner PEng to carry out this work for us. Through extensive research on existing engineering consultant selection processes, criteria and guidelines in both the public and private sectors; and a consultation process with a representative sample of municipal engineers, the Consulting Engineers of BC and other potential stakeholders, the final product will be standardized yet flexible and adaptable for municipal engineers to use for their specified purpose.

On behalf of the MED Executive I want to encourage all municipal engineers to join the Division and take advantage of the opportunities to network and learn more about municipal engineering in BC.

Division Executive

Francis Cheung PEng, *Chair* • Donna Howes PEng, *Vice Chair* • Don Brynildsen PEng, *Past Chair* • John Vos PEng, *Secretary* • Tony Barber PEng, *Treasurer* • Paul Archibald PEng, *Director* • Guy Cicon PEng, *Director* • David Duckworth PEng, *Director* • Scott Groves PEng, *Director* • Gary Smirfitt PEng, *Director*

Burnaby/New Westminster Branch



Farmand Ghafari
PEng, *Chair*

The Burnaby/New Westminster Branch had a very successful year with seven events scheduled. It began with our first dinner meeting in October with a guest speaker from the Vancouver International Airport Authority engineering department.

In November we toured the Burnaby incinerator and cogeneration plant, which due to its popularity was followed immediately by a second tour. One of our most interesting tours was held in December at the Bridge Film Studios in Burnaby where members had a chance to see and visit the special effects and sound stages as well as behind-the-scene activities for some of the most recent television series and feature films such as *Stargate*, *Jeremiah*, *Snow Dogs*, etc.

Our second dinner meeting in February featured a presentation on life and fire safety in buildings. Unfortunately our MLA dinner scheduled for March had to be cancelled due to last-minute changes and scheduling conflicts. This item is still on the agenda and the new Executive will follow through.

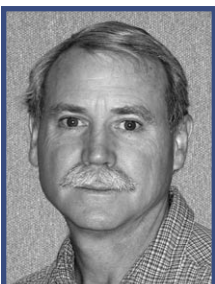
We cohosted the President's and Executive Director's visit with the Tri-City Branch in April, where members were updated on the latest happenings and activities of the Association. The President presented three PEng certificates at this dinner meeting. Our last tour of the year was a visit to the Granville Island Brewing Company in May. We concluded the year with our AGM in June with a guest speaker from BC Hydro on "net metering" or how generating your own clean energy will cut down your electricity bill.

Thanks to the Executive for volunteering their time, given everyone's busy schedule and work and family commitments. I would also like to thank our Council liaison, Margaret Li PEng, for her continued support; Sandra Lee of the Association for her helping hand and availability to answer our questions and provide guidance when needed; and the membership for their participation.

Branch Executive

Farmand Ghafari PEng, *Chair* • Alana Hanert PEng, *Past Chair* • Chris Gardner EIT, *Vice Chair* • Zeljko Cecic PEng, *Secretary and Newsletter Coordinator* • Jarrod House EIT, *Treasurer* • Margaret Li PEng PhD, *Council Liaison* • Hugh Fraser PEng • Paul Huynh EIT

Central Interior Branch



David Pow PEng,
Chair

The Central Interior Branch has been busy this year with numerous activities. At the APEGBC AGM in Penticton last October, two local members received awards from the Association: Harry Gairns PEng (Community Service Award) and Vladimir Pasichnyk PEng (Professional Service Award).

In November we held our local AGM, where Executive Director Anne Garrett PEng spoke at the luncheon. In February Anne held a meeting with Charles Jago and had lunch with members of the Branch Executive. In March Ed Dylkie of Canfor gave a presentation on the Prince George Pulp green power generation project. We toured the expansion of the Prince George Airport in April and in May Bob Parolin PEng and I represented the Branch at the Branch Reps meeting at the APEGBC head office in Burnaby.

Also in May the Branch Executive was invited to a luncheon meeting of the local branch of ASTTBC, where Executive Director John Leech ASCT gave a presentation on professional recognition and practice for ASTTBC members as well as an update on the merger with APEGBC. We rounded out the year with a professional development seminar by Moreen Singh on "Business Strategies for Sole Proprietors and Small Firms" in August.

Branch Executive

David Pow PEng, *Chair* • Bob Parolin PEng, *Vice Chair* • Vladimir Pasichnyk PEng, *Past Chair* • Nini Long EIT, *Secretary* • Jim Sosiak PEng, *Treasurer* • Mike Tkachuk PEng, *Council Liaison* • Laura Bakermans PEng • Colin Dix Limited Licensee • Jennifer Fowler (MAPS) • Albert Koehler PEng PhD • Lane Logan PEng

East Kootenay Branch



**Karl Unger PEng,
Chair**

This year has been a success for our Branch, accomplishing many of the objectives set last year. Some of the highlights follow.

In late August the Executive and Branch members made a presentation to the BC Mining Task Force field trip chaired by the Honourable Dr Ralph Sultan PEng MLA. Our presentation focused on issues of exploration and mining,

and presented recommendations to the Task Force.

At the beginning of the school term the Branch completed an application to NSERC's PromoScience program for sponsorship towards the promotion of science in the school system; unfortunately we were unsuccessful.

After many discussions in the past we held a successful joint East/West Kootenay Branch event, which included a tour of Creston Brewery followed by a barbecue with an opportunity to taste the brewery's beverages. Many thanks to the Executive and members of the West Kootenay Branch for their work in organizing this event.

The President's visit in June was another successful event at which we toured the Stikine Gold Sullivan Deeps project. Paul Ransom, project geoscientist, gave a presentation on the history of geological research in the Cranbrook/Kimberley area, after which we toured the drill platform. The project will involve drilling a 2,400 m hole in search of an ore body located north of Kimberley's famous Sullivan mine. Pat Bell, Minister of State for Mining, and Columbia River-Revelstoke MLA Wendy

McMahon toured the site in June. We believe that this represents in part a renewed interest and, to some extent, an affirmative response to the Mining Task Force presentation noted earlier.

The Branch assisted in judging at the 2004 Science Fair in March. As always, competition was stiff and judging the presentations proved to be a very challenging task.

Branch members continued to work with schools and regional organizations by giving presentations on engineering and geoscience to many young potential members. These events have always been the most enjoyable activities within the Branch.

A popsicle stick bridge-breaking contest was not held this year although it is a goal for next year. In addition, the Branch successfully raised \$1,000 for two \$500 scholarships, meeting another goal. These will soon be awarded to two students enrolled in the first year of an engineering or geoscience university program.

The 2004/2005 goals for the Branch continue to include providing better access to Executive meetings for members throughout the area. Recruitment of new Executive members remains a challenge. On the social front, we plan to hold more joint West/East Kootenay Branch events as well as local social events.

Branch Executive

Karl Unger PEng, *Chair* • Mike Bapty PEng, *Secretary/Treasurer* • Russ Kinghorn PEng, *Council Liaison* • Sean Abram PEng • Chuck Downie PGeo • Brad Nelson PEng • Steve Weatherall PEng

Fraser Valley Branch



**Herb Locke PEng,
Chair**

This past year, the Fraser Valley Branch continued our core program including dinner meetings, social events and information sessions. Our attendance was generally strong and in the top three of all the Branches, and we confirmed that e-mail notification was the most effective means of communicating with Branch members. We also did a test run with APEGBC's online registration and payment system and provided feedback.

We held six dinner meetings, one social event and the annual President's visit with Bill Gilmartin PEng and

Executive Director Anne Garrett PEng, which included an update on the APEGBC/ASTTBC merger. Our dinner meetings included presentations on LEED from the City of Vancouver, emergency response preparedness from the City of Langley, earth observation systems from MacDonald, Dettwiler & Associates, invisible forensic science from BCIT, and legal aspects of expert witness and updates on construction/contract law by Bull, Housser & Tupper. The last item is becoming an annual event and has always been well attended and informative for all members.

On the community activity front we sponsored the 12th annual Fraser Valley Regional Science Fair in Abbotsford, participating with the Career Awareness Committee and MathCounts. Thank you to the

Fraser Valley Branch CONTINUED

volunteers for providing their time and energy to be involved with the community. The 12th annual APEGBC golf tournament was, as usual, a sellout with a fantastic dinner and great golfing.

We pushed forward on the development of a local Branch CPD program that allows input from members to help continue to meet their professional goals and challenges. We also had a successful interactive session where affinity program member suppliers were invited to provide an overview of member service benefits.

The Branch's plans for 2004/2005 are to continue to provide dinner topics of interest and to work with APEGBC head office to help deliver CPD courses and programs relevant to member professional development.

Finally, we encourage active participation and need

to fill the following positions: newsletter writer, communications coordinator, tour facilitator and professional development coordinator to help the Branch continue to grow and provide value to members. From all of us, thank you for another exciting year.

Branch Executive

Herb Locke PEng, *Chair* • Ron Weismiller PEng, *Vice Chair* • Scott Campbell PEng, *Past Chair* • Allan Heinrich EIT, *Secretary/Math Counts Coordinator* • Francisco Perello PEng PhD, *Treasurer* • Phil Cunningham PEng, *CPD Coordinator* • Arthur Doerksen PEng, *FV Regional Science Fair* • Steve Pukanich PEng, *APEGBC Golf Tournament* • Scott Maynard PEng

Northern Branch



Erin O'Brien PGeo,
Chair

The Northern Branch had another modest but successful year. The Executive noticed that event planning went much smoother compared to last year when everything was new to us. We are definitely ready for more challenges in the upcoming year and hope to expand our work beyond our members and further into our northern communities. We began this process by

inviting members from ASTTBC to join us for each of the three events we held in the 2003/2004 year.

Our first event took place on September 27 at the North Pacific Historic Fishing Village in Port Edward. The North Pacific is the oldest standing cannery village on the BC coast, having opened in 1889. We held a meeting on the sunny deck overlooking the water and then completed a guided tour of the facility, which included a running demonstration of the entire antique canning machinery. This fascinating tour was followed by a gourmet salmon barbeque dinner and a presentation by John Mikkelsen from UBC's Department of Mechanical Engineering, who updated us on the proposed engineering practicum centre planned for Kitimat.

Our second event was the second annual Kitimat tour and dinner sponsored by Alcan Primary Metal BC and Eurocan Pulp & Paper on March 5, with 85 members and spouses attending. After the meeting we offered participants a choice of two tours: one of the Eurocan Pulp mill or, in honour of Alcan's 50th year in Kitimat, a tour of the

aluminum smelter. The tours were followed by a buffet dinner and Mike Long PEng entertained the group with a presentation on Alcan. Rumour has it that Alcan and Methanex will sponsor next year's event, which we are already looking forward to.

On April 13 President Bill Gilmartin PEng and Executive Director Anne Garrett PEng visited the Golf and Winter Club in Kitimat to provide an information session and to answer questions from Branch members. The Northern Branch Executive was re-elected and we would like to welcome Bill Kelly PEng as the new Chair while I retire to fill the Past Chair position.

The Branch's goal for the upcoming year is to promote the disciplines of engineering and geoscience in our northern communities. To facilitate this we plan to promote Engineering and Geoscience Week by sponsoring a popsicle or spaghetti bridge contest and/or a science fair. Anyone with ideas for an upcoming event (tour or guest speaker), or interested in volunteering their time to help plan an event, are asked to contact Erin at eobrien@golder.com or (250) 639-8633.

Finally I would like to thank the Executive members at large and our volunteers for all their efforts in planning the events, Sandra Lee for helping to facilitate the events, and our sponsors for their incredible generosity.

Branch Executive

Erin O'Brien PGeo, *Chair* • George Hayes PEng, *Vice Chair* • John Johnston PEng, *Secretary* • Dave Wolfe EIT, *Treasurer* • Barrie Creelman PEng • Sandra Devic PEng

Peace River Branch



**Darian Clark PEng,
Chair**

The first event held in 2003/2004 was the Branch AGM in November, where a new Executive was selected. Approximately 15 members attended. Soon afterwards a planning session was held to set a timeline for tours and events for the year.

The first event in 2004 was the Branch's sixth annual popsicle stick bridge building contest in March, which was well attended

with about 60 teams participating. The rules were modified slightly this year to allow greater weights to be held by the bridges, which may have created more interest from the students. The event was a big success with good publicity for the Branch and Association. Thanks to all the volunteers who made this event possible.

A visit by the APEGBC President and Executive Director on March 4 was well attended by about 23 members. We took a tour of a Duke Energy gas processing facility located in Taylor prior to the evening's presentations.

In April an evening financial planning seminar with an optional dinner was attended by 15 members and spouses. Thanks to Brad Brain, a local certified financial planner, for giving the presentation.

In May we held a workshop on the drinking water

regulation update. Topics were applicable to construction work camps, subdivision developers, municipal engineers and consulting engineers. Although the event was not sponsored by the Branch, Vice Chair Kevin Wiens PEng was involved in organizing and inviting members.

For the remainder of the year, we intend to support the Planning Institute of BC's Central North Chapter conference in Fort St John called "Watershed Management: Innovations and Challenges in Northern BC." We would also like to tour one of the local wood or gas processing facilities in the Fort St John or Dawson Creek areas.

Finally, two representatives from the Branch will attend this year's APEGBC AGM in Whistler. To cap things off for the year, we will hold our Branch AGM in Fort St John in late October or early November.

A big thanks to members in the area who choose to come out and support events as well as to volunteer some of their time organizing events. These efforts are very much appreciated.

Branch Executive

Darian Clark PEng, *Chair* • Kevin Wiens PEng, *Vice Chair* • Don Cameron PEng, *Secretary* • Francesca Adriano EIT, *Treasurer* • Alan Good PEng, *CPD Coordinator* • Jim Jarvis PEng, *Fort St John Representative*

Sea to Sky Branch



**Scott Curry PEng,
Chair**

Our ambitious Branch Executive organized a wide array of tours, meetings and presentations over the past year, even with the remote distances involved for a few of the coordinators.

In the fall we faced challenges in our newsletter, spotlight and career awareness committees, which impacted our communications with the membership and

community. As an interim step, the Executive shouldered certain tasks and placed others on hold; we continue to look for new volunteers to help with various functions and committees. With dedicated support from many behind the scenes, we have maintained the delivery of several exciting events.

During the past year we hosted 11 events involving over 300 members. These meetings are excellent for

maintaining contact and improving awareness on both the community and technical levels. Given our initial challenges, we were successful in reaching across a variety of disciplines to connect with seasoned engineers and geoscientists as well as new members. Each Executive volunteer has helped directly from the planning to the implementation stage for the various events. Without a doubt our Executive has a "can do" attitude, diving in to support the administrative hurdles for running meetings, obtaining gifts, coordinating speakers, rescheduling venues, etc.

Our key communication tool has been the Internet. Our Branch website is updated monthly with upcoming events and registration to keep us on track; however, we still must reach about 10% of the membership via postal mail. We are still experiencing some bumps as we attempt to connect with all members but, over time, we hope to reach everyone on an electronic basis.

This year the Branch continued to be well involved in the community, especially during National Engineering

Sea to Sky Branch CONTINUED

and Geoscience Week with our fourth annual popsicle stick bridge and MathCounts competitions.

On February 7 over 450 grades 8 and 9 students in 111 teams participated on Vancouver Island and in the Lower Mainland in regional MathCounts chapter contests. The SFU Mathematics department, the Faculty of Applied Science and APEGBC supplied the infrastructure. Thanks to the approximately 120 volunteers including 67 APEGBC members, 20 BCAMT members and 33 students for contributing the time and effort to make this event a wonderful success.

In early January 120 popsicle stick bridge kits were distributed to the North Vancouver, West Vancouver, Squamish, Whistler, Gibsons and Sechelt districts. On February 28, 30 bridges were destroyed in three categories — 19 elementary, 3 secondary and 8 open — with maximum breaking forces of 788N, 1499N and 1496N respectively! The success of this event is due to the contestants, spectators, 16 volunteers and 10 sponsors.

The Branch AGM featured both Bill Gilmartin PEng and Anne Garrett PEng with a lively discussion on the upcoming APEGBC/ASTTBC merger.

Thank you to the Executive for their energy and involvement in making this a successful year in the face of sometimes overwhelming communication and commitment challenges. Special thanks to Bill Vaughan PEng and Vivian Vaughan for hosting the annual barbeque and Treasurer Mamoud Bashi PEng for assisting with all the meetings and coordinating two events as well.

Branch Executive

Scott Curry PEng, *Chair* • James Blake PEng, *Vice Chair/Web Page* • Max Kazemi PEng, *Past Chair* • Sean Puchalski, *Secretary* • Mamoud Bashi PEng, *Treasurer* • Lindsay Bottomer PGeo, *Council Liaison* • Des Williams PEng, *MathCounts* • John Morgan PEng, *MathCounts/Outreach* • Verona Wong EIT, *Popsicle Bridge Contest* • Mike Bakst PEng • Ray Cumberland PEng • David Fung PEng PhD • Bob Gerath PGeo • Bill Green PEng/PGeo • George Harford PEng • Brian Hughes PEng • Mike Murrell PGeo • Stephen Stepic • Gilles Therrien PEng • Bill Vaughan PEng

South Central Branch



Kevin Turner PEng,
Chair

Although the South Central Branch had fewer meetings in 2003/2004 than the recent past, it was nonetheless a productive year. Part of this probably stemmed from the new Branch Chair “getting his feet wet.” Nonetheless, we believe we have renewed somewhat the membership’s interest in Association affairs this past year.

Lunchtime meetings proved to be the most popular meeting format this year. In February we had 75 members and members of the public attend a presentation on the effects of the October 2003 storm event on the recently burned areas within the City of Kelowna. Don Dobson PEng, who was involved in the hazard risk assessment and fire rehabilitation efforts on behalf of the City, made the presentation. A presentation by Paul Blackett ASCT on the pending Groundwater Protection Regulation was informative and also well attended.

The Branch jointly facilitated, with the University College of the Cariboo, its first popsicle stick bridge building contest during National Engineering and Geoscience Week in early March. The response from the

community was overwhelming, with over 54 entries from people aged 7 years to seniors. The event was well covered by the local media and obtained good exposure to professional engineering. The bridge loading apparatus and real-time digital loading displayed on the closed-circuit TV set up by the university’s Electronics and Engineering Department was impressive. Special thanks are extended to Don Noakes PEng, Ben Giudici PEng and Henry Reiser from UCC as well as Jeff Holm PEng and Andrew Watson PEng of the Branch for their efforts in organizing this event. Much was learned and planning for next year’s event is already in progress.

A pub night was organized in early June to discuss the draft practice guidelines for registered engineering technologists for civil and structural services. Although attendance was low, the meeting subsequently sparked considerable interest in this important issue and the format proved to be a worthy means of gathering members together to discuss current issues.

In response to a Branch concern, the Executive arranged a questionnaire to poll Branch members about their needs and preferences with respect to professional development opportunities. The information from the questionnaire is being collated and will be reported to

South Central Branch CONTINUED

the Branch and APEGBC by the fall.

We coordinated the President's visit with the Okanagan Branch to host a presentation by Anne Garrett PEng and Bill Gilmartin PEng on the state of APEGBC affairs both at a luncheon meeting in Salmon Arm, where a large portion of our members reside, and at the regular dinner meeting in Kamloops. Attendance in Salmon Arm was notably high. While in Kamloops, Anne and Bill visited Don Noakes PEng at UCC and discussed the planned expansion of the engineering transfer program, where Year 2 electrical/computer engineering will be offered in partnership with UBC.

No volunteer organization can succeed without the dedication of its Executive and the contributions, interest and involvement of its members. Thanks to the Branch Executive for their time, commitment and patience, and to all members who took the time to attend the general meetings, events and discussions.

Thanks also to Andrew Watson PEng and Pat Triggs PEng for their ongoing involvement and interest in Branch Executive activities, and to Jeff Holm PEng, Council Member, for keeping us regularly apprised of APEGBC affairs and for his considerable volunteer time. I would also like to acknowledge the efforts of Matt Davis EIT, Deven Matkowski EIT and Marjorie Serack PGeo for their involvement this past year.

Branch Executive

Kevin Turner PEng, *Chair* • Andrew Watson PEng StructEng, *Past Chair/Treasurer* • Jeff Holm PEng, *Council Liaison* • Pat Triggs PEng, *Secretary* • Gordon Antenbring PEng • Matt Davis EIT • Don Funk PEng • Deven Matkowski EIT • Marjorie Serack PGeo • Victor von Maydell PEng

Vancouver Branch



**Jo-Ann Moore PEng,
Chair**

The Vancouver Branch had a busy year, holding nine functions including dinner meetings, tours, special presentations and, for the first time, a breakfast seminar.

In September and October 2003 various members were involved in several UBC Industry Nights in coordination with Shelley Lebar, APEGBC's Student Program Coordinator. In October, a full complement of members attended the Molson Brewery tour, which included appetizers and refreshments. In November John Eastman PEng of TransLink spoke to over 100 members and new certificate holders about the proposed RAV line project in preparation for the 2010 Olympics. Another successful EIT/GIT information seminar was also held in November with Elvis Riou PEng and members acting as advisors for the various disciplines.

In February the Branch kicked off the new year with an interesting tour of Canada Post's highly mechanized letter handling plant in downtown Vancouver, a first for Canada Post. March 8 was the Branch's eighth annual Engineering Festival for NEGW at the Vancouver Public Library with continued support from Dayton & Knight, VPL's Science and Technology Department and GEERing Up! as well as other presentations from UBC student projects.

The President's visit in May was well attended with

Bill Gilmartin PEng and Anne Garrett PEng presenting certificates and updating members on Council activities and the current issues facing the Association, including the much-debated merger. Our Branch held its AGM in May at which we elected a new Executive.

In June we held our second brewery tour of the year at Granville Island complete with beer tasting. The Branch's first successful breakfast seminar with Murray Bond PEng on branding was also held in June.

The goals of the Branch in 2004/2005 are to increase attendance at events by promoting APEGBC's online registration and payment system for events, introducing more cohesiveness for event announcements among the various communications media, and providing more breakfast seminars. The Branch's planning subcommittee has already proposed a schedule of events for next year.

Finally, the Branch cannot function without the support of members who volunteer their time freely. Special thanks to Ian MacDonald PEng, Clarence Wong PEng, Andy Balser EIT and Anna Duong EIT for their support during the year. Thanks also to Claudio Arato PEng, our Council liaison, for his continued support of Branch activities. And lastly, thanks to the continuing members of the Branch Executive for their support. We continue to encourage active participation and seek volunteers to give a bit of their time to help support Branch activities and increase member value.

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Vancouver Branch CONTINUED

Branch Executive

Jo-Ann Moore PEng, *Chair* • Ian MacDonald PEng, *Vice Chair* • Richard Harris PEng, *Past Chair* • Clarence Wong PEng, *Secretary/Member Services* • Leonard Pianalto PEng, *Treasurer* • Claudio Arato PEng, *Council Liaison* • Ali Sanaie EIT, *Web Page Editor* • Andy Balser EIT, *Newsletter Editor* • Anna Duong EIT, *Newsletter Editor/Support* • Milan Fischer PEng, *CPD/Newsletter Support* • Chris Yoo PEng, *Tour Director* • Andreea Toma

EIT, *Tour Coordinator* • Richard Duncan PEng, *Tour Coordinator* • Greg Julian PEng, *Speaker Coordinator* • Derek Schick PEng, *Meeting Coordinator/Sustainability Communications Rep* • Ulf von Dehn PEng, *Correspondent* • Gordon Lindsay PEng, *EIC Liaison* • David Binner EIT, *Career Awareness Coordinator/MathCounts* • Angela Ho (MAPS), *EUS PR Officer* • Robert Baikie EIT, *UBC Student Rep* • Balaram (Bill) Ghosh PEng • Eric Lalli PEng • Raz Seyednejad EIT

Vancouver Island Branch



David Vincent PEng,
Chair

The Branch sponsored five dinner meetings that were well attended and addressed a variety of topics including important local issues. We also hosted a successful President's visit and introduced Anne Garrett PEng to the Branch and its issues.

Events that were especially well attended included coal bed methane development in the Comox-Courtney area, upgrading

the Ladysmith sewage treatment system using a leading edge and locally developed technology based on electromechanical rather than biological processes to achieve a high quality effluent from a very small plant site, and forest fire planning and management lessons learned from last summer's experience in the interior and applied on Vancouver Island.

In addition, we held our successful annual golf tournament in Duncan and again participated in the annual popsicle stick bridge building contests with sponsored events in both Courtney and Nanaimo. The Branch encourages continuing professional development and, with the assistance of APEGBC's Janet Sinclair, we offered a CPD course in Nanaimo.

Along similar lines, the Branch is supporting the development of a technical resource library based in the Nanaimo Branch of the Vancouver Island Regional Library. These materials are available to Island members through their local branches on the Island or the Queen Charlotte Islands. Several significant additions were made this year and we solicit requests from local engineers and geoscientists for references that should be added to the collection.

The Branch expanded the annual scholarship awards to deserving students intending to enter an engineering or geoscience program after attending

Malaspina College for one or two years. This year we granted two awards for \$750, which is up from the single annual \$500 award from past years. The awards are supported by sponsorship funds and raffles at Branch events. Our thanks to Terasen, Martyn Engineering and EBA Engineering.

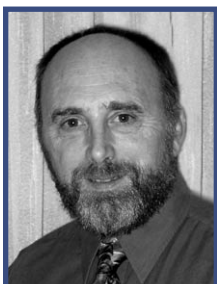
The Branch Executive has had some difficulty attracting EITs/GITs and recent registrants and, as a result, targeted programs for this demographic have not materialized. Efforts are underway to broaden the Executive to include more diversity both in discipline and age group so that Branch activities better reflect their needs of EIT/GITs. Anyone interested in assisting the Branch is encouraged to step forward.

We gratefully acknowledge the important contributions of our volunteers and sponsors, and express our appreciation to the Executive and all members who, by participating, help to shape the direction of our Branch and Association.

Branch Executive

David Vincent PEng, *Chair* • John Hofman PEng, *Vice Chair/CPD /Library/New Members* • Dan Hooper PEng, *Past Chair* • David Flynn PEng, *Treasurer/School Liaison* • Blair Flebbe EIT, *Port Alberni* • Bob Hoffstrom PEng, *Nanaimo* • Kevin Lagan PEng, *Courtney/Comox* • Ron Parker PEng, *Golf Tournament/Duncan* • Dave Shillabeer PEng, *Parksville /Qualicum* • Richard Avedon-Savage EIT • Del Ferguson PGeo

Victoria Branch



Greg Beaveridge
PEng, *Chair*

The past year has been very rewarding for the Victoria Branch as we were able to continue the programs and objectives established by previous Executives as well as undertake some new initiatives.

Among the many highlights was the continuation of a series of fine speakers arranged by Tom McLean for our dinner meetings, resulting in a strong turnout of

local engineers and geoscientists.

Speakers included Dr R Gifford on the liveability of our building environment, Michael Cormier on Victoria harbour development, Rick Quinn on advances in remote mapping, David Anidjar-Romain PEng on seismic engineering, David Halliday PEng on designing and building astrophysical telescopes, Dr Elizabeth Griffin on the spectroscopic virtual observatory, Atholl Sutherland Brown PEng on the development of geological exploration and tectonic mapping in the Queen Charlotte Islands, and Adrian Round on the VENUS and NEPTUNE undersea projects in Victoria.

We have continued to manage the Talbot Memorial Fund and awarded a \$500 bursary to a University of Victoria engineering student.

APEGBC embarked on a program to keep the provincial government informed of the many initiatives within our organization and we hosted the first annual MLA night in November with MLAs Jeff Bray and Ida Chong.

The Branch continued to sponsor the University of Victoria School Science Fair, which helps to introduce

engineers and geoscientists to school aged children; Dave Bevan PEng organized the judging. Jan Buermans PEng chaired our MathCounts Committee with continued success in promoting this math competition among local high schools.

Another recurring highlight is the presentation of Gold Foils by Bill Fraser PEng, who introduces each recipient engineer and geoscientist with rich background on their careers.

I would like to give thanks to Joyce Liu EIT and Cari Wells EIT for the great *4th Dimension* newsletter and to Sandra Taylor PGeo and Gord Porritt PEng for arranging our special events. I would also like to thank Barry Brooks PEng for the certificate presentations as well as Henrik Jacobsen PEng and Aurelia Jacobsen, who provide and present our dinner speakers with original art.

My year has been very rewarding and I would especially like to thank incoming Chair Joshua Hayes EIT, who has guided us as Treasurer, for his support. I wish Josh and the Branch continued success.

Branch Executive

Greg Beaveridge PEng, *Chair* • Joshua Hayes EIT, *Vice Chair/Treasurer* • Jan Buermans PEng, *Past Chair* • Sandra Taylor PGeo PhD, *Secretary* • Tom McLean PEng, *Speakers, Papers* • Gord Porritt PEng, *Events Coordinator* • Bill Fraser PEng, *Gold Foils* • Barry Brooks PEng, *Certificates* • Joyce Liu EIT, *Newsletter* • Cari Wells EIT PhD, *Newsletter* • Mike Achtem PEng • James Bernaldez PEng • Dave Bevan PEng • Henrik Jacobsen PEng • Randal Slade PEng

West Kootenay Branch



**Beckett Gray PEng,
Chair**

The West Kootenay Branch has had another busy year and the following events kept our calendars full.

Last December during our Branch AGM we had a very informative presentation on Teck Cominco's environmental issues and accomplishments. On a cold wintry night in January our Branch had an "after" tour of the Keenleyside Dam on the Columbia

River; a "before" tour had taken place during construction. Ski Night happened in Salmo this winter; it was unfortunately a rainy day but despite the small turnout all participants had fun.

The Ministry of Transportation & Highways provided an enlightening session on its plans for large scale projects in BC as well as projects in the West Kootenay area. In March we had a presentation on financial planning; all in attendance can attest that they walked away with some ideas on what to do with those extra pennies.

This year we held our first annual popsicle stick bridge building contest, which generated lots of local

interest as well as involvement from many enthusiastic engineers of the future. Next year will be even better. Thanks to the East Kootenay Branch for the use of their bridge loading device.

We had a very successful turnout for a tour with our East Kootenay counterparts at the Columbia Brewing Company in Creston, and another good turnout during the President's visit in June.

Many thanks to those who made our events so successful including Mark Edwards (Teck Cominco), Jacques Dupas PEng and Chad Tenney PEng (Ministry of Transportation & Highways), Deb Bayoff CFP (Affolter Financial Group), Ralph Lunn PEng (bridge contest organizer/Celgar Pulp Company), Graham Kendall and Dave McAnerney (Columbia Brewing Company) and, of course, the Branch Executive.

Branch Executive

Beckett Gray PEng, *Chair* • Martha McLean EIT, *Vice Chair* • Paul Meyer PEng, *Past Chair* • Tim Charman PEng, *Treasurer* • Tony Salway PGeo PhD, *Council Liaison* • Norm Deverney PEng • John Mobbs PEng • Allan Moreau PEng • Peter Pistner PEng • Rich Thorpe PEng