



Supplementary Report

- Committees, Task Forces and Boards
- Divisions and Branches

Year in Review
2002 • 2003

The Association of Professional Engineers and Geoscientists of British Columbia

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The *Year in Review 2002/2003 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 2002/2003* 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 2003 issue of *Innovation*.



Cover photo of Macdonald-Cartier Bridge by Vic Anderson PEng of Delcan.

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Vice President

Bill Gilmartin PEng

Past President

John Watson PEng

Councillors

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O'Brian Blackall BCLS

Lindsay Bottomer PGeo

David Chwacklinski PEng

Jeff Holm PEng

Herman Hui PEng

Nicole Kohnert PEng

Margaret Li PEng PhD

Hiromi Matsui MSc

James Provan PEng PhD

Tony Salway PGeo PhD

Tim Smith PGeo

Michael Tkachuk PEng

CCPE DIRECTORS

Colin Smith PEng

John Watson PEng

CCPG DIRECTOR

Steve Sibbick PGeo



Gordon Springate
PEng, Chair

APEGBC/ASTTBC Joint Task Force on Strategic Alliance

This Task Force was struck by Council to determine the possibility of an alliance with the Applied Science Technologists and Technicians of BC. During this process, many potential conflicting aspects of a proposed merger were identified and investigated.

Subcommittees looked into finance and accounting, staffing implications, rights and definitions of practice, and bylaws and governance. Consultations were held with other engineering groups including CEBC, CCPE and other provincial associations. A referendum was conducted by both APEGBC and ASTTBC to ensure that their members supported an amalgamation of the two organizations. Our membership voted 73% in favour of proceeding with a merger.

Our Council has been kept informed of the progress of the Task Force, which believes that its mandate has now been fulfilled. Its final two actions were to request that the Strategic Alliance Task Force be stood down, and that a new Task Force be struck with a mandate to ensure the merger proceeds in a timely fashion to the benefit of APEGBC members.

Council has been provided with recommended terms of reference for the Merger Implementation Task Force. The exercise has been extremely interesting, with great cooperation from all members of the Joint Task Force.

Task Force Members

APEGBC

Gordon Springate PEng EdD, *Chair and APEGBC Facilitator* • Bill Gilmartin PEng, *Vice President* • John Watson PEng, *Past President* • Tony Salway PGeo PhD, *Councillor* • Colin Smith PEng • John Bremner PEng, *Executive Director & Registrar* • Jeanine Goodison, *Senior Secretary to Executive Director*

ASTTBC

Tim Murphy ASCT, *President* • Keith Switzer ASCT, *Vice President* • Hugh Dobbie ASCT, *Past President* • Geoff Sale ASCT, *ASTTBC Facilitator* • Dan Mooney ASCT • Carson Nofle ASCT • John Leech ASCT CAE, *Executive Director*

CEBC

Ian Stewart PEng PhD



O'Brian Blackall
BCLS, Chair

Audit Committee

The Audit Committee is a committee of Council that is responsible for the overall governance of the Association. It is composed of members of Council who do not participate in the management of the Association via the Executive Committee.

The Audit Committee was restructured in 2001 to meet the latest developments in corporate governance and independence standards vis-à-vis the

role of audit committees. Jack Croll MBA FCA, Audit Committee Chair until October 2002, stalwartly led this transformation to fruition. One of the initial challenges was to develop terms of reference that addressed the latest governance issues around independence, audit and assurance standards. Council approved these new terms of reference in October 2002.

The Association's financial recording and reporting requirements reflect its size and the complexities in conveying this information to members and other interested parties. The Audit Committee assists Council in overseeing the Association's financial and non-financial affairs and in properly disclosing the related information.

The Committee is responsible for reviewing and advising Council on the appointment, independence and performance of the external auditors; the scope of external audits; the annual financial statements and notes thereto; management's discussion and analysis statements; and reports of the auditors regarding accounting principles and practices, particularly any recommendations. It is also responsible for advising Council on the financial impact of any undertaking or proposed undertaking that would or could have a material impact on the Association.

The Committee may also be assigned responsibility for evaluating "value for money" expenditures of both a capital or operating nature, reviewing all insurance coverages for the protection of assets or potential liabilities arising from operations of the Association, and other matters that may warrant review.

In fulfilling its obligations, the Audit Committee carried out a thorough review of the financial statements and related information regarding APEGBC's fiscal 2003 period ending June 30, 2003. The Committee reviewed and discussed all relevant issues with Association staff and the external auditors. It also applied a similar review to the audited financial statements and affairs of both the Foundation and the Benevolent Fund. The Committee reported the results of the external audit, and the Committee's review, to Council and recommended approval of the audited APEGBC financial statements [published in the *Year in Review 2002/2003* insert in the September 2003 issue of *Innovation*].

The Committee is confident that it will continue to contribute to the effective governance of the Association and to facilitating implementation of the latest developments with respect to governance assurance standards.

Committee Members

O'Brian Blackall BCLS, *Councillor and Chair* • Herman Hui PEng, *Councillor* • Nicole Kohnert PEng, *Councillor* • James Provan PEng PhD, *Councillor* • Tim Smith PGeo, *Councillor*



Reidar Zapf-Gilje
PEng, *Chair*

Contaminated Sites Roster Steering Committee

The Roster Steering Committee is not an APEGBC committee as it is appointed by, and reports to, the Director of Waste Management of the BC Ministry of Water, Land and Air Protection. It has a secondary appointment by APEGBC Council and is supported administratively by APEGBC staff. This report is for the information and interest of members.

The Roster Steering Committee helps to administer the Contaminated Sites Roster of Professional Experts. Members are appointed to the Roster by the Director of Waste Management and are authorized under the Contaminated Sites Regulation to make recommendations to Ministry 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 2002/2003, the Committee held four general meetings with the full Roster membership to discuss and communicate relevant issues. In an effort to increase transparency and facilitate communication, members of the public are now invited to observe open Roster meetings.

The Roster Steering Committee reviewed and implemented recommendations from its Qualifications Subcommittee, held two

examinations to allow the appointment of new members to the Roster, completed an audit of a professional expert, and provided feedback to the Director of Waste Management on several contaminated sites issues. The Committee also attended a meeting with the Director in Victoria.

As part of the planned changes to the *Waste Management Act* and the Contaminated Sites Regulation, the Ministry is considering replacing the appointed Roster of Professional Experts with an independent board of Licensed Environmental Professionals (LEP). The Committee has received a \$700,000 grant from the Ministry to assist in the development of the LEP system and supporting administrative and scientific tools. Under this funding, the Committee retained a consultant to develop a framework for the establishment of an LEP system in BC and sponsored a workshop to look at a similar system used in Massachusetts. LEP development work will continue through 2004 and part of 2005.

Committee Members

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

Staff

Gillian Pichler PEng, *Director, Registration* • Megan Begley, *Assistant to the Director*



Steve Graham
PEng/PGeo, *Chair*

Employment Standards Task Force

The application of the *Employment Standards Act* and Regulation (1996, amended 2002) to APEGBC members is inconsistent. Engineers and EITs are excluded from coverage under the *Act* while geoscientists and GITs are not excluded except when performing specified tasks. Certain members in the high tech sector are also excluded.

The mandate of the ESTF, formed in September 2001, is to review the *Act* to determine whether amendments, where they concern members of APEGBC, are required. An amended *Act* was released in May 2002 but did not include changes to exclusions of professionals. It did, however, provide for flexibility in hours of work while still requiring payment for all work done. This change addressed the major issue of concern for the inclusion of engineers. The Ministry plans to review the issue of professional exclusions this fall.

In October 2002, APEGBC Council forwarded the ESTF's recommendations to the Ministry during the brief period provided for public comment. In general, the ESTF recommended full inclusion of all nonmanagement members so that there is consistent application of the *Act* to APEGBC members. At the 2002 AGM, a motion

was proposed by some members in the consulting sector that APEGBC's recommendations to the Ministry be withdrawn; this motion was defeated.

During 2003/2004, the ESTF expects to continue liaison relating to Ministry policy on the inclusion of APEGBC members in the *Act*. The ESTF has also posted information on this subject on the APEGBC website to help members become familiar with the *Act*.

Task Force Members

Steve Graham PEng/PGeo PhD, *Chair* • Hiromi Matsui MSc, *Councillor* • Tony Salway PGeo PhD, *Councillor* • Lianna Mah PEng • Roy Siebold EIT • Sherman Wong PEng

Staff

Wayne Gibson PEng, *Director, Communications* • Gillian Pichler PEng, *Director, Registration* • Megan Begley, *Assistant to the Director*



Richard Hancock
PEng, *Chair*

Registration Task Force

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

Work on developing and enhancing the EIT/GIT program continued. The aim is to make the EIT/GIT period more effective in developing the professional, and more significant in enhancing the start of his or her career. These programs are also

under active review in other provinces and countries, and APEGBC is participating in a national committee on EIT programs.

The main project for this year was the review of issues relating to the Professional Practice Exam (PPE); specifically, to: 1) ensure exam questions are relevant and clarify ambiguous questions, 2) examine the body of knowledge currently used and recommend additions/changes, 3) review the topic weighting, and 4) review the seminar and website materials and link to the PPE.

This work resulted in a new BC Exam for the July 2003 exam sitting. The exam results will be analyzed and used to set the October 2003 and subsequent exams. A process is also being developed for a viable National Users Group to set and steer a National Exam based on the developing BC modifications. Additional resource members were added to the Task Force to assist in the PPE review.

For the EIT/GIT program, electronic reporting and review of

experience was developed to replace the unwieldy logbook, and to provide ongoing guidance and verification to EIT/GITs as they gain experience. A pilot project was completed in April 2003 and the new system was made available to all EIT/GITs and senior student members at that time. Other items in the work plan are:

- Continuing professional development requirements for EIT/GITs are still being considered; the CPD program is addressing many of the identified needs. Additional data on the participation of EIT/GITs will be reviewed.
- Reviewing structured EIT/GIT experience programs including individual company programs in BC, best practices in other jurisdictions and certification of company programs.
- A career planning program/manual for EIT/GITs.

Task Force Members

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

Staff

Gillian Pichler PEng, *Director, Registration* • Elvis Riou PEng, *Deputy Director, Registration* • Megan Begley, *Assistant to the Director*

PPE Review Assistance

John Haythorne PEng LLB • Lianna Mah PEng • Andy Mill PEng • Angie Freedman, *SER Program Coordinator*



Leon Bell PEng,
Chair

Structural Qualifications Board

The Structural Qualifications Board has had an extremely busy year culminating with the honour of presenting Structural Engineer of Record (SER) certificates and seals to our first group of engineers who successfully completed the program. During the past year, the Board has:

- Developed a two-part BC Codes and Practices Examination. Exam preparation seminars were held in

Vancouver, Victoria and Kelowna with an attendance of 38. Of these, 17 candidates wrote the examination, with 12 passing both parts. There is one sitting of the examination each year.

- Selected and trained a group of Oral Examiners. A number of candidates have taken this route rather than writing the IStructE or US examinations; most passed. The oral examination can be taken any time during the year.
- As part of the consultation process, convened a general meeting of interested parties at the UBC Videoconferencing Centre with satellite groups in Victoria and Kelowna.
- Initiated discussions with Washington State to ascertain equivalencies and with the province to include the SER requirements in

the next BC Building Code.

- Prepared a schedule of events for 2003. Important dates include September 26 (application deadline for BC Codes and Practices Exam), November 14 (BC Codes and Practices Exam) and January 16, 2004 (application deadline for 2004 IStructE Exam).

The coming year will include extensive communications with municipalities and client groups to bring them up to date on the SER program. We will also continue to recommend that these groups refrain from demanding the designation until January 1, 2007, at which time a large pool of SERs will be available. At the same time, we will encourage engineers to become SERs sooner than later.

Committee 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 Podlovsky PEng • Gerry Sayers PEng • Robert Simpson PEng • Robert Sexsmith PEng PhD

Staff

Gillian Pichler PEng, *Director, Registration* • Ross Rettie PEng, *Director, Professional Practice and Ethics* • Angie Freedman, *SER Program Coordinator*



**Frank Willis PEng,
Chair**

Act Rewrite Task Force

The *Engineers and Geoscientists Act* was first written in 1920. Since that time, it has undergone several amendments but it remains 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.

This spring, a referendum asked members if they were in favour of including the Applied Science Technologists and Technicians under our *Act*. The positive response has enabled the Task Force to prepare a final draft of the *Engineering and Geoscience Professionals Act* for submission to the provincial government.

Throughout the year, the Task Force has worked on revisions to include the technologists as well as suggestions made by our members. Prior to the June plebiscite, an "almost" final draft was posted on the Association website. Following some wordsmithing and one

major revision — deleting the requirement that firms who practise engineering or geoscience be registered with the Association — a final draft was submitted to the government on July 11, 2003.

The Task Force will remain active to deal with changes as the government legal drafters prepare the new *Act* for ratification, hopefully in 2004. Work will continue on revised bylaws.

Task Force Members

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

Staff

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**Andrew Harmsworth
PEng, Chair**

Building Codes Committee

As Chair, it seems that every year the Building Codes Committee is busier and more productive; this report can provide only a brief summary of activities.

A major project during the past year has been the review of the proposed 2005 National Building Code through the Provincial Building Policy Branch of the Ministry of Children's, Aboriginal and Women's Affairs. Our

Committee discussed proposed changes for Parts 1, 2 and 3 of the current National and BC Building Codes, and submitted these comments through the joint provincial/national comment process.

Further, the Committee and individual members met with Building Policy Branch staff and commented on the process for the new objective-based section of the National Building Code, also due out in 2005. The Committee is currently commenting on the City of Vancouver's proposed new approaches to upgrading requirements for existing buildings.

The Fire Protection Engineering Subcommittee completed the draft *Guidelines for Fire Protection Engineering*, which will strongly complement the objective-based Code. Our members on the City of Vancouver CP Committee have been involved in the development of the revised Certified Professional program.

The Seismic Risk Task Force, chaired by Andy Mill PEng, reviewed and made recommendations to the province on requirements for lateral resistance for small buildings and houses, which currently lack any specific requirements. This work was supported by current research at UBC. I am pleased to report that the province

has indicated these requirements will be incorporated in amendments to the 1998 BC Building Code sometime this year.

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.

These issues have kept the Committee and support staff busy over the past year. I thank all for their hard work and continuing support.

Committee Members

Andrew Harmsworth PEng, *Chair* • James Blake PEng • Gerry Buydens PEng • Rick Cheung 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, *Deputy Director, Professional Practice* • Lina Bowser, *Practice Review Coordinator*



Phil Sunderland
PEng, *Chair*

Building Envelope Committee

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

- 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 in 2003 than we were a few years ago when envelope failures were a hot public issue and APEGBC and AIBC were both actively responding?
- What is the status of problems now becoming apparent with highrise building envelopes?
- Providing input to bodies who revise standards for materials used in the building envelope.
- The status of professional liability and contractor's insurance availability, and its effect on building envelope practice and the protection of the public.
- We have provided two very successful opportunities for continu-

ing professional development in the building envelope field, in cooperation with APEGBC CPD program.

- Durability of construction and its relationship to green buildings.
- Dialogue with the City of Vancouver Building Department with a view to improving their processes for reviewing building envelope submissions.

I would like to thank all members of the Committee for their active participation, 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 • Dave Kayll PEng • Craig Labas PEng • Brian Lee PEng • Bob Martin PEng • Pat McGrath PEng PhD • Steve Moskalyk PEng • Leslie Peer PEng PhD • David Ricketts PEng • Joel Schwartz PEng • Douglas Watts PEng • Avy Woo PEng

Staff

Ross Rettie PEng, *Director, Professional Practice and Ethics* • Carol Lee, *Assistant to the Director*



Steven Keyes PEng,
Chair

Consulting Practice Committee

The Committee enjoyed a productive year as it continued to work on many items that concern the practice and industry of consulting engineering and geoscience.

The Committee has been exploring various options for current provisions for Certificates of Authorization under the *Engineers and Geoscientists Act* through a task force with participation from CEBC.

In particular, an alternative to the Certificate of Authorization has included expanding the practice review process to the organizational (company) level. Terms of reference are currently under development.

The Division of Structural Engineers generously accepted a request from this Committee to update the current version of the *Guidelines for Structural Engineering Services for Building Projects*. After extensive work they have completed a working draft of this document that is now under review.

The Committee struck a task force, with representation from CEBC, to update and expand on the existing *Fee Guidelines* schedule; the proposed revision would encompass *Fee and Procurement Guidelines for Engineering Services*.

Under the Committee's recommendation, APEGBC has issued an additional \$2,000 in funding to develop the *Building Projects*

Practice Manual, whose authorship has included representation from this Committee. The Building Manual Project Committee has since released a final draft and is currently seeking endorsement from its various supporters.

The Committee has maintained representation on the Seismic Risk Task Force. Indirectly, we have continued our involvement in the APEGBC/ASTTBC merger, Structural Qualifications Task Force, structural checking guidelines, Letters of Assurance and municipal liability insurance.

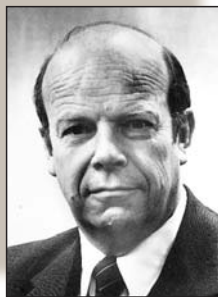
I would like to thank all Committee members and staff for their contributions over the past year. Their efforts are much appreciated.

Committee Members

Steven Keyes PEng, *Chair* • Steve Bruskiewich PEng • Alfred Burgoyne PEng • Phil Johnson PEng • Jim Leader PEng • Paul McGuigan PGeo • Surrender Menrai PEng • Rolf Schmitt PGeo • Nyima Tsundu PEng • Rob Wills PEng

Staff

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



George Prince
PEng, *Chair*

Discipline Committee

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 in 2002/2003, dealing with 12 new case files referred from Investigation for an Inquiry Hearing as well as four files from prior years. To date, 10 of the cases have been concluded — five as the result of Inquiry Hearings where the charges were upheld and a penalty assessed against the members, and five where the members accepted Stipulated Orders. The six remaining cases are in progress and are expected to be concluded by the end of the calendar year.

The number of new cases has continued to be relatively stable over the past five years. An average of 132 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.

Committee Members

George Prince PEng, *Chair* • Ed Hauptmann PEng PhD, *Vice Chair* • Paul Adams PEng • Paul Blanchard PEng • John Cross PEng • Bob Gray 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 EdD • Phil Sunderland PEng • Jerry Vernon PEng • Roy Wares PEng

Staff

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



Bill Donald PEng,
Chair

Environment Committee

During the past year, the Environment Committee proposed revisions to its Terms of Reference along with performance measures. The revised Terms of Reference were approved by Council in June 2003 and the Committee will initiate an annual internal performance review.

During the year, the Committee was engaged in the review and preparation of responses to legislative, regulatory

and policy initiatives of the province. These have included:

- A meeting with Dr Ralph Sultan PEng MLA to discuss a regulatory proposal for streamside protection. Following a technical review, the Committee forwarded its comments to Dr Sultan.
- A meeting with the Ministry of Water, Land and Air Protection and review of several *Waste Management Act* discussion papers. Comments were forwarded to the Ministry on the Compliance and Appeals, Clean Air and Special Waste initiatives.
- Review and comment to the province regarding the proposed provincial storage tank regulation.
- Review of Section 39 of the *Water Act* and meeting with the Director, Water Management Branch to discuss the process and practices required to ensure that Section 39 is consistent with the *Engineers and Geoscientists Act*.

- Review of the Draft Sewage Regulation. A letter was prepared for signature by the President providing comments to the Ministers of Health Planning; Water, Land and Air Protection; and Sustainable Resource Management as well as Dr Ralph Sultan PEng MLA.
- Review of the GVRD's Ashcroft Ranch Landfill Project and a meeting with Andrew Lewis PEng of the GVRD.

I wish to thank the Committee members who offer their time and expertise to serve the Association and its members, and Association staff for their continued support and assistance.

Committee Members

Bill Donald PEng, *Chair* • Randy Alexander PEng • Christopher Boys PGeo • Romilly Cavanaugh PEng • Allan Dakin PEng • Mike Fillipoff PEng • Raminder Grewal PEng • Hugh Harris PEng • John Hollan PEng • John Holland PEng • Steve Knight PEng • Dennis Konasewich PEng PhD • Jack Sekhon PEng • Glen Singleton PGeo PhD • Troy Vassos PEng PhD • Mark Zubeil PEng

Staff

Ross Rettie PEng, *Director, Professional Practice and Ethics* • Carol Lee, *Assistant to the Director*



**Carl Wilson PEng
PhD, Chair**

Investigation Committee

The Investigation Committee reviews complaints initially received and investigated by the Deputy 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.

The revised Complaint Procedure permitting the use of specific subcommittees was successfully used throughout the year to deal with unusually complex complaints. With this procedure, the Committee reviews the complaint and asks a smaller expert group to examine the complaint in detail and submit an indepth report to the Committee for further review. When an Inquiry is warranted, a Notice of Inquiry is forwarded to the Discipline Committee. When an Inquiry is not warranted, the Committee reviews all file closure letters prior to sending them to the appropriate individuals.

As of June 30, 2003, a total of 133 complaint enquiries were received compared to 113 last year. Of those, 78 files were closed without investigation as the complainants did not pursue their complaints. A further 29 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, 12 were forwarded to the Discipline Committee recommending that an Inquiry hearing be held and 12 were closed by the Committee 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 informed of the reasons.

I would like to thank resigning member Lindsay Bottomer PGeo for his efforts in supporting the objectives and responsibilities of the Association. New members appointed by Council during the year are Henry Awmack PEng, Surrendar Menrai PEng and Mark Roozbahani PEng.

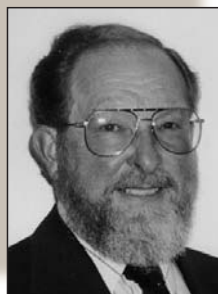
In addition, I thank the Association staff and all Committee members for their guidance, sincerity and commitment in ensuring fairness in the overall investigation process.

Committee Members

Carl Wilson PEng PhD, *Chair* • Henry Awmack PEng • Lindsay Bottomer PGeo • Mac Brodie PEng • Darryl Chambers PEng • Jeff Corbett PEng • George Des Brisay FCA • Jenna Hardy PGeo • John Jenness PEng PhD • Gilbert Larocque PEng • Thomas Leung PEng • Clint Low PEng • Lianna Mah PEng • John Manson PEng • Surrendar Menrai PEng • Mark Roozbahani PEng • Will Trythall PEng

Staff

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



**Dave Magnusson
PEng, Chair**

Practice Review Committee

Over the past year, the Practice Review Committee reviewed 156 files and initiated an additional 192 practice reviews.

The Committee reviewed the Council-approved guideline that dictates the percentage of practice reviews from specific areas of practice to be carried out in a given year, and did not recommend any changes.

The Committee continually monitors the need for additional general and technical reviews based on the nature of members' practices under review. One new technical reviewer and two new general reviewers were approved.

Since the program's initiation in 1994, 854 member reviews have been completed. The majority of identified problems continue to relate to quality control problems and specifically the lack of adherence to APEGBC's Quality Management Bylaw 14(b). A lack of appropriate details in both technical designs and technical reports was also encountered. More issues relating to technical concerns and adherence to the Quality Management Bylaw continue to be identi-

fied in the practices of members working in the structural field than in other disciplines.

During the past year the Committee participated in the development of an Organization Practice Review process. This was prepared as an alternative to enforceable Certificates of Authorization in the proposed revised *Act*, which has been submitted to government. APEGBC Council and the Consulting Engineers of BC both support the implementation of an Organization Practice Review process once the appropriate authority is obtained under the provisions contained in the *Act*. The Organization Practice Review would focus on two aspects of an organization's affairs:

Professional Resources

- Does the organization have on staff the necessary individuals who are appropriately registered, trained and experienced in terms of providing services in the various fields of practice offered by the organization, or does the organization have mechanisms in place to address this need using outside resources?
- Does the organization have adequate facilities and technical resources to support the professional services being offered, or

Practice Review Committee CONTINUED

does the organization have mechanisms in place to address this need using outside resources?

Quality Control Procedures

- Does the organization have in place quality control procedures that meet the requirements of the Association's Quality Management Bylaws?

The Committee continues to discuss with the Division of Structural Engineers their concerns with the proposed draft *Guidelines for Checking of Structural Engineering Designs*.

Council has approved the Practice Review Committee's request to increase its membership from eight to 10, with a quorum being five, which will assist in holding regular Committee meetings and the judicious management of member files.

Based on the Committee's recommendation, Council approved increasing member awareness of sustainability as it relates to their practices by including this topic as part of the practice review process. The first step being taken is to give members an opportunity to become more aware of sustainability issues and the approach APEGBC is taking on this matter.

As part of the process, the general reviewer will confirm whether or not the member has reviewed the *Guidelines for Sustainability*. Any member questions regarding their interpretation of the Guidelines or the application of the Guidelines to their field of practice will be forwarded by the general reviewer to the Practice Review Committee. The questions will then be forwarded to the Sustainability Committee without identifying the member. A response will be formulated by the Sustainability Committee and returned to the member through the Practice Review Committee.

In addition, the member will be given the opportunity in the practice review questionnaire to provide information on how sustainability applies to their particular field of practice, and specific actions they take in implementing sustainability in their practice. All of the above information will be forwarded to the Sustainability Committee on an anonymous basis.

The Practice Review Committee has determined that some particular practice concerns that normally would have been referred to the Investigation Committee can be dealt with more effectively by the Practice Review Committee itself from the perspective of time,

Results of Completed Practice Reviews

	Structural Field (329 in Total)	Geoscience (35 in Total)	All Other Fields Excluding Structural and Geoscience (490 in Total)	All Fields Combined (854 in Total)
In Compliance	67%	94%	86%	79%
Required Improvement	26%	6%	12%	17%
To Investigation	7%	0%	2%	4%

cost and outcome. On this basis, the Committee has initiated Letters of Undertaking that a member would sign in lieu of the file being referred to the Investigation Committee. In signing the Letter, the member agrees to abide by specific provisions contained in the Undertaking. If the member violates any provisions, unprofessional conduct is documented and pursued in the investigation and discipline process.

The Committee recommended that the hourly rate for general and technical reviewers be increased to \$120/hr from \$100/hr as there had been no increase since the practice review process was initiated in 1994. However, due to budget constraints, the recommended increase could not be included in the budget approved by Council.

Finally, the Committee has prepared a new practice review questionnaire that is specifically tailored for geoscientists.

The Committee would like to thank our general and technical reviewers, who play a key role in documenting members' practices. The Committee also thanks APEGBC staff Peter Mitchell PEng and Lina Bowser for their ongoing support to the Committee and day-to-day administration of the program.

Committee Members

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

Staff

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



**Michel de Spot
PEng, Chair**

Sustainability Committee

The Sustainability Committee had another busy and productive year, and we made considerable progress towards the goals of our Sustainability Management System (SMS).

Council approved an APEGBC Sustainability Policy in the summer of 2003, which will help integrate the Committee's activities within the Association's overall functions. Promoting sustainability and implementing the SMS are also explicit

goals of APEGBC's new Strategic Plan.

We hired our second sustainability engineer/researcher, Christy Love EIT, to help us implement the SMS and develop knowledge about sustainability in engineering and geoscience. After successfully securing funding from the National Research Council (IRAP) and Western Economic Diversification Canada, we were able to extend Christy's position to the maximum one-year length and to hire her successor for another year.

This year, the Committee is thrilled to be presenting its inaugural Sustainability Award. We received many excellent submissions and will be announcing the winner at the 2003 Annual Conference.

Our newsletter *Sustainability Now* is in its second year of publication. The newsletter continues to expand its readership and has received very positive feedback. Two of the articles published this year have also been reprinted in *Business in Vancouver's* 2003 "Greenspace" special issue.

We added two new modules to the Sustainability Primer: Transportation and Buildings. The Climate Change module is also being updated. These and the other four modules can be downloaded from www.sustainability.ca.

We continue to expand the website and now receive several hundred visits per day. The website houses all of our key documents including the *Guidelines for Sustainability*, Sustainability Primer, *Sustainability Now* newsletters, Communication Plan and SMS, as well as extensive general resources on sustainability. The website was shortlisted for the Fraser Basin Council's 2003 Sustainability Award.

The Sustainability 2003: Greening the Built Environment exhibition, sponsored jointly by the Sustainability Committee and the AIBC Energy & Environment Committee, will begin touring in the fall of 2003. This is our second installment of this biannual exhibition showcasing sustainability in the professions; watch for it at this year's Annual Conference.

Staff in the Communications Department helped the Committee put together a continuing professional development seminar on green buildings in February 2003 and we continue to collaborate with the CPD Committee to develop new programs for the coming year. Communications also helped us to develop an excellent Sustainability Communication Plan, which will form the framework for all our future communication activities.

The Sustainability Committee has begun to implement the recommendations put forward in the LEED Implementation Plan developed the previous year by the LEED Implementation Task Force.

The Committee hosted an Interface Workshop in June to seek input from Council, other Committees, staff members, members at large, academics and other professionals on the roles APEGBC and its members can play in implementing sustainability. Many ideas were generated and the process of feedback and improvement is ongoing.

The Practice Review Committee worked hard with the Sustainability Committee to draft and incorporate an "awareness-gauging" question in its practice review questionnaire. It trained its reviewers this summer and the revised questionnaire is in place for 2003/2004.

The Committee was invited to participate in preparatory meetings of the GVRD Sustainable Region initiative, which will form the underlying framework for future planning of the region. The Committee also contributed to the preparation of the CCPE Climate Change workshop in the spring of 2003.

We accomplished much this year but as with any great plan, many challenges remain for the upcoming year. Thanks to all Committee members for their enthusiasm and dedication.

Committee Members

Michel de Spot PEng, *Chair* • Linda Bily PEng • Fred Bjork PEng • Daniela Burgi ASCT • Kevin Campbell PEng • Lee Failing PEng • Mike Fillipoff PEng • Tony Hodge PEng PhD • Graham Long PhD • Cathy Marr PEng • Scott Maynard PEng • Jamie McKay PEng • Susan Nesbit PEng • Jonathan Rider MAIBC • Glen Singleton PGeo PhD • Maggie Wojtarowicz EIT

Staff

Ross Rettie PEng, *Director, Professional Practice and Ethics*
• Christy Love EIT, *Sustainability Researcher* • Carol Lee, *Assistant to the Director*



**Doug Meske RPF,
Chair**

ABCPF/APEGBC Joint Practice Board

The Joint Practice Board (JPB) of APEGBC and the Association of BC Professional Foresters (ABCPF) deals with issues relating to the practice overlap between professional foresters, professional engineers and professional geoscientists working in forest resource development.

The role of the JPB has become increasingly important with the new results-based *Forest and Range Practices*

Act, which is silent on the role of professionals in the forest resource sector. Government has determined that it is up to the respective professional associations, based on their respective legislated authority, to regulate their members working in the forest resource sector in terms of areas of practice and standards of practice.

On that basis the JPB met eight times in the last year to update the seven articles it has produced to date, which address issues relating to the practice overlap between members of their respective associations. These article topics include forest road bridges, terrain stability assessments, avalanche assessments, watershed assessments and terrain stability mapping. The JPB initially focused on updating the article on the interrelationship between professional engineers and registered professional foresters in the design of forest road bridges.

The JPB is also preparing a draft Guideline for Professional Ser-

vices in the Forest Sector relating to bridge design. The finalized Guideline will be presented to the Councils of both APEGBC and ABCPF for their respective consideration. Once approved, the Guideline will establish the basis upon which engineers and foresters work together on forest road bridge designs. The JPB has approached this issue by preparing a document focused on ensuring that all items relating to the professional design and review of forest road bridges are properly coordinated and carried out by appropriately licensed and experienced individuals.

In addition, the JPB revised its terms of reference in recognition of the fact that the JPB examines the interrelationship between the practice of forestry and the practices of engineering and geoscience in all areas of forest resource management. Previously, the TOR focused on the relationship between the professions in the areas of planning, locating, designing and approving forest transportation systems.

Board Members

APEGBC

Mike Greig RPF PEng • Doug Underhill RPF PEng • Steve Chatwin PGeo • Don Dobson PEng • Peter Mitchell PEng, *APEGBC Staff Support*

ABCPF

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



Ken Williams PEng,
Chair

APEGBC Foundation Trustees

The Foundation continues to promote education in engineering and geoscience through the granting of bursaries and scholarships, and encourages the professional development of members by providing financial support to Branches and Divisions for courses and seminars.

This year, donations from Association members raised during the annual campaign totalled about \$21,000,

which inexplicably is a drop of about 40% from the previous year. In addition, we received \$20,000 from BC Hydro to fund another year of APEGBC/BC Hydro third-year scholarships as well as various corporate and estate grants, bringing total contributions to just under \$50,000.

The Foundation granted seven undergraduate, five university entrance, three university college entrance and nine MAPS scholarships to aspiring engineers and geoscientists, plus 20 BC Hydro scholarships to third-year students. Our total grant disbursements this year are \$46,700.

We are pleased with the generosity of contributing members and firms; however, our capital fund of approximately \$142,000 must grow in order to support the ambitious scholarship programs we have initiated and hope to maintain and even expand in the future.

The Foundation has joined Leave a Legacy BC, a program to promote charitable contributions through estate planning. Leaving a portion of your estate to the Foundation will give others the opportunity to enter our exciting and rewarding professions. Donations can be directed to the capital fund or to our annual drive. Please contact me or Wayne Gibson PEng, Director, Communications to discuss effective ways to direct part of your estate to APEGBC's Foundation.

Special thanks are in order to our Past Chair Frank Willis PEng for his years of dedication to the growth of the Foundation, and to the Trustees and staff for their contributions and wisdom. We welcome Phil Seabrook PEng to the Foundation and will certainly benefit from his knowledge and experience.

A "tip of the hat" to all contributing APEGBC members whose generosity has made this program possible.

Trustees

Ken Williams PEng, *Chair* • Harry Gray PEng, *Vice Chair* • George Csanyi-Fritz PEng • Dan Lambert PEng • Phil Seabrook PEng

Staff

Wayne Gibson PEng, *Director, Communications* • Fred Wylie CGA CMA CRRP, *Director, Finance and Corporate Services* • Shelley Lebar, *Student Program Coordinator*



Bob Martin PEng,
Chair

Benevolent Fund Trustees

The Benevolent Fund has had a busier year since last year's report. We had seven applications for assistance and dispensed some \$13,000 in funds, all to first-time applicants. The Fund Trustees continue to look for ways to assist applicants to better present their experience and qualifications to prospective employers through career counselling and training in resume preparation.

The Fund's capital base sits at a healthy \$181,105. Members who wish to provide donations to support the Fund are issued with tax receipts for donations over \$10.

We know that members who have received assistance from the Fund have regularly felt that someone still cared, giving a boost to their self-esteem and confidence at a difficult time. It is rewarding for the Trustees to receive letters of thanks from former recipients who have resumed employment and returned to good financial health.

Russ Fraser PEng has indicated that he wishes to step down from the Fund Trustees. I would like to thank Russ for his input and wisdom during our consideration of applications. We will be looking for a new member to take his place.

I would also like to thank the other Trustees for their ongoing commitment, as well as staff Dale Lessoway and Wayne Gibson PEng for their considerable assistance. APEGBC members who feel they may require financial assistance are reminded that they can discuss their particular situation in confidence with Wayne Gibson at the Association office.

Trustees

Bob Martin PEng, *Chair* • Bob Affleck PEng • Paul Blanchard PEng • Russ Fraser PEng • Kathy Kompauer PEng

Staff

Wayne Gibson PEng, *Director, Communications* • Dale Lessoway, *Member Communications Coordinator*



Daniel St-Pierre
PEng, *Chair*

Career Awareness Committee

The Committee's Operational Communications Plan is serving as a guide for the Committee to stay focused on a number of priorities. University students were the primary target for 2003 and more Industry Nights were sponsored for this key group. MathCounts has resumed its activities in 2003 after being temporarily suspended in 2002. Finally, APEG-MAPS (Member Advantage Program for Students) was

rolled out to all engineering students at UBC, SFU and UVic.

The APEGBC Guide for Branches on suggested formats for career awareness activities in local communities was completed in time for the 2003 National Engineering and Geoscience Week activities. In addition, Engineering and Geoscience Week in BC benefited from a new, comprehensive Activity Planning Guide 2003 created by the Committee.

The Committee held a workshop to help evaluate present and future needs and to refocus its mandate to promote engineering and geoscience careers to students, APEGBC members and other groups in BC. The workshop helped the group to produce revised versions of the Committee's Strategic and Communication Plans. These tasks were coordinated under the capable direction of Glenn Martin, Manager, Member and Public Affairs. Of particular note is the identification of the important role that firms and industries must play in career awareness activities, and particularly in job shadowing programs to directly introduce

possible future engineers and geoscientists to hands-on activities.

APEGBC and MathCounts, a very popular program for BC youngsters, have resumed their collaboration in an effort to provide continuity for the program. The 2003 regional and provincial competitions took place in February and March.

The APEG-MAPS program is about making contacts with industry professionals to help students get acquainted with their future professional association. UBC alone has generated 2,600 new MAPS members through a special student-wide initiative. Shelley Lebar, Student Program Coordinator, is coordinating interaction and various activities between APEGBC and the student executives and clubs.

This year's Committee should be pleased with their efforts as some key issues were addressed in the promotion of engineering and geoscience. I thank all Committee members and all those who participated in 2002/2003 career awareness activities.

Committee Members

Daniel St-Pierre PEng, *Chair* • Andy Balser EIT • Wendy Ho EIT
• Michelle Lachmann PEng • Megan Leslie EIT • Cathy Marr PEng
• John Morgan PEng • Irfan Rehmanji EIT • Shahab Sokhansanj PEng PhD • Robert Stitt ASCT

Staff

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



Vijay Kallur PEng,
Chair

CPD Committee

The Continuing Professional Development Committee's main tasks for this year have been to continue to promote the value of CPD to members and to develop the CPD program. A number of initiatives are being undertaken to complete these tasks. Results this year include the following.

The number of members using the CPD Online Recording Centre is increasing steadily. As of the end of

July, over 1,300 entries were logged by over 250 members.

The CPD Online Recording Centre was updated in January 2003 to make it more user-friendly for members who also report to APEGGA. A section has also been added to identify courses that are recognized PD for Structural Engineers of Record.

A member survey was launched on the APEGBC website in June 2003 to seek member input on a mandatory CPD program. A FAQ has been developed to assist members in participating in this survey.

The first distance education CD-ROM, *Law and Ethics*, was launched in January 2003. The second CD-ROM, *Non-Structural Seismic Restraints*, was released in June 2003.

Over the past year, APEGBC has offered over 50 seminars in

partnership with APEGBC Divisions and Branches as well as other providers in Vancouver, Victoria, Richmond, Burnaby, Kamloops, Kelowna, Prince George, Trail and Terrace. Since July 2002 over 1,500 members and non-members have participated in these seminars on soft skills and technical issues.

In addition to considering APEGBC members' needs and input, the CPD Committee has undertaken a comprehensive review of existing mandatory and voluntary CPD programs in other provinces across the country to assist in the development of a CPD program for APEGBC. These efforts will continue to ensure that the APEGBC CPD program meets members' needs.

In the meantime, the CPD Committee and staff encourage members to use the resources made available and provide feedback to help in this endeavour.

Committee Members

Vijay Kallur PEng, *Chair* • Patrick Cramond PEng • Sharlie Huffman PEng • David Harvey PEng • Robert McCandless PGeo • Henry Ng PEng • Tony Salway PGeo PhD • Dubravka Todorovic PEng • Roger Woodhead PEng PhD • Rhett Wade PEng

Staff

Wayne Gibson PEng, *Director, Communications* • Janet Guscott, *Manager, Professional Development*



**Lianna Mah PEng,
Chair**

Editorial Board

Innovation publishes your Association news, and features interesting and relevant articles on engineering and geoscience. 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 worldwide for their expertise.

Our Association faces many changes. We are proud that *Innovation* remains a vehicle to inform you of issues and proposed or upcoming changes. Some of the issues and proposed changes have been controversial and have spurred provocative discussion. We encourage you to continue to voice your opinions through *Innovation*. Through the effective exchange of ideas and debate, our Association will change for the betterment of all our members and professional colleagues.

We appreciate the comments that we have received on the changes to the cover design and content layout of *Innovation* that were implemented in 2002. We encourage you to convey 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 to you 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. Thanks also to Jennifer White for her continued hard work in the planning and production of the journal. We appreciate the many advertisers and the efforts of our Advertising Representative, Gillian Cobban. Without your support, *Innovation* would not be the successful journal 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

Lianna Mah PEng, *Chair* • Bob Gill PEng • David Harvey PEng • Derek Hodgkinson PEng • Bruce Thomson PGeo • Mohammad Tootoonian EIT • 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*



**Michael Farnsworth
PEng, Chair**

Member Services Committee

The Member Services Committee has had a very active year. We reviewed several affinity program proposals, and negotiated and implemented those that met the Committee's mandate to deliver quality and value-added programs that save APEGBC members money and generate non-dues revenue for the Association. The group purchasing power of our 20,000 plus members enables APEGBC to obtain significantly lower prices than would otherwise be achievable.

Affinity program revenues continue to grow and well exceed the nominal staff and volunteer costs needed to manage these programs. For the 12 months ending June 30, 2003, revenues generated from these programs exceeded \$141,497, up from last year's total of \$128,508. As a result, the net positive cash flow to the Association enables APEGBC to concentrate on regulatory programs and services at lower costs to the membership, while generating considerable savings for APEGBC members on the purchase of affinity products and services.

During the past year, the following new affinity programs were implemented:

- An investment management and financial planning program was finalized with Berkshire Securities. Berkshire will waive the annual trustee fee when a member opens an RRSP or RRIF exceeding \$50,000.
- A group RESP (Registered Education Savings Plan) was arranged with Allianz, a registered non-profit company that handles government-guaranteed investments in a pooled fund. APEGBC members receive a 5% discount of upfront fees and members can receive federal grants of 20% of deposits made into RESPs, up to a maximum of \$800 per year, if grant room is available.
- An Esso business fuel discount of 4.5% was negotiated for all members, whether their company consists of one person or many.
- New member benefits were negotiated at Science World and affiliated science centres around North America.
- In addition to our current digital phone service agreement, Cityfone now offers APEGBC members a long distance landline phone plan of 5.9 cents per minute anytime and anywhere in North America.
- An agreement with Choice Hotels allows members to receive the

Member Services Committee CONTINUED

best group discount VIP rate and attendant benefits at a range of hotel chains including Comfort Inns and Suites, Quality Inns and Suites, Sleep Inns, Rodeway Inns, MainStay Suites and Econolodge. Negotiations are ongoing regarding potential programs with higher-end hotels, Costco, car rental firms, travel firms and home entertainment packages.

During the year, Ken Bell PEng and Greg Martin PEng resigned from the Committee because of business and travel demands. I very much appreciated their expertise and insight, which greatly facilitated the Committee's decision-making process.

We are very fortunate to have Douglas Blake PEng, Rui Fernandes EIT, Don MacKenzie EIT and Clarence Wong PEng join the Committee to help increase the diversity of the group and better reflect APEGBC's membership.

I will be stepping down as Chair this year due to my own business and travel demands, although I will remain on the Committee. I would like to welcome Tiit Pikksalu PEng as incoming Chair.

In closing, I want to emphasize the importance of receiving members' suggestions and feedback. This greatly guides and facilitates the Committee's deliberations.

Committee Members

Michael Farnsworth PEng, *Chair* • Douglas Blake PEng • Rui Fernandes EIT • Andrew Gorlick PEng • Don MacKenzie EIT • Tiit Pikksalu PEng • Clarence Wong PEng

Staff

Wayne Gibson PEng, *Director, Communications* • Glenn Martin, *Manager, Member and Public Affairs* • Dale Lessoway, *Member Communications Coordinator*



Hugh Fraser PEng,
Chair

Mentoring Committee

The Mentoring Committee helps EITs and GITs to obtain professional registration in the four-year time frame by matching trainees with experienced professionals. Registered professionals play a valuable role in guiding trainees from the sidelines as they gain work experience and develop their own professional skills.

In the past year, support from the Association has been readily available.

Sandra Lee has been a valuable assistant and Janet Guscott, Manager, Professional Development, has helped coordinate the annual seminar and develop improved tracking/matching tools.

An excellent evening mentoring seminar on emotional IQ and mentoring/career principles was held in November. Led by Greg Campeau of Campeau Learning and Development, the session included direct teaching and stimulating discussion and practice sessions. Committee members, mentors, trainees and the trainer himself all learned something. Mentors should be aware that participation in the evening training session qualifies as a continuing professional development (CPD) activity.

The Committee wishes to thank APEGBC's mentors for their volunteer time and effort spent with trainees over the past year. Mentors are the important link in APEGBC's efforts to provide support and direction to trainees, and APEGBC formally acknowledges their volunteer work by recognizing mentoring as a CPD activity. The CPD Online Recording Centre is an excellent tool for mentors to track mentoring activities and other professional development activities.

In the coming year, we will continue with matching activities and information updates, and plan to hold another mentoring workshop in November 2003. We are working on operational improvements to

facilitate the Committee's work in matching and tracking contacts with mentors and trainees, and will endeavor to enhance program advertising to both recent graduates and potential mentors.

The Committee membership has been relatively stable over the past year with Al Bolger PEng, Mike MacLatchey PEng and James Canova PEng providing core support 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 and all APEGBC members who wish to participate in the program or serve on the Committee.

Committee Members

Hugh Fraser PEng, *Chair* • Al Bolger PEng • Barry Brooks PEng • James Canova PEng • Mike MacLatchey PEng PhD

Staff

Wayne Gibson PEng, *Director, Communications* • Janet Guscott, *Manager, Professional Development* • Sandra Lee, *Communications Assistant*



**Terry Wong PEng,
Chair**

Public Relations Committee

This year, the Public Relations Committee continued to reinforce the competitive advantage of professional engineers and professional geoscientists; namely, promoting APEGBC members as key professionals who:

- 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.

Building upon the previous year's successful advertising campaign featuring mini-profiles of various APEGBC members, the Committee developed an eye-catching print advertisement concept with a new thought-provoking theme. This theme challenges the public to consider what their daily lives would be like without the everyday products and services that we assume will always be there and will always work.

The first ad focused on transportation and offered a humorous take on a world without bridges. The Committee plans to introduce future ads highlighting other engineering and geoscience disciplines to emphasize their impact on society's development and how our professions affect people's daily routines.

The Committee revisited and updated its Communications Plan for 2002/2003 and is now formulating plans to continue the promotion of professional engineers and geoscientists and the value that APEGBC members bring to employers, businesses and the general public. From this document, the Committee developed the Communications Action Plan for 2003/2004.

In June 2003, APEGBC's new Logo Policy was officially approved and introduced. It outlines how the APEGBC logo can be used by members on business cards, stationery, letterhead, etc. The Policy and downloadable APEGBC logos available for member use are now posted on the APEGBC website.

In the coming year, the Committee is faced with the difficult task of keeping up the momentum in the face of budget cutbacks. In 2003/2004, the Committee's direct advertising purchasing budget has been scaled back to \$50,000, which is 50% less than our recommended budget of \$100,000 for this fiscal year.

We will be looking at innovative ways to raise the additional funds necessary to stay with the desired plan and are currently looking to business partnerships that will be sustainable year after year.

By doing this, it is hoped that APEGBC can foster and develop the concept of partnership with business groups and companies who see value in promoting their company through association with APEGBC, and thus work together to elevate awareness of the value of BC's professional engineers and professional geoscientists.

One other aspect of the Association's public relations work is our government relations initiative. This year's government relations activities sought to meet the objectives defined in early 2002 through a GR strategy development workshop, input from industry leaders and a government environmental scan.

Our efforts in this area — including enacting changes to the *Engineers and Geoscientists Act*, enhancing the individual and collective image of the professions, and being perceived by government as a trusted ally — led to meetings with eight ministers, two ministers of state, four MLAs and several senior bureaucrats.

We developed several communications materials including a government relations package containing information sheets on APEGBC contacts, the professions in BC, who we are and what we do, our contributions to the economy and our role with government. We developed position papers and established a GR web page. As a result, APEGBC was invited to review and provide comments on many government policy papers before they were legislated. Members were also invited to sit on a variety of government boards, committees and task forces.

Government relations will continue over the next few years to raise the profile of the Association and to enhance the collective and individual image of the professions.

Committee Members

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

Staff

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



**Bob Affleck PEng,
Chair**

Standing Awards Committee

The Standing Awards Committee is charged with seeking and reviewing nominations for APEGBC's Annual Awards, which are presented at the AGM. The Committee is responsible for recommending to Council the candidate or candidates selected for each award.

The awards made annually by the Association and entrusted to the Standing Awards Committee are:

- R A McLachlan Memorial Award
- C J Westerman Memorial Award
- Meritorious Achievement Award
- Professional Service Award
- Community Service Award
- Teaching Award in Engineering and Geoscience

The terms of reference for these awards can be found on the APEGBC website.

In making these awards, the Association recognizes outstanding engineering and geoscience accomplishments, and service to the professions and 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 the Canadian Council of Professional Engineers for their annual awards. This year, Buckland & Taylor's Lions Gate Bridge Renovation was selected by CCPE as a corecipient of their National Award for Engineering Achievement. The Committee also nominated Dr Yusuf Altintas PEng for a BC Science Council Award.

The recipients of this year's Association Awards will be recognized at the Annual General Meeting in Penticton on October 25 and will be featured in the October 2003 issue of *Innovation*. Needless to say, we believe they are deserving winners.

The Committee dealt with several housekeeping matters, the most important of which was how to improve the awards nomination process. The annual call for nominations goes out at the end of February and usually elicits a less than stellar response. This year, we increased the scope of the call for nominations mailing, made it easier to make a nomination and generally tried to improve communication with APEGBC members.

While nominations were up this year, the Committee believes that there are many more potential recipients of Association awards who are not being brought to our attention and thus not receiving their due recognition. I hope you will help us ensure that deserving members are considered in the years to come.

I wish to thank all Committee members and APEGBC staff for their participation, patience and wise counsel. As well, thank you to all those who did submit nominations this year. To all APEGBC members, keep those suggestions and nominations coming.

Committee Members

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

Staff

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



**Daniela
Constantinescu,
Chair**

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

We are pleased to report that our 2003 achievements have moved DAWEG closer to our goal of enhancing the participation of women in engineering/geoscience. The accomplishments, vision and direction of DAWEG are due to the talent and dedication of our volunteers. The past year's activities have focused on three areas:

- retention of women in engineering/geoscience and improved access for immigrant engineers to Canadian job markets
- encouraging young women to consider engineering/geoscience careers
- growth of the Division

Mentoring activities, influencing policy in engineering/geoscience and government bodies, and working with organizations with similar goals have been instrumental to our successes.

In 2003, mentoring activities advancing the first DAWEG direction include a successful salary seminar (over 250 participants), our first workshop for immigrant engineers/geoscientists (in collaboration with SCWIST), and the organization of all DAWEG events by committees so that newer members are mentored by experienced ones.

Policy activities include our participation in policy discussions with CCPE, CCWEST, APEGBC Council and the Sustainability Committee. DAWEG lobbies for provisional professional status for immigrant engineers and considers options for providing babysitting for nursing mothers at APEGBC events.

The second 2003 DAWEG direction consists of promoting engineering/geoscience among young women. As result of our collaboration with the MIT Women's Initiative, a group of MIT female engineering students visited seven Lower Mainland high schools. Collaboration with APEGBC's Career Awareness Committee included school visits, continued sponsorship of regional science fairs, and sponsorship of a Lower Mainland all-female high school student team, winner of the first prize in the MIT Remote Vehicle Competition.

The third DAWEG direction centres on expanding our membership by enhancing our visibility in the engineering community and increasing the value provided to members and APEGBC. Relevant achievements include improved outreach through greater use of electronic communication and an enhanced online presence; organizing a Fun Run to celebrate the start of National Engineering Week; free DAWEG membership for MAPS members; and ongoing sponsorship of a professional development stream at the APEGBC Annual Conference. We welcomed seven new members.

Our next AGM will be held on Saturday, September 27. We welcome emailed suggestions at any time at daweg@mech.ubc.ca.

Division Executive

Daniela Constantinescu, *Chair* • Nancy Reid EIT, *Vice Chair* • Grace Cheng PEng, *Treasurer, Fun Run Committee* • Margaret Li PEng PhD, *Past Chair and Councillor* • Elizabeth Croft PEng PhD, *Strategic Planning* • Maggie Wojtarowicz EIT, *Newsletter Editor* • Sandy Cook PEng, *Newsletter Editor* • May Chew PEng, *Membership Committee Cosecretary* • Carol Campbell PEng, *Membership Committee Cosecretary* • Nancy Hill PEng, *Social Events Committee* • Helen Chan EIT, *Social Events Committee* • Megan Leslie EIT, *Social Coordinator, DAWEG stream/APEGBC AC Committee* • Diana Cheng, *DAWEG stream/APEGBC AC Committee* • Dana Kulic, EIT, *Fun Run Committee* • Shirin Farrahi, *Fun Run Committee* • Catherine Marr PEng, *School Interaction Coordinator* • Phyllis MacIntyre PEng, *School Interaction Coordinator* • Heather Crow PEng, *School Interaction Coordinator* • Karen Savage PEng, *CCPE Rep* • Lianna Mah PEng, *CCWEST Rep* • Roya Rahbari EIT PhD, *SCWIST Rep*



Eric McQuarrie
PEng, *Chair*

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

The 2002/2003 term began with another highly successful AGM in Victoria. DEGIFS hosted an exciting field trip exploring karst features and held two days of presentations on a wide variety of topics including karst, hydrology, terrain stability and changes to the Forest Practices Code. In May, we also coordinated another well-attended

workshop in Vernon on innovative road construction techniques.

Other DEGIFS initiatives included awarding two bursaries of \$750 each to students in programs related to forest engineering, geoscience or geotechnique; reviewing and recommending changes to forest practices regulations; reviewing the ABCPF/APEGBC Joint Practice Board's draft guidelines on bridge engineering; working with CEBC and the Ministry of Forests to improve professional services contracting practices; and resurrecting the Risk Task Force to guide the preparation of a Landslide Risk Case Studies document.

Our *Aspect* newsletter editors and our webmaster continue to work diligently to keep our members informed and entertained.

The largest undertaking by DEGIFS over the past year has been the *Guidelines for Terrain Stability Assessments in the Forest Sector*, which will establish the standards of professional practice in this field. The final document is scheduled for publication this fall.

DEGIFS members will not want to miss the October 2003 Annual Conference in Penticton where we have another two days of presentations planned, including a full-day session on landslide risk assessments [see related article on page 13 of the September issue of *Innovation*] and a half-day session on avalanche assessments.

The dynamics of BC's forest industry led to another busy but productive year for DEGIFS. I wish to thank the Executive, the *Aspect* editors, our webmaster, the Risk Task Force and the Terrain Stability Guidelines Committee for contributing countless hours to their professions.

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 2003/2004 Executive. Your desire to be involved is what makes DEGIFS so successful.

Division Executive

Eric McQuarrie PEng, *Chair* • Brian Chow PEng, *Vice Chair/Bursaries* • Kevin Turner PEng, *Past Chair/Workshops* • Doug Nicol PEng, *Secretary* • Bill Grainger PGeo, *Treasurer* • Calvin VanBuskirk PEng/PGeo, *Guidelines* • Doug Dewar PEng, *AGM Coordinator* • Mike Greig PEng, *JPB Liaison* • 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* • Heather Blyth PGeo, *Webmaster* • Brian Brassington GIT, *Affiliate Liaison*



David Davey PEng,
Chair

Division of Structural Engineers

Our Division's biggest concern continues to be the implementation of the SER program. By July 2003, only seven structural engineers had been granted the SER grade of membership. The Division has expressed its concern to the Structural Qualifications Board that regulatory authorities might start to implement the requirement for an SER designation before the proposed implementation

date of January 2007. The Division is, therefore, supporting an effort to have the implementation date incorporated into the next versions of the BC Building Code and Vancouver Building Bylaw.

Proposed changes to the 2005 edition of the National Building Code, the BC Building Code and the Vancouver Building Bylaw were circulated for comment in March 2003. A task force drawn from the DSE Executive and members at large reviewed proposed changes to

Part 4 of the Code and sent a brief to government with our comments.

The Division has been frustrated in its efforts to revise the APEGBC Bylaw concerning Concept Review, which we feel is unclear and insufficient. We are, therefore, still working on production of the *Guidelines for Quality Management*. We also will be providing input on revisions to the *Guidelines for Structural Engineering Services for Building Projects* published in 1993.

This year, we became a joint division of the UK Institution of Structural Engineers, thereby increasing our resources and reducing the fee structure of those who belong to both organizations.

We also continue to be a member of the US National Council of Engineering Associations, which entitles our members to receive a copy of *Structures* magazine. Next year, this will be distributed by e-mail to DSE members at reduced cost and hopefully without the glitches experienced with the hard copy version. In 2004, in concert with the APEGBC Annual Conference in Whistler, we will host the Western Conference of NCSEA.

The DSE Executive continues to produce a quarterly newsletter,

Division of Structural Engineers CONTINUED

which we encourage the DSE membership to use as a vehicle to express their concerns, views and opinions.

The Executive includes representation from structural engineers on the APEGBC Seismic Risk Task Force, Structural Qualifications Board and Consulting Practice Committee. We also support the Vancouver Structural Engineers Group in their continuing technical program and will be holding a combined meeting with them on September 24, 2003. The DSE is again organizing and sponsoring a one-day technical program at the APEGBC Annual Conference in Penticton this year.

I would like to express my thanks to APEGBC staff for their support and to my fellow Executive members, who have put in a tremendous amount of volunteer effort and time.



Don Brynildsen
PEng, Chair

Municipal Engineers Division

The Municipal Engineers Division has long been a forum for public sector professional engineers to exchange ideas and debate issues. We continue to provide professional and leadership development through education, networking seminars on current issues and the MED newsletter.

The past year has been a successful one as membership has grown to over 300 and we hosted another excellent

series of well-attended and informative seminars. This year, John Irving PEng of the City of Richmond and Tony Barber PEng of the City of North Vancouver joined the Executive as Directors. Both have done excellent work on the Executive and we thank them for volunteering and caring about the future of municipal engineering.

In late 2002, we strengthened our relationship with the MMCD (Master Municipal Construction Document) initiative and are now conducting joint seminars to reduce overhead and increase attendance. This has worked well and we are preparing for joint MED/MMCD AGMs this fall.

The MED participated in the APEGBC 2002 Annual Conference in Victoria last October. Our session focused on water-related issues including sustainable wastewater management, innovative stormwater management and the Fraser Basin initiative.

Our Division's AGM was held on November 22. The seminar portion of the meeting dealt with current issues including changing the way we do business, federal/municipal infrastructure program (Infraguide), the Vancouver/Whistler Olympics bid and risk tolerance. We were fortunate to have several very knowledgeable and entertaining speakers.

Sustainability in transportation was the theme of our first seminar in April 2003, which featured speakers on influencing travel and country streets and lanes. Both topics offered options that reduce our dependence on the automobile. In June, we held a

Division Executive

David Davey PEng, *Chair* • Peter Trainor PEng PhD, *Vice Chair* • Elizabeth Lawrynowicz PEng, *Secretary/Treasurer* • Roy Ellis PEng, *Past Chair* • David Harvey PEng, *IStructE & WCSEA Liaison* • Irv Nitkin PEng, *Newsletter Editor* • Marion Podlovsky PEng, *Website Manager* • Rob Smith PEng, *Director* • Steven Keyes PEng, *Director* • Thor Tandy PEng, *Director* • Peter Mitchell PEng, *APEGBC Liaison* • Angie Freedman, *SER Program Coordinator*

workshop on the new draft MMCD Design Guidelines, a very controversial topic that sparked much discussion.

During the October 2003 APEGBC Annual Conference in Penticton we will again sponsor a daylong seminar featuring four speakers on a variety of topics including humor, passion, economic development and the law.

Our seminar series wraps up each November with the MED annual general meeting, tentatively scheduled for November 21. This year's theme is sustainable development and will include sessions on green buildings, the LEED building program, and a presentation and tour of the new City of Vancouver Chess Street Works Yard.

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

Division Executive

Don Brynildsen PEng, *Chair* • Francis Cheung PEng, *Vice Chair* • Paul Archibald PEng, *Past Chair* • Dave Dean PEng, *Secretary* • Donna Howes PEng, *Treasurer* • Tony Barber PEng, *Director* • John Irving PEng, *Director* • Alan Newcombe PEng, *Director* • Gary Smirfitt PEng, *Director* • Ken Watson PEng, *Director*



**Alana Hanert PEng,
Chair**

Burnaby/New Westminster Branch

The Burnaby/New Westminster Branch held six events throughout the year including dinner meetings, tours and special presentations.

In September, we started the year with a tour of MTU Maintenance Canada, one of the largest independent maintenance and repair operations for jet turbine engines in North America. Our second tour was held in February at the Electronic Arts facility in

Burnaby. The Branch has offered this tour for the past four years and it is very popular with members.

The first of our special presentations, held in January, was an information session for EITs and GITs. Elvis Riou PEng, Deputy Director, Registration, facilitated the session for over 100 members-in-training. In March we held an Engineering Week presentation on the Capilano-Seymour Filtration Project, a free session open to the public. Our final special presentation of the year was a session by John Bremner PEng on the ASTTBC/APEGBC merger. This topic was of great interest to many in our Branch and generated good discussion.

The dinner events included the President's visit in March and our Branch's AGM in June, followed by a presentation on the Fraser River Port Authority.

The Branch's success this year is due to the dedication and hard work of the Executive who volunteered their time and talents to present interesting and informative activities for members.

The newly elected Branch Executive has already met and planning is underway for next year. The Branch invites all members to get involved in our activities and welcomes ideas and comments from everyone.

Branch Executive

Alana Hanert PEng, *Chair* • Farmand Ghafari PEng, *Vice Chair* • Patrick Korner EIT, *Secretary* • Jarrod House EIT, *Treasurer* • Laila Bassim PEng • Zeljko Cecic PEng • Hugh Fraser PEng • Chris Gardner EIT



**Vladimir Pasicnyk
PEng, Chair**

Central Interior Branch

Our current Executive was elected at our annual luncheon meeting held on November 22, 2002. At the meeting we were treated to a presentation by two of our members, Bill Cheung PEng and Emily Cheung PEng, who are on long-term assignments in Ecuador. They described their work in that country as well as their experiences living and working in the community.

Our Executive has been meeting monthly to review past activities and prepare upcoming programs. We were fortunate to enjoy an interesting selection of speakers for our luncheon meetings during the first part of the year:

- Jamie Pardy PGeo discussed his experiences working in Peru.
- Dick Fletcher PEng and John Bremner PEng gave us a thorough review of the APEGBC/ASTTBC merger.
- Jack Robertson of Barton Insurance Brokers stressed the importance of general and professional insurance for companies and individuals.

In other events, our annual popsicle bridge contest was quite successful as usual.

Due to limited attendance at our luncheon meetings, we have decided to discontinue this type of meeting as we have had to subsidize them. Instead, we are looking at alternative venues for meetings and will try to conduct more field trips. We will also increase our contacts with students in grades 11 and 12, which have been well received in the past.

We hope that, with increased activities, we will get more members involved and increase the positive profile of our professions and their importance to the community and members.

Branch Executive

Vladimir Pasicnyk PEng, *Chair* • David Pow PEng, *Vice Chair* • Mike Tkachuk PEng, *Past Chair* • Bill Becker EIT, *Secretary* • Jim Sosiak PEng, *Treasurer* • Laura Bakermans PEng • Doug Dewar PEng • Colin Dix Limited Licensee • Jennifer Fowler • Albert Koehler PEng PhD • Lane Logan PEng • Nini Long EIT • Satish Prasad PGeo • Zigmund Slosmanis PEng



**Karl Unger PEng,
Chair**

East Kootenay Branch

The past year has been one of progress even during challenging economic times. While the number of Executive members has doubled, unfortunately the number of APEGBC members within the Branch has decreased slightly.

The Branch AGM in February and President's visit in June were successful events and well attended by our members, some of whom came from the

more remote corners of the Branch.

The Branch assisted in judging at the 2003 Science Fair in March. Competition was stiff and judging the presentations proved to be a very challenging task. A popsicle stick bridge demonstration was well received at the event and was used to promote the Branch's contest in April.

The Engineering Week popsicle stick bridge contest was successful again this year. The top bridge, constructed with 100 popsicle sticks, held 258 lbs! The Branch's bridge-breaking apparatus continues to be used by the local high school as part of their drafting and

design class. Branch members have attended the high school regularly to answer questions and discuss engineering during these "strength testing" sessions.

The Branch awarded a \$500 scholarship to Pardeep Pahar of Elkford who will be enrolled in the University of Alberta's chemical engineering program. Many thanks to all the individuals and companies who support our annual scholarship fund. Next year's goal is to award two \$500 scholarships.

The 2003/2004 goals for the Branch include providing better access to Executive meetings for members, accomplished by holding the meetings throughout the Branch area. On the social front, we plan to have more events, either golf or bocci, and are open to any ideas any time. We still want to organize an event with our neighboring West Kootenay Branch.

Branch Executive

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



**Herb Locke PEng,
Chair**

Fraser Valley Branch

This past year, our Branch showed a 25% increase in attendance at all our functions including dinner meetings, social events and information sessions. We attributed this excellent turnout to efficient communication with Branch members via e-mail as well as the development of a local Branch online registration system that allowed ease of registration for events.

We held seven dinner meetings, two social events and the annual President's visit that coincided with a special session on the APEGBC/ASTTBC merger. Our dinner meetings included presentations on offshore oil and gas exploration, the 2010 Olympics bid, Cogburn Magnesium Project, Ballard Power and the Seymour-Capilano Filtration Project. The Cogburn presentation was standing room only, with over 100 members enjoying the discussion and fine cuisine at the Sunrise Banquet and Conference Centre.

On the community activity front, we held our successful 5th annual popsicle stick bridge building contest, sponsored the 11th annual Fraser Valley Regional Science Fair in Abbotsford, and participated in APEGBC's career awareness program and MathCounts. Thank you to the volunteers for providing their time and energy to be involved with the community.

We also laid the foundation for a local Branch continuing professional development program that allowed input from members to help continue to meet their professional goals and challenges.

The Branch's plans for 2003/2004 are to continue to provide

dinner topics of interest, increase awareness of affinity programs for member service benefits, and work together with APEGBC head office to help deliver CPD courses and programs relevant to member professional development. Finally, we encourage active participation and seek volunteers to give a bit of their time to help support our Branch activities and increase member value.

Branch Executive

Herb Locke PEng, *Chair* • Ron Weismiller PEng, *Vice Chair* • Scott Campbell PEng, *Past Chair* • Ann Stephenson EIT, *Secretary* • Francisco Perello PEng PhD, *Treasurer* • Phil Cunningham PEng, *CPD Coordinator* • Allen Heinrichs EIT, *MathCounts Coordinator* • Arthur Doerksen PEng • Murray Harris PEng • Scott Maynard PEng • Jairo Prada PEng • Lesley Richards EIT

Popsicle Stick Bridge Contest

Sean Allan EIT • Mark McDougall • Brian Snow PEng



**Erin O'Brien PGeo,
Chair**

Northern Branch

After several years of dormancy, the Northern Branch was successfully reactivated in October 2002. An interim Executive was elected and planning quickly got underway for our ambitious "inaugural" event held in Kitimat on February 14, 2003. Hosted and sponsored by Alcan Primary Metal BC, this event attracted 85 members and spouses to a tour of the aluminum smelter and dinner presentation.

On April 4, President Dick Fletcher PEng and Executive Director John Bremner PEng visited both Terrace and Kitimat to provide an information session on the potential merger with ASTTBC. At the evening session held in Terrace, President Fletcher spoke on Council priority issues and the Northern Branch's interim Executive was formally re-elected.

The Branch's goals for 2003/2004 are to continue to promote the professions in our northern communities and to foster professional development among our members. To achieve these goals, we are striving to host events in each of the Branch's major centres.

Anyone with ideas for an upcoming event (tour or guest speaker) or interested in volunteering their time can contact me at eobrien@golder.com or by phone at (250) 639-8633. We look forward to another exciting year in the North.

Branch Executive

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



**Matt Cameron PEng,
Chair**

Okanagan Branch

The Okanagan Branch is still alive and kicking (unlike its Chair, who refuses to believe he is not 19 any more and as a result of a waterskiing accident has one poor knee and one terrible knee).

In October 2002 we had a tour of the Riverside cogeneration plant in Armstrong, which had great attendance and was very informative. The plant burns wood waste to generate 20 megawatts of

electricity that is directed back to the electrical grid.

In November our booth at the Okanagan University College Career Fair was seen by thousands of potential future engineers.

Our Branch was once again a proud sponsor of the spaghetti bridge building competition in March, which was the 20th annual event held at OUC. The competition, which has categories from elementary school level all the way to post secondary, was held in conjunction with an open house at the campus and attracted many spectators as well as competitors from as far away as Holland, Romania and Japan.

The Branch had a visit from Dick Fletcher PEng and John Bremner PEng in April to update members on Association business and provide a detailed presentation on the proposed merger with ASTTBC.

The last event before the summer break was a tour of the Lavington Glass manufacturing plant, which had a great turnout and proved to be most interesting.

We kicked off events for this year with our annual golf tournament held at the Vintage Hills course in Westbank, which was well attended and attracted members from as far away as Kamloops. Golf was followed by a cool refreshment and dinner with everyone leaving with a prize.

In closing, I would like to thank the Executive and members for their efforts this past year as we all know these events take time to organize, and without volunteers they would not happen.

Branch Executive

Matt Cameron PEng, *Chair* • Dave Cullen PEng, *Past Chair* • Brett deWynter PEng, *Treasurer* • Remi Allard PEng • Piero Galvagno EIT • Gerald Imada PEng • Nicole Kohnert PEng, *Council Liaison* • Henry Murphy AScT, *ASTTBC Representative* • Scott Orth PGeo • Rick Peleshytyk PEng • Gordon Springate PEng EdD • Sheila Watamaniuk, *OUC Student Rep*



**Darian Clark PEng,
Chair**

Peace River Branch

The first event held in 2002/2003 was the Branch AGM in October, where a new Executive was selected and 17 members attended the AGM. Soon afterwards a planning session was held in November to set out a timeline for tours and events for the year.

The first event to kick off the new year was an informative presentation on the Dawson Creek Arena collapse by Brad Shipton PEng. This event, attended

by 13 people, was preceded by a supper and social at White Spot.

The Branch's fifth annual popsicle stick bridge building contest, held March 8, was not as well attended as in previous years, with cold weather likely being the contributing factor. The event was a moderate success with good publicity for the Branch and Association. Thanks to all the volunteers who made the event possible.

A visit by both the APEGBC President and Executive Director in March was attended by about 18 people. John Bremner PEng gave an informative presentation on the potential merger of APEGBC with ASTTBC.

On July 19, 12 people gathered at Humpty's restaurant in Fort St John before heading to the WAC Bennet Dam for a very interesting and informative tour put on by BC Hydro engineers. The tour included viewing the internals of one of the 10 massive turbines at the site that was out of service for replacement, as well as loads of other equipment that was being overhauled at the time of the tour.

For the remainder of the year, we intend to organize a tour of either Duke Energy's McMahon gas plant in Taylor or the Fibreco pulp mill, also located in Taylor. These events will likely include a social for members.

A Branch representative will be selected to attend the APEGBC AGM in Penticton in October and to cap things off for the year, we will hold the AGM in Fort St John sometime in the fall.

Branch Executive

Darian Clark PEng, *Chair* • Alan Good PEng, *Vice Chair* • Brad Shipton PEng, *Past Chair* • Don Cameron PEng, *Secretary* • Dave Krezanoski PEng, *Treasurer* • Lorne Allaby • Don Buckland PEng • Dan Chevalier PEng • Cris Dahl PEng • Richard Slocomb PEng



**Max Kazemi PEng,
Chair**

Sea to Sky Branch

Our Branch held a number of activities during the past year ranging from MathCounts, a popsicle stick bridge building competition, a barbeque social function and student career awareness to tours and dinner presentations by distinguished speakers as well as certificate presentations to new members.

In October 2002 the Branch held an energy forum with one of the highest member turnouts in the Branch's history.

In February 2003 an extremely interesting presentation on the development and application of fuel cell technology was very well received.

Our annual general meeting, held in April, was combined with an information session by John Bremner PEng on the proposed APEGBC/ASTTBC merger. We also had a presentation by President Dick Fletcher PEng on current professional issues affecting the membership.

A combined CPD meeting and tour was held in June at the Whistler Community Centre on land stability issues in the Sea to Sky corridor.

The School Career Development and Career Awareness Committee held a pilot program for students in grades 11 and 12 to provide them with job equivalent experience. The pilot began with an intensive half-day presentation by qualified engineering and geoscience professionals and was followed by a tour of companies around town.

It has been an honour and a pleasure to serve the Branch as Chair over the past year. The Branch belongs to its members and your involvement at all levels is greatly encouraged.

Finally, kudos to our entire Executive, volunteers and those who helped make the Sea to Sky Branch strong and a model of success.

Branch Executive

Max Kazemi PEng, *Chair* • Jim Branson PEng, *Vice Chair* • John Morgan PEng, *Past Chair* • Brian Hughes PEng, *Secretary* • Mamoud Bashi PEng, *Treasurer* • Liviu Stefanescu PEng, *Newsletter* • James Blake PEng, *Web Page* • David Fung PEng PhD, *Spotlight* • Monica Danon-Schafer PEng, *Spotlight* • Bob Gerath PEng, *Spotlight* • Desmond Williams PEng, *MathCounts* • Johanna Mantsinen EIT, *Popsicle Bridge Contest* • Shahab Sokhansanj PEng PhD, *School Career Development* • Scott Curry PEng, *CPD* • Bill Vaughan PEng, *Barbeque* • Michael Bakst PEng, *Sechelt Rep* • Bill Green PEng/PGeo, *Capilano College Liaison* • George Harford PEng, *Phoning Committee* • Amir Mohseni PEng • Janine Nyvall PEng • Sean Puchalski • Gilles Therrien PEng • Verona Wong EIT



Andrew Watson
PEng, *Chair*

South Central Branch

The past year has been an active one for our Branch with a total of 11 general meetings including two field trips, two formal dinner meetings and seven lunchtime presentations. Attendance has increased significantly since we adopted a lunchtime format for most of our monthly meetings; however, this unfortunately precludes attendance by some members outside the Kamloops area and those with rigid daytime schedules.

Our two field trips included visits to the Lafarge Cement Kamloops plant and Riverside Forest Products near Armstrong, which included tours of both the plywood plant and the new cogeneration facility.

Our two formal dinner meetings included our own annual general meeting held in November and our annual President's visit in February. Our Branch AGM included a presentation on the design and construction of extensive retaining walls required for the Home Depot project in Kamloops. The annual President's visit included presentations by President Dick Fletcher PEng and Executive Director John Bremner PEng regarding the state of APEGBC and the proposed APEGBC/ASTTBC merger.

Topics of our seven lunchtime presentations included APEGBC business, local municipal affairs, and updates on other projects of local and regional interest.

With respect to APEGBC business, strong interest was shown by a wide cross-section of members to the APEGBC-sponsored presentation on proposed changes to the *Engineers and Geoscientists Act*, which resulted in a number of comments being forwarded to the Act Rewrite Committee. These comments appear to have been considered by the Act Rewrite Committee and appear — no doubt in conjunction with feedback from other Branches — to have resulted in some modifications to the draft *Act*. We hope to have another opportunity to review and debate the final draft *Act* once it is available.

On the topic of local municipal affairs, presentations were made regarding the City of Kamloops' water treatment plant and its Liquid Waste Management Plan. These topics were of particular interest to our Branch as both local advisory committees making recommendations to the City include members of the South Central Branch who were nominated by the general membership at our monthly Branch meetings. The presentation on the City's water treatment plant by Maurice Gravelle PEng was of particular interest and importance as it was a precursor to the local referendum to confirm support for funding and construction of a \$60 million, state-of-the-art membrane filtration plant.

Presentations on other projects of local and regional interest covered a broad range of topics including public-private partnerships in transportation, snow hydrology of the north Thompson River and Okanagan Lake watersheds, dewatering and slope monitoring at the Highland Valley mine, and the Weyerhaeuser Kamloops cogeneration project.

This year, we made limited attempts to arrange joint meetings with the Okanagan Branch including inviting its members to the Highland Valley Mine presentation and the field trip to Riverside Forest Products. Although only a limited number of attendees were willing to travel in either direction, we hope to pursue further joint meetings in the coming year.

I would like to thank all members of our Branch who have attended our general meetings over the past year. I would also like to thank the Branch Executive and others who contributed their time and effort to planning our general meetings. In particular, special thanks are due to Jeff Holm PEng, who has attended our Branch Executive meetings on a regular basis in addition to fulfilling his duties as an APEGBC Councillor; and to Kevin Baskin PEng, who filled the role of Secretary/Treasurer over the past year but recently resigned due to his transfer to Victoria.

Branch Executive

Andrew Watson PEng, *Chair* • Jeff Holm PEng, *Vice Chair* • Patrick Triggs PEng, *Past Chair* • Kevin Baskin PEng, *Secretary/Treasurer* • Gordon Antenbring PEng • Fawn Holland EIT • Victor Von Maydell PEng

Vancouver Branch

Richard Harris PEng, Chair

Meeting the needs and interests of a branch with membership in excess of 6,000, competing with dozens of other professional associations and organizations, and balancing professional and personal interests and commitments in the vibrant City of Vancouver is no easy challenge.

However, I'm pleased to report that the Vancouver Branch did just that this past year — not only meeting the challenge but raising the bar for organizing and running meaningful events and activities for our members.

Early planning in 2002 paid off, with our Branch running no fewer than 15 formal events in 2002/2003. Highlights included two standing-room-only Industry Nights at UBC; an oversubscribed EIT/GIT information session; sold-out tours of Bell Mobility, Bridge Studios and the Canadian Coast Guard hovercraft; several well-attended dinner meetings with insightful guest speakers; and yet another successful Engineering Festival during NEGW.

Another noteworthy milestone for the Branch was the addition of over 2,000 engineering and geoscience undergraduate students from UBC, welcome members to APEGBC's MAPS program.

The strength of the Vancouver Branch lies in the leadership and dedication of its Executive. In 2002/2003, the Branch Executive surpassed 20 active members, another first since the division of the Lower Mainland Branches in 1994. My success is theirs and theirs is ours — to you and all I have the greatest of respect, and am grateful and privileged to have served as your Chair.

The Vancouver Branch shows no signs of slowing down and has already laid plans to raise the bar again into 2003/2004. Longtime Executive member and incoming Chair Jo-Ann Moore PEng will draw upon her years of APEGBC experience and the strengths of our Branch Executive to take us through another exciting and successful year. A warm welcome to incoming Vice Chair Ian MacDonald PEng, another valued addition to the Branch's leadership team.

While you will see many Branch events and activities similar to those in the past, look for a few new or reworked events and activities in 2003/2004 starting with our new Marketing and Business Development CPD breakfast seminars. We will be looking for you!

Branch Executive

Richard Harris PEng, *Chair* • Jo-Ann Moore PEng, *Vice Chair/NEGW* • Eric Lalli PEng, *Past Chair/Registration* • Andreea Toma EIT, *Secretary/Web Page* • Leonard Pianalto PEng, *Treasurer* • Claudio Arato PEng, *Council Liaison* • Andy Balser EIT, *Newsletter* • Clarence Wong EIT, *Newsletter/Member Services* • Raz Seyednejad EIT, *Newsletter* • Mike Price PEng, *Tours* • Chris Yoo PEng, *Tours* • Ian MacDonald PEng, *Mentoring* • Derek Schick PEng, *Dinner Meetings/Sustainability* • Ulf von Dehn PEng, *Correspondent* • Christian Kargl-Simard, *UBC Student Liaison* • Gordon Lindsay PEng, *EIC Liaison* • Milan Fischer PEng, *CPD* • David Binner EIT, *MathCounts* • Bill Ghosh PEng • Paul Iacuele PEng • Greg Julian PEng • Ali Sanaie

Vancouver Island Branch

David Vincent PEng, Chair

The Branch organized six dinner meetings that were attended by a good cross-section of the membership. In addition, we held an evening lecture on global warming in conjunction with Malaspina University College as well as a daylong field trip on karst topography and its implications for resource management and development in the Cowichan region. The latter event was well received with participation by engineers, geoscientists and students.

The Honourable Stan Hagen, Minister of Sustainable Resource Management, gave a presentation at the Courtenay/Campbell River dinner meeting, which generated considerable interest. The President's visit on the proposed amalgamation with ASTTBC and the need for changes in professional fees was well attended. The Branch wrapup picnic and AGM was hampered by poor weather but those who did attend were well exercised, entertained and fed.

In addition to events for members, the Branch ran our fourth successful popsicle stick bridge contest with some very impressive structures that pushed the limits of the test rig; a project for next spring is a bigger and better rig. Our annual scholarship for a student entering a program of engineering or geoscience was awarded to a student at Malaspina College.

An ongoing Branch project is the development of reference materials for members within the Branch. In a joint effort with the Van-

couver Island Regional Library, the Branch has for several years been adding technical manuals, texts and reference standards to the library collection. These are readily available to all within the Branch through the regional library system.

The Executive worked hard to plan and organize events. Special thanks to Del Ferguson PGeo for adding some dirt and rocks to an essentially civil group and helping to expand our viewpoint to include the geoscience perspective. We thank all of our volunteers who assisted with events, and especially members and partners who attended and made the year a success.

Branch Executive

David Vincent PEng, *Chair* • John Hofman PEng, *Vice Chair* • Dan Hooper PEng, *Past Chair* • Myles Makortoff PEng, *Secretary/Website* • Dave Flynn PEng, *Treasurer/School Liaison* • Todd Macey PEng, *Career Awareness* • Lauren Baldwin EIT, *Career Awareness* • John Hofman PEng, *Professional Development* • Ron Parker PEng, *Golf Tournament* • Nelson Deck PEng, *Campbell River* • Kevin Lagan PEng, *Courtenay/Comox* • Ron Parker PEng, *Duncan* • Bob Hoffstrom PEng, *Nanaimo* • David Shillibeer PEng, *Parksville/Qualicum* • Walter Rosin EIT, *Parksville/Qualicum* • Roberto Allende-Garcia EIT, *Port Alberni* • Del Ferguson PGeo, *Ladysmith*



**Jan Buermans
PEng, Chair**

Victoria Branch

My year as Chair has gone very quickly and I now have an appreciation of what the Chair can do to help the Branch. I would like to thank the Executive members for their contributions to the Branch and the Association. I have confidence in Greg Beaveridge PEng, our newly elected Chair, to carry out the remarkable traditions we have at the Victoria Branch.

We had dinner meetings in

September, October, November, January, February, March and April, most of which were well attended. Chrissie Talbot, surviving spouse of the late Dick Talbot PEng, handed out the first Talbot Award to a deserving engineering student. I invite you to consult the web page at www.apeg.bc.ca/branches/Branches/victoriatalbot.html. Through raffles, 50/50 draws, auctions of items and other fundraising events, we have continued to increase our Richard Talbot Charter Memorial Fund to about \$13,000 from about \$12,000 last year.

A partial list of additional events that our Branch team organized included a MathCounts competition, a spaghetti bridge contest, two UVic industry nights, a robot competition and judging at the Science Fair. Special mention is in order for the Victoria Branch's volunteers of 2002/2003, who donated freely of their time during the past 12 months to make our Branch activities successful:

- Dave Bevan PEng for being there whenever I needed him, for organizing the Science Fair judging and for putting together the team of volunteers for the APEGBC Annual Conference in Victoria. Greg Beaveridge PEng for chairing the first dinner meeting in my absence and for being there month after month. Irena Netik EIT for her accurate and timely minutes of the meetings. Joshua Hayes EIT for his calmness, order and efficiency with the organization of each of the dinners.

- Tom McLean PEng for bringing us quality speakers that drew the crowds and for taking charge of the Talbot fund. Gord Porritt PEng for being there to fill the gaps that arose during the year including Treasurer; his presence and input is appreciated. Joyce Liu EIT for bringing us the colourful and interesting 4th Dimension Branch newsletter.
- Barry Brooks PEng for organizing the certificates and making the recipients feel special. Bill Fraser PEng for bringing us the exceptional event of Gold Foils. James Bernaldez PEng for putting together the MathCounts competition. Shane Moore EIT for being our photographer from time to time.
- Aurelia and Henrik Jacobsen PEng for their contributions and for bringing us those special prints to make our speakers feel exceptional. David Gibbs PEng for his continued presence and contributions. John Francis PEng for being the Chief Judge and organizing the team of judges at the May 21 "Baskets of Trouble" Robot competition.

Thank you to all for making the Branch events successful. The Victoria Branch could use further assistance for 2003/2004. If you feel you can contribute, I invite you to contact Greg Beaveridge PEng at beaverig@shaw.ca.

Branch Executive

Jan Buermans PEng, *Chair* • Dave Bevan PEng, *Past Chair* • Greg Beaveridge PEng, *Vice Chair* • Irena Netik EIT, *Secretary* • Joshua Hayes EIT, *Treasurer* • Tom McLean PEng, *Speakers* • Joyce Liu EIT, *Newsletter Editor* • Barry Brooks PEng, *Certificates* • Bill Fraser PEng, *Gold Foils* • James Bernaldez PEng • John Francis PEng • David Gibbs PEng • Aurelia Jacobsen • Henrik Jacobsen PEng • Shane Moore EIT • Gord Porritt PEng

West Kootenay Branch

Paul Meyer PEng, Chair

This past year our Branch carried on with a program of monthly (or near-monthly) guest speaker presentations during the winter. These included a visit from APEGBC President Dick Fletcher PEng as well as a presentation on Teck Cominco's re-opening of the Pend Oreille mine in Metaline Falls, Washington.

One of our guest speakers was BC's Minister of Management Services, the Honourable Sandy Santori, who literally traveled for 36 hours to get from Victoria to Trail due to bad weather. Sandy's presentation on the provincial government's future plans was of much interest to the small but enthusiastic crowd that gathered at Selkirk College. Members of APEGBC were joined by interested members of the public.

On a lovely Saturday last autumn, a large group of West Kootenay engineers took a tour of the crystal graphite facility near south Slocan. There we saw how this special form of graphite (used for fuels cells among other products) is mined, processed

and packaged. We also took the opportunity to have lunch in the sun and feed the well-trained and appreciative rainbow trout kept onsite in the outdoor pond.

Both Rich Thorpe PEng and yours truly (now Past and current Branch Chairs respectively) attended the 2002 AGM in Victoria and contributed to both daytime and nighttime activities.

We are looking forward to the next AGM being held in "the heartland" and hope to bring a small but enthusiastic crowd to attend.

Branch Executive

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

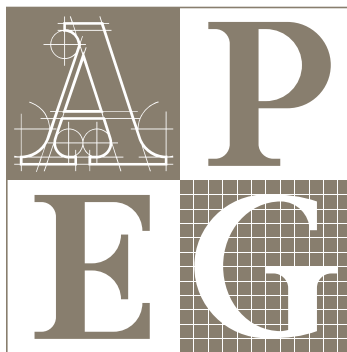


VISION

*BC's Professional Engineers and Professional Geoscientists enhance
and protect the quality of life and are recognized and respected by
Industry, Government and the Public.*

MISSION

*To advance and support a professional membership dedicated to protecting
the public and the environment, and creating economic value
through innovation and ingenuity.*



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