ROLE OF TECH PROFESSIONALS

BC Building Act Receives Royal Assent

In February 2015, the Province introduced a new Building Act to establish more consistent building requirements throughout BC. The Building Act is British Columbia’s first Act devoted solely to building and construction.

In March 2015, the new Building Act passed through the final Legislative process, achieving Royal Assent. This set the stage for Regulations to be developed and approved, following which key programs such as licensing of Building Officials will follow.

“The Building Act balances the consistency the construction sector desires with the flexibility local governments need and paves the way for greater innovation,” said Rich Coleman, Minister of Natural Gas Development and Responsible for Housing. “Streamlining building requirements will also help reduce construction costs and improve housing affordability.”

The Building Act introduces three main changes to BC’s building regulatory system:

• Consistency: It establishes the Province as the sole authority to set building requirements. The objective is to create more consistent building requirements across BC, while still providing local governments with flexibility to meet their needs.

• Competency: It establishes minimum qualification requirements for building officials to improve consistency in how the BC Building Code is interpreted, applied and enforced.

• Innovation: It supports local governments and other local authorities through the implementation of a provincial review process to evaluate innovative building proposals.

These changes will be introduced gradually as supporting regulations are developed and a transition period will give those affected ample time to prepare. The development of the Act involved extensive stakeholder consultation over many years.

“This is a key part of the Province’s commitment to improve and streamline the building regulatory system, and a historic moment for all British Columbians involved in building and construction,” said ASTTBC CEO John Leech, ASCT, CAE. “This statute will provide the much-needed foundational framework for regulating BC’s built environment. ASTTBC congratulates Minister Coleman, who has led the building file for the better part of a decade. Ministry staff under the leadership of Assistant Deputy Minister Jeff Vasey should also take a bow as their dedication and commitment to this initiative has not wavered in the decade it has taken to bring this legislation to reality.”

For more info, visit www.ASTTBC.org

PTECH

Update on PTECH at ASTTBC

IMPLEMENTATION of Professional Technologist (PTECH) has been a priority for ASTTBC for more than a decade. ASTTBC introduced PTECH in the ASTT Act & Regulations in 2005, but held implementation until such time as it became clear as to the route of other Technology Professional regulators in Canada. ASTTBC believes a national approach has emerged, with PTECH now in use in five provinces.

• A PTECH is an ASTTBC member who has acquired the experience and competencies of a technology professional. A PTECH has the professional and technical standing needed to offer professional services as part of a team or independently.

• A PTECH is an ASTTBC member who, by virtue of education, training and experience, is capable of taking responsibility for work that is generally bound by prescribed codes, recognized standards and established practice, provided such activities are not substantially the restricted practice of another professional. Where the work is restricted, a PTECH is not limited in scope of work or service when a professional with those practices has the appropriate qualifications.

A PTECH will be required to report annually on their continuing professional development and will carry errors and omissions insurance appropriate to the circumstances. A Professional Technologist’s practice will be audited throughout their careers.

For more info, visit www.ASTTBC.org

Published by ASTTBC

In its submission, ASTTBC offered a team of qualified practitioners is involved with the design, construction, commissioning, operation, testing and maintenance of mines. Full utilization of the members of the team will aid effective delivery of services and enable all skills.

• Practitioners providing services should be appropriately qualified, registered and accountable.

• Standards governing the design, construction, inspection and operation of mines should be formalized within the regulatory framework and used as reference by practitioners.

• Regulations to frame the regulatory environment, including the technical standards to be employed, roles and responsibilities of the various practitioners, and accountabilities.

“ASTTBC had an obligation to respond and assist the review of this failure,” said ASTTBC CEO John Leech. “As a professional regulatory body with members involved in the design, construction, commissioning, operation, testing and maintenance of mines, ASTTBC has much to say Mount Polley, ongoing.”

The new BC Building Act will establish more consistent building requirements throughout the province and provide the foundational framework for regulating BC’s built environment.

Annual Report 2014
This issue contains ASTTBC’s Annual Report, Check out 2014 accomplishments, financial results and more—pages 5 to 8

BC’s Economic Advantage

ASTTBC Certification Technologies

The new issue of ASTTBC Connect is printed on PEFC approved paper using eco-friendly inks and processes.

For more info, visit www.ASTTBC.org

Minister Rich Coleman (center) flanked by ASTTBC President Dave Rustedford (left) and CEO John Leech. ASTTBC presented Minister Coleman with a hand-carved eagle feather, a symbol of leadership.
A STTBC President Dave Rutherford (l) presents Robert Campbell, PEng, with his Honorary Membership at TARC 2014.

A STTBC Welcomes Three New Honorary Members

EACH YEAR A STTBC recognizes non-members who have demonstrated exceptionally meritorious service to the Association, their profession and the community. In 2014, Honorary Membership in A STTBC was awarded to three distinguished leaders.

At the A STTBC Technology Awards & Recognition Celebration on November 1, 2014, Honorary Membership was conferred on Robert Campbell, PEng, Board Chair of R.F. Binnie and Associates. Rob recently celebrated 40 years with R.F. Binnie. He started as a survey assistant and completed his engineering education on a part-time basis, while continuing to work full time. He progressed to surveyor, inspector and project manager before becoming a professional engineer. Rob took over running Binnie in 1986, serving as President from 1988 until 2013 and then becoming Board Chair. Binnie has grown from a staff of eight in 1986 to more than 160 today, and has twice been recognized as one of the fastest growing companies in Canada. A full 25 per cent of Binnie’s owners are A STTBC members. Regular staff includes 24 A SciTcs, three C Techs, an RT Mgr and eight CPW1. Binnie currently has 12 graduates with engineering diplomas training to become fully registered technologists under the guidance and mentorship of senior members of A STTBC and APIEBC.

A STTBC President Dave Rutherford (l) presents George Fletcher, C.E.T., with his Honorary Membership at TARC 2014.

Also at TARC 2014, Honorary Membership was awarded to George Fletcher, C.E.T., a retired Mechanical Engineering Technician from Ontario. George worked in senior engineering and management positions for Westinghouse Canada Limited for 18 years and for Metal Koting Continuous Colour Coat Limited for 30 years. He was President of the Ontario Association of Certified Engineering Technicians and Technologists (OACETT) 1968 – 69, and then became a Life Member. He was a member and chair of C C T T National Standards Committee from its inception in 1982, and was president of C C T T in 1976 – 77. In 1982, OACETT established the ‘Carole and George Fletcher Foundation’ in recognition of George’s leadership within the technology profession. George has been active in the development and growth of the Engineering Technology Profession in Ontario and Canada since 1962, including the creation of C C T T, development of the first National Technology Standards and, more recently, the continuing development of National Technology Benchmarks.

The Association of British Columbia Land Surveyors

Attention Geomatics Technologists and Technicians

The Association of British Columbia Land Surveyors invites you to consider a career as a commissioned professional land surveyor. If you are working in the field of cadastral land surveying and are not currently registered as a Survey Student please contact the Registrar at the Association office in Sidney (250) 655-7222 to sign up today.

For more information, check out our web site at…

www.abcls.ca
SINCE BECOMING the Minister of Advanced Education, I have been visiting colleges and universities in British Columbia, and I have talked with students from each institution to listen to their impressions, concerns and goals about education and training. I heard, first-hand, how students and experienced workers alike are making the choice to train — and in some cases retrain — to take advantage of opportunities in high-demand occupations. Technology careers — including those emerging in the liquefied natural gas industry — are growing. There are more than 84,000 tech jobs in BC and the tech sector generates $32.3 billion in annual revenue. Of all sectoral employment gains by 2022, 78% will require post-secondary education or trades and technical training. It is not surprising, then, that their careers, and lead interesting and satisfying lives in our growing economy.

It is not surprising, then, that the Government of British Columbia is targeting operating grants provided to public post-secondary institutions to support training for in-demand jobs, starting with $40 million in 2014 — 15 as outlined in the BC’s Skills for Jobs Blueprint. Funding for programs that support high-demand occupations will increase to 25% of annual operating grants provided to public post-secondary institutions, up to $460 million annually by 2017 — 18.

The BC Knowledge Development Fund — supporting the BC Technology Strategy — has also provided more than $550 million to post-secondary institutions since 2001. This funding supports world-class research and seeks to commercialize research results. Funding also helps to advance science and industry by giving BC students opportunities for hands-on experience. Government provides students with funding and training support. Our post-secondary institutions provide a strong educational foundation and Applied Science Technologists & Technicians of British Columbia (ASTTBC) offers students a bridge to the workplace through resources, networking and interview opportunities. Students are graduating with the knowledge, experience and connections to start their careers, and lead interesting and satisfying lives in our growing economy.

Our government is committed to putting British Columbians first in line for these jobs by providing the education and training they need. The Government of British Columbia is targeting operating grants provided to public post-secondary institutions to support training for in-demand jobs, starting with $40 million in 2014 – 15 as outlined in the BC’s Skills for Jobs Blueprint. Funding for programs that support high-demand occupations will increase to 25% of annual operating grants provided to public post-secondary institutions, up to $460 million annually by 2017 – 18.

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In Memoriam: Founding Member Howard Hedley, ASTTBC Past President

In January, ASTTBC learned that one of the Association’s founding members, Howard Hedley, ASTTBC President from 1962 – 1963, died at age 88. Howard helped frame the Association when a group of technologists and technicians gathered in the mid-50s to consider forming an association for architectural and engineering technologists and technicians. Registered as member #8008, Howard was one of the first to become registered with what was, on formation in 1958, known as the Society of Architectural and Engineering Technologists. He continued to provide leadership in many aspects of the Association over decades. ASTTBC extends its condolences to the Hedley family.

In the News... continued on page 9
Continuing Professional Development – Practice & Accountability

Technology Accreditation Canada Update

The ASTBC Code of Ethics and Practice Guidelines support protection of the public and the environment by requiring members to remain abreast of changes and developments in their discipline. Effective January 2015, all ASTBC members need to record their Continuing Professional Development (CPD) activities. To set up your CPD log, go to… cpd.astbc.org

You will be able to select from a wide range of CPD activities such as taking full or part-time education or training programs, teaching or giving training, attending conferences, volunteering and many more. The online CPD log automatically tracks your entry into the number of points you earn. An average of 20 CPD points/year over five years is required to comply with the new policy.

Online Self-assessment Tool

Many foreign-trained engineers who choose to relocate to British Columbia to further their careers encounter many hurdles to achieving their goal of enjoying the prominence and stature they may have had in their country of origin. The harsh reality is that engineering and engineering technology in Canada is a highly-regulated profession requiring qualified individuals to be registered by either the Association of Professional Engineers & Geoscientists BC (APEBC/G) or the Applied Science Technologists & Technicians of British Columbia (ASTBC).

These two regulatory authorities jointly developed an online self-assessment tool to help applicants determine if their education qualifications and work experience earnied outside Canada qualify for certification as an Engineer or as a Technologist or A Technology Professional (ITTP). Anyone completing the APEBC/G self-assessment who discovers their education qualifications fall short of the requirements to certify as an Engineer has another option, which is to be certified and registered with ASTBC as an AsCT or a CTech. Full details of certification requirements for ASTBC and a detailed self-assessment are available free at… www.technologyspecifications.ca

ASTBC Visits India in Partnership with BC Government

Last December a group from ASTBC, along with representatives from BCIT and the Ontario Association of Certified Engineering Technicians and Technologists (OMECTT), made a visit to India for the purpose of getting ‘on the ground’ and coming to a much better understanding of the education system in that country.

Because many immigrants come to BC and seek credential recognition through ASTBC, it is important that the Association has the highest level of understanding of their education in order to more effectively process their applications. Registrar Charles Joyner, AsCT, led the group, which included technology professional experts in civil, electrical, electronics, geomatics, information and mechanical technologies.

ASTBC has been working with the Ministry of Jobs, Tourism and Skills Training for several years to enhance ASTBC’s professional regulatory environment to address the needs of immigrants. ASTBC has made a number of strategic adjustments and introduced new resources, including:

• Created a dedicated website at www.ITTPBC.ca
• Produced a number of career videos to address key issues faced by the Internationally Trained Technology Professional (ITTP).
• Produced software that will eventually post information on a Canadian assessment of foreign credentials.
• Created a ‘Provisional’ registration so that ITTPs can be fully assessed before coming to BC/Canada.
• Removed the one-year Canadian experience requirement and replaced it with a statement of competencies required to get full professional registration.
• Created the ITTP Leadership Forum to help guide ASTBC initiatives.
• Visited the Philippines in 2012 to learn more about their education system.
• Visited China in 2008 as part of an OACETT initiative.

“The Ministry of Jobs, Tourism and Skills Training has been a great partner in moving ASTBC into a lead position in terms of enabling ITTPs as they seek full credential recognition and pursue meaningful careers in BC," said ASTBC CEO John Leech, AsCT, CAE. ASTBC has signed additional agreements with the BC Government and these projects will develop competencies for all Technical Specialists.
Message from the President & Chief Executive Officer

2014 was a year of turning up the heat on technology education and skills training in BC, as ASTTBC launched its new campaign, Technology Sizzles... Get Cooking with ASTTBC! It was a year in which ASTTBC played a vital role in raising the profile of technology careers in BC, in service to the BC public and to our members, the 10,000+ registered Technology Professionals who have committed to serve and protect the public interest.

2014 saw the third year of ‘Focus 2015: Practice & Accountability’ as a priority program to improve service to the public and the profession by enhancing ASTTBC’s professional regulatory framework, including policies, processes and services. This program enhanced mandatory reporting and auditing of Continuing Professional Development (CPD), peer reviews, practice reviews, mandatory errors and omissions insurance in some fields, and more. ASTTBC continued to work to secure Qualified Person (QP) status for its members and to identify the best way to introduce Professional Technologist (PTech) in BC.

2014 saw ASTTBC continue to work in support of the BC economy in partnership with the Government of BC. Foreign Qualification Recognition projects supported Internationally Trained Technology Professionals (ITTPs) in getting their credentials assessed to secure meaningful employment in their respective fields of applied science technology in BC. The knowledge gained from the Association’s efforts to improve the integration of ITTPs are being applied to improve ASTTBC policies and services for all applicants regardless of their place of origin.

2014 saw ASTTBC turn up the heat on its strategic direction for technology education and skills in BC, by promoting applied science and technology education in high schools as the pathway to ‘hot’ careers; increasing First Nations participation in technology education and careers; encouraging participation and career advancement for women in technology; and improving access for ITTPs.

2014 also saw the ASTTBC Foundation launch the ASTTBC Science, Technology, Engineering and Math (STEM) Fund to support annual science and technology education activities for K – 12 students in BC. This Fund helps the youth of today become the techs of tomorrow! The ASTTBC Foundation also provided close to $30,000 in awards and bursaries for technology students across the province.

2014 saw technology sizzle in its ongoing relationships, strategic partnerships and continued outreach to science and technology stakeholders, government, educators, industry and youth. ASTTBC members continued to enthusiastically share their expertise by volunteering for the ASTTBC certification and registration process, and participating on committees and boards.

At member meetings across the province, we continued to be impressed by the dedication of our members to their professions, their communities and to ASTTBC. Thank you again for your support. Together, we are making technology sizzle in BC!
**Highlights of ASTTBC Accomplishments in 2014**

Covering January 1st to December 31st. For more details, visit www.ASTTBC.org

**Goal #1 – Professional Legislation & Regulation**

In 2014, ASTTBC continued to consider options for implementation of the designation of ‘Professional Technician’ (PTech) in BC. ASTTBC spoke with the then Minister Responsible for the ASTT Act, Amir Vark (the portfolio was assumed by Andrew Wilkinson in December 2014), as well as Ministry staff and other elected Members of the Legislature. Minister Vark asked for ASTTBC’s implementation plan and took the initiative to speak with leaders at APEGBC. (In January 2015 ASTTBC Council decided it would proceed with implementation. Read about this on page 1.)

**Goal #2 – Rights to Practice**

ASTTBC continued to advance ‘Qualified Professional’ (QP) recognition for ASTTBC members. ASTTBC continued to be an active participant in the BC Government’s Professional Reliance initiative, considering models for identifying ‘Qualified Person’ (QP) status.

Work continued on the special certificate as an Electrical Work Practitioner (EWP) for registrants in electrical, electronics and biomedical engineering technologies who would, with ASTTBC certification, apply to the BC Safety Authority for a license to offer services in a narrow slice of electrical work.

2014 saw the first year of registrations for the Registered Reserve Fund Analyzer (RRFA) designation as a Technical Specialist. Enhancements to the ASTTBC Construction Safety Officer Certification Program resulted in increased registrations. The Registered Construction Safety Officer (RCSO) title was launched. The proposed new Public Works Technicians Registration Program moved forward with extensive industry consultation and working in collaboration with the First Nations Employment Society, Musqueam Band and Public Works Association of BC (PWABC).

The designation of Registered in Site Improvements Surveys (RISIS) was added to the BC Government’s Professional Reliance Program listing.

**Goal #3 – Professional Standards & Regulation**

ASTTBC continued to maintain its solid foundation in professional regulation and professional accountability, including the handling of formal complaints against ASTTBC registrants.

FOCUS 2015: Practice & Accountability. A professional reliance program emphasizing professional accountability, continued to be the priority for the Association as it carried out its mandate to serve the public interest.

The BC Government provided funding to ASTTBC to ensure common qualifications and licensing standards for onsite wastewater practitioners.

Technology Professionals Canada (TPC), an alliance of the BC, Alberta, Saskatchewan and Ontario technologist and technologist associations, continued work in 2014 on a new national accreditation model, which is anticipated to roll out in 2015. In late 2014, ASTTBC made a submission to the Mount Polley Independent Expert Engineering Review Panel that was established by the BC Government to review the August 2014 Polley Mine tailing pond failure and report to Government.

**Goal #4 – Professional Recognition**

In 2014, ASTTBC continued to enhance the Association’s liaison with employers, supporting employers in their staff development programs and producing a new flyer to promote the program.

ASTTBC continued its strategic marketing and communications program in 2014 to promote professional recognition of technologists, technicians and technical specialists. Media advertising, sponsorships, press releases and community meetings were ongoing throughout the year. ASTTBC participated in and sponsored key events with many organizations in the science and technology community, and appreciated their participation in turn for ASTTBC events.

ASTTBC continued to assist local governments to introduce a bylaw requiring ASTTBC certification to test and inspect fire protection systems.

ASTTBC fostered our working relationships with many groups, notably APEGBC, ACEC-BC, Technology Professionals Canada, WCOWM-BC, BCEDA, CME-BC, the Technology Education & Careers Council, Canadian Technology Accreditation Board, various regulatory bodies and post-secondary institutions delivering technology education in British Columbia.
Goal #5 – Member Services
The TechJOBS Career Listings online service for members and employers was expanded in its second year of operations. ASTTBC moved forward, in collaboration with the BC Government, on initiatives to assist Internationally Trained Technology Professionals (ITTTPs) as they enter the BC job market and settle their families.

ASTTBC continued to communicate with members and stakeholders via our monthly online ASTTBC e-News, targeted emails, the bi-annual ASTTBC Connect publication and postings on our website.

Our following on Twitter @ASTTBC continued to grow in 2014. Followers include ASTTBC members and friends, MLAs, employers, professional associations, regulatory bodies, science and technology councils, educators, and organizations promoting science and technology education and careers. ASTTBC social media channels continued to generate community engagement in 2014.

ASTTBC continued to offer Continuing Professional Development (CPD) opportunities for members. ASTTBC delivered workshops and lectures by webinar during the Annual General Meeting, and webinar use continued to increase.

ASTTBC’s Member Benefits Program updated TechCLUB products and services, and negotiated group discounts for members.

The results of a Member Satisfaction Survey were posted on the ASTTBC website.

Goal #6 – Technology Education & Careers
In 2014, ASTTBC continued to advance the importance of technology education to meet labour market demand in BC, supported by its research paper “A Strong Direction to Technology Education and Skills in BC.” ASTTBC celebrated National Engineering & Geoscience Month in March 2014. A special feature was published in the Kelowna Daily Courier newspaper. ASTTBC sponsored a number of events for youth, such as the Spaghetti Bridge and Math contest, the Okanagan College, the APCBC-ASTTBC Drawing Contest, and Big Little Science Centre in Kamloops. Radio ads promoted the message “Technology Sizzles… Get Cooking with ASTTBC!”

ASTTBC celebrated National Technology Week November 1st to 7th 2014 to create awareness about technology careers. NTW was promoted through ASTTBC e-News, ASTTBC Connect, Twitter and radio ads. ASTTBC was Lead Sponsor of the 9th Western Canada RoboCup Junior Competition at Okanagan College.

At the 2014 Technology Awards & Recognition Celebration on November 1, ASTTBC unveiled its third music video by The Kerplunks called Good Question, which teaches children about the basis of science – asking a good question and finding a good answer.

Goal #7 – Public Policy
In 2014, ASTTBC continued to enhance linkages with other key stakeholder groups, believing that through cooperation and collaboration ASTTBC will better serve the public interest.

In partnership with the Government of BC, ASTTBC implemented the “Working in BC” Project, which addresses the barriers facing Internationally Trained Technology Professionals (ITTTPs), including evaluation and certification of credentials, employment strategies and understanding the Canadian business culture. www.IITTPBC.ca

The Technology Education & Careers Council (TECC) continued to support ASTTBC by providing leadership and advocacy in advancing technology careers and education in BC, in response to the skills requirements of industry.

The First Nations Careers Council (FNCC) continued to explore joint opportunities with other stakeholders to work together to enhance technology careers within First Nations communities.

BC Women in Technology (BCWIT) increased activities in promoting the advancement of women in engineering and science technology careers.

The 5th annual ASTTBC TechGREEN Awards were presented at TARC 2014 to recipients who demonstrated leadership in green living, sustainable best practices, energy conservation and environmental initiatives.

ASTTBC and representatives from the Technology Education & Careers Council met in Victoria on May 14, 2014 with the Minister of Jobs, Tourism and Skills Training Shirley Bond, Minister of Education Peter Fassbender and Minister of Advanced Education Amrik Virk, and numerous MLA’s.
ASTTBC continued its successful approach to keeping the BC Government up-to-date with ASTTBC’s roles, responsibilities and programming. ASTTBC had formal and informal meetings and conversations with a number of BC Cabinet Ministers and MLAs in 2014, including:

- Hon. Suzanne Anton, MLA, Vancouver–Fraserview, Minister of Justice
- Dan Ashton, MLA, Penticton
- Harry Bains, MLA, Surrey–Newton
- Hon. Bill Bennett, MLA, Kootenay East, Minister of Energy and Mines and Minister Responsible for Core Review
- Mike Bernier, MLA, Peace River South
- Dr Doug Bing, MLA, Maple Ridge–Pitt Meadows
- Hon. Shirley Bond, MLA, Prince George–Yaichemount, Minister of Jobs, Tourism and Skills Training (Minister Responsible for Labour)
- Hon. Stephanne Cadieux, MLA, Surrey–Cloverdale, Minister of Children and Family Development
- Raj Chouhan, MLA, Burnaby–Metrotown, Assistant Deputy Speaker
- Premier Christy Clark, MLA, Westside–Kewlona
- Hon. Rich Coleman, MLA, Fort Langley–Aldergrove, Minister of Natural Gas Development and Minister Responsible for Housing, Deputy Premier
- Kathy Corrigan, MLA, Burnaby–Deer Lake
- Marc Dalton, MLA, Maple Ridge–Mission
- Hon. Mike de Jong, Minister of Finance MLA, Abbotsford West
- Adrian Dix, MLA, Vancouver–Kingsway
- Doug Donaldson, MLA, Stikine
- Mable Elmore, MLA, Vancouver–Kingsway
- Mike Farnsworth, MLA, Port Coquitlam
- Hon. Peter Fassbender, MLA, Surrey–Fleetwood, Minister of Education
- Rob Fleming, MLA, Victoria–Swan Lake
- Simon Gibson, MLA, Abbotsford–Mission
- Sue Hammell, MLA, Surrey–Green Timbers
- George Heyman, MLA, Vancouver–Fairview
- Gordon Hogg, MLA, Surrey–White Rock
- John Horgan, MLA, Juan de Fuca
- Douglas Horne, MLA, Coquitlam–Burke Mountain
- Martin Hunt, MLA, Surrey–Panorama
- Leonard Krog, MLA, Nanaimo
- Greg Kyllo, MLA, Shuswap
- Hon. Dr. Terry Lake, MLA, Kamloops–North Thompson, Minister of Health
- Richard Lee, MLA, Burnaby North
- Hon. Norm Lencz, MLA, Kelowna–Lake Country, Minister of Agriculture
- Don McRae, MLA, Comox Valley
- Mike Morris, MLA, Prince George–Mackenzie
- Michelle Munaggl, MLA, Nelson–Creston
- Dr Darryl Plecas, MLA, Abbotsford South
- Hon. Mary Polak, MLA Langley, Minister of Environment
- Bruce Ralston, MLA, Surrey–Whalley
- Hon. Linda Reid, MLA, Richmond East, Speaker
- Linda Reimer, MLA, Port Moody–Coquitlam
- Bill Routly, MLA, Cowichan Valley
- Hon. John Rustad, MLA, Nechako Lakes, Minister, Aboriginal Relations and Reconciliation
- Nichola Simon, MLA, Powell River–Sunshine Coast
- Hon. Michelle Stilwell, MLA, Parksville–Qualicum, Minister of Social Development and Social Innovation
- Dr. Moira Stilwell, MLA, Vancouver–Langara
- Jordan Sturdy, MLA, West Vancouver–Sea to Sky
- Sam Sullivan, MLA, Vancouver–False Creek
- Ralph Knudsen, MLA, West Vancouver–Capilano
- Hon. Steve Thomson, MLA Kewlona–Mission, Minister of Forests, Lands and Natural Resource Operations
- Jane Thornthwaite, MLA, North Vancouver–Seymour
- Laurie Throness, MLA, Chilliwack–Hope
- Hon. Amrik Virk, MLA, South Surrey–White Rock
- Premier Christy Clark, MLA, Premier
- Hon. Mike de Jong, MLA, Langley, Minister of
- Hon. Mary Polak, MLA, Langley, Minister of Environment
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### 2014 Revenue & Expenses

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**Goal #8 – Governance & Management**

ASTTBC enhanced e-business by providing Technology Registrations Canada (TRC), a self-assessment and application management website, in collaboration with Economic and Services Development Canada. TRC proved to be widely used by both Internationally Trained Technology Professionals (ITTP) in assessing their credentials and becoming registered with ASTTBC, and Canadian educated technology professionals applying to ASTTBC for certification.

ASTTBC continued to host member meetings around the province, the ASTTBC CEO John Leech met with members, business leaders and educators. In some cases, TQ in Technology and other ASTTBC awards were presented to recipients in their home communities and garnered attention by local media.

Both the Annual General Meeting & Conference and the Technology Awards & Recognition Celebration (TARC) were enhanced in 2014 by the generous and ongoing support of our event partners and sponsors.

In 2014, the ASTTBC Foundation provided close to $30,000 in bursaries and awards for technology students across the province. The ASTTBC Foundation launched the ASTTBC Science, Technology, Engineering & Math (STEM) Fund, made possible by a major gift by ASTTBC, to support annual science and technology education activities K-12 across the province. The Public Representatives on ASTTBC Council presented their sixth annual report to the AGM 2014. The report was subsequently sent to the Minister Responsible for the ASTT Act and posted on the ASTTBC website.

James Cole, MLA, was newly appointed as a Public Representative in 2014, while Brian Carr, PhD, continued to serve on Council. Tim Smith, PGeo, Eng., stepped down from his position due to business pressures. Council extended its thanks to Tim for serving on Council.

As of December 31st 2014, the ASTTBC membership stood at 10,555, including 8,453 technologists and technicians in all disciplines and 2,102 registrants in Technical Specialist groups. ASTTBC ended the year in a solid financial position with a modest surplus of $132,102 and with funds placed in reserve for special programs.
In the News… continued from page 3

Marcus Ewet-Johns, Vice President, CME-BC (seated at right) and ASTTBC CEO John Leech sign Memorandum of Agreement. Technology Education & Careers Council reps led their support (l to r) Paul Dangerfield, Campus Dean and Executive Director, New York Institute of Technology; Roslyn Kinam, Principal; Roslyn Kinam and Associates; Sid Siddiqui (TECC Chair); General Manager & Partner, MME Group; My Whitmarsh, Senior Consultant, Whitmarsh Enterprises; and, Harry Diemer, Principal, Harry Diemer & Associates.

Manufacturers & Exporters Sign MoA with ASTTBC

Marcus Ewet-Johns joined ASTTBC CEO John Leech, ASCT, CAE, in signing a Memorandum of Agreement that points to areas of common interest, such as the role of manufacturing and exporting to the BC economy and the need for technology skills. As CME Vice President for BC, Marcus is leading initiatives to enhance the profile of manufacturing and exporting. CME-BC’s members play a key role in the BC economy, with over 12,000 companies and 400,000 jobs making this sector the 3rd largest employer in BC.

“This MoA signals our common interest in working together to enhance profile and assure technology skills for manufacturing in BC,” said John Leech. “I anticipate the two organizations will prove great allies.”

On hand to support the MoA signing were members of the Technology Education & Careers Council, a group established by ASTTBC to help promote technology education and careers.

Grant Lachmuth, ASCT, RTMgr, appointed to National Accreditation Body

ASTTBC is pleased to announce the appointment of Grant Lachmuth, ASCT, RTMgr, to the Board of Technology Accreditation Canada (TAC), a national body responsible for the accreditation of technologist and technician programs in Canada. Grant is currently Director of Certification International, Canada Division, where he is responsible for business development and client relations within the Canadian marketplace and beyond. Prior to GSI, Grant was senior government advisor with Urban Systems and spent 36 years as a senior manager with the BC Ministry of Transportation and Infrastructure.

Nominate Someone for an ASTTBC Award

DO YOU KNOW OR WORK WITH an outstanding Technology Professional who is worthy of recognition for his or her contributions to technology, the profession of technology or through volunteering?

ASTTBC has a number of awards that recognize exceptional leadership and achievement, which are presented at our AGM in May, at the Technology Awards & Recognition Celebration in November, and at regional meetings year-round. Here are some examples:

• Professional Achievement
• Service Award
• Professional Leadership Award for Women in Technology

To nominate a well deserving person, including yourself, contact Cindy Atkinson, Manager, Governance & Events, cato@asttbc.org
BC Women in Technology Update

BCWiT PARTICIPATED in the 2nd Annual BC Public Works Association Workshop on March 3, 2015 in Richmond, celebrating International Women's Day and Successful Women in the Public Works and Technology Industries. Last fall, BCWiT Chair Sarah Campden, CTech, RTMgr, met with the Public Works Association of BC Executive Director Jeannette Austin to discuss partnerships between the Women of PWABC and BCWiT.

Last February, BCWiT Chair Sarah Campden, facilitated a BCWiT workshop with girls at the 27th Victoria Girl Guide unit. The girls learned about civil and structural engineering. BCWiT has been asked to facilitate a workshop to a Girl Guide unit in Prince George in June 2015, as well as other upcoming events.

In October 2014, three members of the BCWiT volunteer team attended the APEGBC Celebration of Women in Engineering and Geoscience event held in Vancouver. “There is a great connection between the women of APEGBC and ASTTBC,” said BCWiT Chair Sarah Campden, “and events like these allow them to collaborate and celebrate their achievements. The keynote speaker, Catherine Roome, P.Eng, was inspirational, as well as the announcement of the Sheri Plewes Scholarship for Women in Engineering.”

Also last October, Sarah Campden and her daughter Thea, facilitated a BCWiT workshop for 17 girls at the 2014 Pathfinder Summit held in Vancouver. Earlier in 2014, 60 girls participated in a similar challenge at the Girl Guide GUEST event at Vancouver Island University. The girls built structures out of dry spaghetti noodles and worked in teams in a water works challenge project.

Supporting the ASTTBC First Nations Legacy Fund (1 to 1): ASTTBC President Dave Rutherford, ASCT, BCIT, CEG, P.Eng, and ASTTBC CEO John Law, ASCT, C.A.E., met at the ASTTBC Office in Surrey. The ASTTBC Foundation provides matching funds for gifts to named endowments.

TechPROfile

KEITH TRULSON, ASCT, EngL, is President of Tru-Line Technologies Ltd., a fire suppression engineering consulting business based in Port Moody. Keith has been a member of ASTTBC since 1999. He is also a member of APEGBC as a Limited Licensee, EngL.

Keith started volunteering on the ASTTBC Practice Review Board in 2002, and advanced to the Chair in 2005. Keith became a member of ASTTBC Council in 2007, serving as a Director. Since then he has held the position of Secretary Treasurer and Vice President. Keith also serves as the Vice-Chair of the ASTTBC/APEGBC Joint Board, which is considering ways to enhance public safety by certifying qualified professionals on a competency based certification program.

“It has been an honour to serve ASTTBC in a volunteer role and I look forward to serving further in the future,” says Keith. “I have gleaned valuable lessons while volunteering, which have enhanced my abilities to perform in my business applications while continuing to promote technologists and technicians. I believe that it is imperative that volunteers continue to shape ASTTBC to enhance the professional status that technologists and technicians deserve in British Columbia.”

Keith graduated in 1984 from the BCIT Mechanical Technology Program with a Technology Diploma. In 1989, he re-enrolled at BCIT for a post diploma program in CAD Programming, and graduated with honours.

“I was very interested in mechanical engineering at an early age,” says Keith. “I felt that a technologist career would combine engineering knowledge with practical hands-on experience.”

To apply for the RTMgr designation, visit ... RTMgr.asttbc.org

What the RTMgr Designation Means to Members

by Keith Maldrum, ASCT, RTMgr
Project Coordinator, Arthon Industries Ltd.

In 2009, I remember reading information from ASTTBC about a new professional designation that was under development – Registered Technology Manager (RTMgr). This caught my attention and when I researched it further I learned that ASTTBC was developing this designation for ASTTBC members who are now working at or looking to move up to positions of managing in a technology environment.

This immediately resonated with me. Throughout my career, I was fortunate to have worked in a number of different positions, but the one constant is that they involved leadership or management. As a member of ASTTBC since college in the mid-1990s and a registered Applied Science Technologist since 2000, I felt the RTMgr designation was another important aspect of my professional development. As soon as it was announced that applications were being accepted, I completed and submitted my application package.

Certification as an RTMgr is not a simple or easy process, nor should it be. Applicants must be an ASCT or CTech, have a minimum of six years of management experience, and have achieved the requirements as established by the Registered Technology Manager Certification Board or have completed an approved education program and have a minimum of two years of relevant management experience in a technical environment. The identified competencies involve primary and secondary requirements that address typical duties required of a manager in a technology environment.

As a result of these high standards for certification, employers, clients and the general public can be assured that successful applicants have proven their skills and abilities. To the successful applicant, it reinforces and affirms one’s dedication, achievements and hard work, and allows them to be proud that they have achieved the stringent requirements set by the certification board.

I was pleased to see ASTTBC develop a professional designation that recognized the hard work and challenges associated with managing in a technology environment. I would strongly encourage all those members who meet these requirements to apply for this designation. As much as my designation as an ASCT recognizes and validates my education and technical capabilities in the applied sciences, my RTMgr designation recognizes and validates my management and leadership experiences and abilities.

To apply for the RTMgr designation, visit... RTMgr.asttbc.org
Membership in the ASTTBC Construction Safety program continues to increase at approximately 15% per year. As of March 2015, there are more than 320 members certified as a Provisional Construction Safety Officer (CSO) or a Construction Safety Officer (CSO). In addition, 36 former CSOs met the requirements and reclassified to Registered Construction Safety Officer (RCSO). Last year, all new members received a digitally-printed photo identification card and a helmet sticker, and for the RCSO designation, the right to procure and use a stamp. The program continues to develop, through further clarification of the competencies required for certification, and challenge exams for applicants with construction safety expertise, but no formal construction safety education or on-the-job qualification.

In March 2015, Bob Furlong was appointed as Manager of the Registered Fire Protection Technician (RFPT) program. The priorities for the next few months include improving the challenge exam process and doing a major revision to the Fire Protection Technician certification Board. Challenge exams for nine disciplines are being revised, and a network of examination centers in communities throughout BC has been developed. The examination centers provide proctored exam services resulting in a more credible examination process. The Verification of Fire Alarm Systems discipline remains in abeyance pending revision of the policy.

In October 2014, the Ministry of Health released the third edition of the Standard Practice Manual (SPM v3). To inform members of the changes in the revised SPM v3, ASTTBC organized 14 training workshops for Registered Onsite Wastewater Practitioners (ROWP). The 2-day training workshops repeated 4 times in 11 different locations throughout BC and attended by 475 ROWPs. An alternate form of delivering the important content from the training workshop is currently being developed to accommodate any remaining ROWPs and to provide an update for anyone transferring into BC or applying for initial certification. A series of webinars and alternate learning strategies is planned.

A government review of the regulatory framework for house inspection has resulted in proposed changes to improve the quality and credibility of the house inspection service. The regulation now states avalanche risk assessments must be conducted by a Qualified Person, whereas in the past, this work was exclusive to Qualified Avalanche Planners (QAP) or Registered Qualified Professors (RQP). The current QAP is the fastest growing Technical Specialist group within the ASTTBC. The ASBC Certification Board, constituted under the 2013 CSO Certification Policy, stated its wish to move ahead with authorizing a “QP” to address the shortage of QAPs and RQPs who perform this work and enable other competent practitioners.

WorkSafeBC Amends Avalanche Risk Assessment Requirements

In March 2015, WorkSafeBC’s amended Occupational Health and Safety Regulation (OHSR) came into effect. Although several other sections were revised, ASTTBC members with expertise in avalanche risk assessment, as prescribed under section 4.1.1 of the OHSR, are now recognized to be able to perform this work. Specifically, the regulation now states avalanche risk assessments must be conducted by a Qualified Person, whereas in the past, this work was exclusive to Qualified Avalanche Planners (QAP) or Registered Qualified Professors (RQP).

For more information on the amendment, visit the Regulation & Policy section of the disciplinary action.

Employees... ask for our Employer Liaison package to learn how technology professionals can benefit your enterprise.

For more information...

Shaping BC’s Future

www.cten.ca
ASTBC Supports Events in Science & Technology Community

ONE OF THE important ways ASTBC connects with the science and technology community across the province is by participating as a sponsor of industry and education events. Here are a few of the notable events in early 2015 supported by ASTBC:

• Bronze Sponsor of the Association of BC Forest Professionals Conference & AGM, February 18 – 20, 2015 in Nanaimo.
• Gold Sponsor of the Society of Punjab Engineers and Technologists of British Columbia (SPEATBC) Dinner and Awards Banquet on February 21, 2015 in Surrey.
• Bronze Sponsor of the CHBA BC Annual Georgie Awards on February 27, 2015 in Vancouver.
• Title Sponsor of the Okanagan College Annual Spaghetti Bridge Building Contest on March 6, 2015.
• Gold Sponsor of the Wood Design Awards of BC, Canadian Wood Council (WoodWORKS!) on March 2, 2015 in Vancouver.

In 2014, ASTBC sponsored the Camosun College Capstone Symposium, an event that showcases projects from the graduating students of the Electronics & Computer Engineering Technology Program. ASTBC Council Member David Sparanese, AsCT, CPW1, 3, attended on behalf of ASTBC, noted, “The projects that I saw were very interesting, innovative and forward thinking. With some fine-tuning and marketing, some of the projects were almost ready for mass production and available for the consumer market. I would like to extend my congratulations to the faculty and students who participated in this great event.”

ASTBC Celebrates National Engineering & Geoscience Month

NATIONAL ENGINEERING & Geoscience Month (NEG&M) is celebrated annually in March. Every year, events take place across the country to bring opportunities for young Canadians to learn about careers in engineering and geoscience.

Most young BC men and women – and their parents – currently overlook the stimulating and rewarding science and engineering technology careers. Why is this?

"Part of the reason is the push for youth to pursue a university education rather than the 'middle path' of a two-year diploma of technology,” said ASTBC CEO John Leech, AsCT, CAE. “An investment in these two-year programs pays huge dividends as graduates assume solid technical and leadership positions in most industry sectors.”

ASTBC supports the ‘middle path’ of two-year technical programs at BC’s colleges, BCIT and universities, citing that ASTBC members are well paid and enjoy rewarding careers that are recession proof. “The payoff is summed up in just one word – opportunity!” says Leech. “We see career opportunities for our young graduates, male and female, for Aboriginal people and new Canadians, becoming professional technologists, technicians and technical specialists.”

ASTBC technologists, technicians and technical specialists are a vital part of BC’s ‘Engineering Team’ and the Association promotes awareness of the engineering, geoscience and technology professions across the province. Here are a few highlights of NEG&M 2015:

• ASTBC ‘Member at Work’ Photo Contest captured technologists, technicians and technical specialists in their work environments, making a contribution to the engineering team.
• Radio ads and public service announcements on Radio NL in Kamloops and stations in other communities spread the message “Technique Sizzles... Get Cooking with ASTBC!”
• Co-sponsored with APEGBC to sponsor the 2015 NEG&M Drawing Contest to engage kids in science.
• Co-hosted with APEGBC a Student-Industry Mixer Night at BCIT to bring networking opportunities to BCIT engineering degree and technology diploma students.
• Title Sponsor of the 32nd Annual Okanagan College Spaghetti Bridge Building Contest in Kelowna.
• Published a special feature in the NEG&M section of the Kelowna Daily Courier.

Find more on NEG&M activities at www.asttbc.org.}

ASTBC

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GREGORY S MILLER
PENG, LBC

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Lindsay Kenney LLP
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LK LAW 1800, 401 West Georgia St.
Vancouver, BC, Canada V6B 1A1
Tel 604-687-1203
Fax 604-687-2347
gmlcfer@lklaw.ca
www.lklaw.ca