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The Alberta Land Surveyors’ Association is a self-governing professional regulatory association dedicated to providing the highest quality leadership to its members in the best interests of the public and the profession.

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Another recommendation that is being submitted to the membership is a bylaw change to allow the collection of Professional Surveyors Canada (PSC) dues from every member of our Association.

Where has the time gone? It just seems like yesterday that I was elected to Council as vice-president. Now I have less than two months before we have a new election and I will step down as president.

In the first year as vice-president, I hit the road running. I had not been on Council for awhile and I had the pleasure and the surprise of chairing the first Council meeting as our president was sick and not able to attend the meeting. It was intimidating to move into a role with fifteen minutes notice, but previous experience of chairing several committees had prepared me for such an event.

The remainder of the year as vice-president was a learning curve. The Association is involved in many different initiatives. We had the “Everything in its Place” ad campaign, replacing our government consultant, plus numerous items that popped up during the year. It is with this learning curve in mind that Council is putting forward to the membership a bylaw change that will make the president a non-elected position. This does not mean that you do not have the option of electing the president. But it does mean that when you elect the vice-president, he or she will be elected to a three-year term of vice-president, president and past-president. It better serves our Association to have a president who is current in Council initiatives and to have a president who has been part of our messages and dealings with the government.

This last year as president has gone by just as fast. At the Steering Committee one of the committee chairs was wondering if the committee had enough work for the size of the committee. I told him to be patient as there was always some issues that popped up during the year that would require the work of a committee. At this time, I do not know how many recommendations will be forwarded to the AGM for membership approval, but it could be in the double digits.

All the committees have done a tremendous job in getting through their terms of reference. It requires dedicated volunteers backed by a dedicated ALSA staff member putting in the hours. I would like to thank both the volunteers and the staff for all their efforts.

Your Council has also put in long hours attending committee meetings as council liaison and presenting the committee’s recommendation to Council. The monthly Council meeting often lasted up to seven hours at a time. Your Council members were each able to provide thoughtful opposing insights and yet be able to come together to reach a consensus. This year we are adding Council to the volunteer signup sheet. It is felt that we may be missing some people that would like to serve on Council, but have never been asked. My experience with Council was a life changer, as I had never really understood how the Association functioned. I was in my own little world working hard to make a living. Council changed all of that for me. I saw what the different committees did to make our industry better. Do not be shy about signing up as everyone has something that they can contribute to the discussion.

I think one of the most important changes that is on the horizon is the change to the articling pupil process. The ad hoc committee has done a great job in reviewing the articling pupil process and they have prepared a report on the recommended changes to the process. Some of the recommendations are changes to policy and these can be implemented fairly shortly. The ad hoc and the Registration Committee are working on this. Other changes will require changes in the regulations and at this AGM the membership will have an opportunity to vote on changes to the \textit{Examination & Training Regulation}. Once this passes the membership vote, it will be submitted to the government to have them revise the regulation.

Another recommendation that is being submitted to the membership is a bylaw change to allow the collection of Professional Surveyors Canada (PSC) dues from every member of our Association. PSC provides advocacy for the surveying industry. This is not a role that the provincial association can do. The ALSA is a regulatory body that protects the public. Across Canada, Saskatchewan, Manitoba, Nova Scotia and New Brunswick have all voted to collect the PSC dues for each member of their association. The presidents both current and past agree that there is a strong need for a national body that can act as the advocate for the industry. If an issue like Lightsquared was to rise up, how can we as surveyors respond if there is no national body like PSC?

Rob Scott, ALS
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The committee reviewed perceived bottlenecks, concerns from pupils and principals, results of examinations, input from the Registration Committee and input from the membership to determine what processes and practices could be improved.

In May 2012, the ALSA Council created the Articling Pupil Process Ad Hoc Committee to “review the entire articling system with a view to streamlining the process while still ensuring the competency of newly-commisioned Alberta Land Surveyors.” Over the past two years, the committee has reviewed the articling system and is developing changes to move forward.

The Articling Pupil Process Ad Hoc Committee (APPAHC) has proposed a number of changes to our articling process, for a number of different reasons. Some changes are because government has asked us to change. Some changes are to reflect the current practice. And some proposed changes should create a sustainable process for pupils to demonstrate their skilled practice and professional conduct in a more streamlined process.

The APPAHC has delivered on its terms of reference (http://www.alsa.ab.ca/Portals/0/PDF/Member_Resources/Reference_Material/Policy_manual_2012_final.pdf) and it is time for the membership to review.

**Regulatory Changes**

The regulatory changes have been reviewed by Council and is a recommendation for this year’s annual general meeting. A number of changes to the regulations are housekeeping in nature:

- Removing “Registrar” as point of contact for application, annual interviews (and so on) and replacing with Registration Committee or Association as this is the practice.
- Adding maternity/paternity leave extensions as has been in practice but not yet added to the regulation.
- Adding domestic trade agreement requirements and jurisdictional examinations that have been in practice but not included in regulation until now.
- Changing the Western Board of Examiners to the Canadian Board of Examiners for Professional Surveyors.

Other proposed changes to the regulation are to improve the existing system:

- Remove regulatory requirements for annual interviews.
- Adding the Chair of the Registration Committee, a member of Council, or the Registrar as options for taking the Oath of Office in addition to a Judge of Court of Queen’s Bench or Court of Appeal.
- Adding a meeting, rather than formal hearing, if articles are breached because of economic or extenuating circumstances.

Finally, one of the most significant proposed change to the regulations is including a three fail limit for examinations. If any exam is not successfully passed after the third attempt, the pupil’s articles are terminated. This is in-line with other professional examination processes and will help maintain the minimum competency required of our members. Pupils may apply to article again and may have prior service reviewed and possibly credited.

The Articling Pupil Process Ad Hoc Committee (APPAHC) has proposed a number of changes to our articling process, for a number of different reasons.

**Changes to the Registration Committee Processes**

The committee reviewed perceived bottlenecks, concerns from pupils and principals, results of examinations, input from the Registration Committee and input from the membership to determine what processes and practices could be improved. The articling pupil process report included the following (the details of each change currently in development):

- A course for principals to help understand the commitment, level of involvement and requirements to mentor a pupil.
- Two practical written exams, in “urban” and “rural” settings, where pupils must demonstrate their knowledge and understanding of the statutes, regulations and standards that affect
One of the most significant proposed changes to the regulations is including a three fail limit for examinations. Surveys and survey plans. The two exams would replace the survey profession, statute law and practical surveying exams currently in place. The intent is for candidates to exhibit their knowledge of what constitutes skilled practice and professional conduct in the written examinations. Both examinations will test the pupils’ understanding of the Land Surveyors Act and regulations, as well as our code of ethics.

- Two project reports chosen out of the existing six topics. Project reports are to be written at a professional level, showing involvement and understanding of processes from cradle to grave, but reducing the need for superfluous appendices.
- Create consistency by developing specific guidelines and marking templates for writing examination questions; qualifying examination format and content; and project reports.
- Update the Pupil Handbook to reflect all proposed changes to both regulatory and Registration Committee processes.
- Create an implementation plan for pupils who are partially completed under the current process and a clear start date for incoming pupils.

Although these changes are not recommendations on the floor of the 2014 AGM, I strongly recommend the membership take the time to read the Articling Pupil Process Ad Hoc Committee final report which was submitted to Council for further understanding of the review.

Ultimately it is up to the pupil and the principal to determine if the candidate is prepared for each step in the articling process and the Registration Committee to set the examinations to prove that competency.

I recently attended a call to the bar and the judge made comments about articling (to become a lawyer) that resonated with me. Although I have searched high and low, I can’t properly reference the comments but wanted to share nonetheless:

> From this day forward and for the rest of your life you represent all the men and women who share this profession with you. Our profession will be judged by your conduct for you will be the living evidence of the standards, the aspirations, and the ideals of the legal profession (from some call to the bar, somewhere in Ontario, around 1995, quoted by The Honourable Madam Justice J.B. Veit, November 29, 2013).

The comment above is true of our profession as well. The proposed changes to our articling system are intended to improve the process for pupils, principles and membership with the end goal being a strong profession that protects the public in our area of practice. “Change is inevitable - except from a vending machine.”

> Robert C. Gallagher

Ashley Robertson, ALS
It is always gratifying for someone who writes an article for ALS News (or for that matter, any author who writes any article for any magazine) to learn that people are actually reading what they are writing.

Recently, the Association office was contacted by a member who read about a decision in Council Report. This member was interested in a decision that Council had made but wanted to know why the matter was not going before the entire membership at the annual general meeting for a vote.

There are many matters which do go before the membership at an annual general meeting for a vote but there are also many matters which are left in the hands of Council to make a decision.

Let me take a moment to explain which issues go to the annual general meeting and which ones don’t and perhaps a short explanation of why they do or why they don’t.

First, any changes to Association’s bylaws must be approved by a majority of Alberta Land Surveyors present and voting at an annual general meeting. Why? Section 17(2) of the Land Surveyors Act tells us that we must take bylaws amendments to the membership for approval. How do we know that something goes into the bylaws as opposed to a regulation or a policy? Section 17(1) tell us what matters can be turned into bylaws.

Similarly, section 16 of the Land Surveyors Act tell us what matters can be turned into regulations and section 16(2) states that a regulation does not come into force until it is approved by a majority of the Alberta Land Surveyors present and voting at an annual general meeting. At the upcoming annual general meeting there will be several recommendations that pertain to bylaw and regulation amendments which will be debated and voted on. Very clearly, bylaws and regulations amendments need to go forward to the annual general meeting.

What is less clear, however, is amendments to the Manual of Standard Practice. Where does it say that proposed changes to the Manual of Standard Practice go to an Annual General Meeting for a vote?

Proposed changes to acts (as opposed to regulations) are also taken to the membership for debate and a vote. However, unlike regulations, there is no requirement that the membership vote on amendments to the act. In fact, there is no requirement that Council even approve act changes; the legislature can change the act even if the Alberta Land Surveyors’ Association opposes it. If the profession wants to see an act changed, it is much easier to sell the change to the government knowing that the membership has voted in favour of it.

Between annual general meetings, there are many decisions which Council is asked to make. Some are straight-forward and routine while others maybe significant and profound. A few years ago, Council approved a Continuing Competency Review program to replace the former Systematic Practice Review program. The Committee Chair, Connie Petersen, presented the program to the membership as information although it was not
put forward for a vote. Similarly, the Articling Pupil Process Ad Hoc Committee put forward changes to the articling process but the membership is not being asked to vote on it (the membership will be asked to vote on changes to the Examination and Training Regulation which deals with part of the articling process but Council approved the non-regulatory changes). Why were these issues not sent to the membership? Council could have chosen to send these matters to a vote but decided not to do so. The membership elects Council to run the affairs of the Association and to make decisions on their behalf with the understanding that the decisions protect the public interest.

Connie Petersen, now chairing the Nomination Committee, did her best to make sure a slate of candidates was put forward to serve on Council in the upcoming year. This Council, like those before and those that will come, will direct what issue committees will deal with and make decisions that reflect the will of the membership and service the public.

As always, Council is interested in hearing from the membership about any decisions it has made or is about to make. The best to way to ensure your voice is heard and the Alberta Land Surveyors’ Association represents you is to serve on an Association committee and let your name stand for Council. I look forward to the discussion and debates that I know will take place in Banff. See you there.

Brian Munday
On September 25, 2013, the Director of Surveys approved and confirmed the Red Earth West Bicentennial Lagoon Settlement in Township 87-9-W5M as an official plan. The settlement is registered at the Land Titles Office as Plan 132 3799.

On September 25, 2013, the Director of Surveys approved and confirmed the Fox Creek East Settlement as an official plan. The settlement is registered at the Land Titles Office as Plan 132 4327 and is located in Township 62-19-W5M within Municipal District of Greenview No. 16.

As part of the Mackenzie County Stage Two official survey, new editions for townships plans 108-9-W5M, 106-10-W5M, 107-10-W5M, 108-10-W5M and 107-11-W5M were approved and confirmed on December 11, 2013. In addition, on January 9th, 2014 the Director of Surveys approved and confirmed a Separation of Area plan within Township 107-11-W5M which is registered at the Land Titles Office as Plan 142 0319.

On January 9th, 2014, the Director of Surveys approved and confirmed the Halfway Creek Maintenance Yard Settlement in Township 87-9-W4M and Crow Lake Maintenance Yard Settlement in Township 79-14-W4M as official plans. Halfway Creek Maintenance Yard Settlement is registered as Plan 142 0349 and Crow Lake Maintenance Yard Settlement is registered as Plan 142 0350 at the Land Titles Office.

Calling all Young Surveyors to the FIG Young Surveyors Network!

Established due to the lack of young professionals within the International Federation of Surveyors (FIG), the FIG Young Surveyors Network (FIG YSN) is an international network of young professionals (aged 35 years and under and/or having graduated from a Bachelor or Masters not more than 10 years ago). The definition of a young surveyor is broad to ensure that all those who need the network have access to it. But perhaps first it helps to know a little more about the FIG?

The FIG is the premier international organization representing the interests of surveyors worldwide. It is a non-government organization—a federation of the national member associations - whose purpose is to support international collaboration for the progress of surveying in all fields and applications. It provides an international forum for discussion and development aiming to promote professional practice and standards. Surveying internationally is defined very broadly—there are ten commissions in the FIG, spanning the fields of professional standards and practice, professional education, spatial information management, hydrography, positioning and measurement, engineering surveys, cadastre and land management, spatial planning and development, valuation and the management of real estate and construction economics and management.

So how does this help YOU, as a young surveyor? The FIG Young Surveyors Network serves as a ‘bridge’ connecting you with other surveyors worldwide and most importantly your local or national surveying organization—typically your FIG member association (these are listed on the FIG website). Not being a member of this association, or this association not being a member of the FIG does not preclude your involvement with the network! But typically a member association will receive greater benefits from the FIG and similarly, as a young surveyor you’re missing out if you are not connected with other professionals though such an association!

Young surveyors may experience challenges of loneliness, inspiration or lack of training and job opportunities. That’s where the FIG Young Surveyors Network comes in. We are primarily present online—through our quarterly newsletter at www.fig.net/ys and we are very active on Facebook: FIG Young Surveyors. We also have Twitter and LinkedIn, but these sites are growing. By using those channels young surveyors from around the globe—from Moldova to Barbados, Nigeria to Australia and beyond—are present and connected, posting their questions, their ideas and their inspirations online. An increasing number of jobs, scholarships and other opportunities are being posted on these sites too!

Beyond simply an online network, though, the key aims of the FIG YSN include to:

- Represent young surveyor interests within the FIG;
- Improve young surveyor awareness of and involvement in FIG; and to
- Support local, regional, national and international networks of young surveyors by providing a forum for sharing knowledge, skills and experience.

YSN Structure

What we understand is that rapid generational change—in technology, in information, in economy, in environment—is changing the way surveyors do business, and changing the community—and professional—needs from surveyors. Young surveyors have a unique role to play in addressing this change—particularly as bridges themselves between communities (who may hold the information, but don’t know how to use it) and other professionals. Young surveyors themselves have needs also—not simply mentoring and education, but strategic needs such as removing the boundaries in the international job market (e.g. through mutual recognition of registration). The aim is that the FIG Young Surveyors Network can contribute by addressing these strategic needs, as much as the immediate needs.

So, now that you’ve read this article—where to next? Here’s a few quick bullet points:

1. Check us out online
   - Facebook: FIG Young Surveyors
   - Twitter: FIG_young
   - LinkedIn: FIG Young Surveyors
   - Email: fig.youngsurveyors@gmail.com

2. Attend an event near you (or not near you)—combine it with a holiday!
   - Find more details at www.fig.net or by emailing fig.youngsurveyors@gmail.com
   —North American Young Surveyors Meeting held during the CLSA/NALS Conference, April 14-15th, San Diego, California
   —2014 FIG Congress, June 16-21st, Kuala Lumpur, Malaysia
   —And more at www.fig.net

3. Actively participate online, and let us know if you’re available for an active role. We need people to contribute to and edit our newsletter, run some ex-
Scholarships

I am writing you today to extend my sincere thanks. I am one of the recipients of the Alberta Land Surveyors’ Association scholarships for this academic year. I am grateful to be recognized for my hard work at school.

Third-year geomatics is challenging. Your contribution will make it easier to focus on my studies and worry less about student loans. I will do my best to make this another successful year.

Your contribution means I get to concentrate more on my schoolwork and less on my financial burden. Thank you again for your generosity and consideration.

Brett Radford
Red River College

I would like to extend my sincere thanks to the Alberta Land Surveyors’ Association for the generous scholarship they have awarded me through the Geomatics Technology program at Red River College. I greatly appreciate the Association’s time, consideration and generosity.

Working in the geomatics field has been a goal of mine for some time now because I love working outdoors and I appreciate the diversity of opportunities this field offers.

This scholarship will be very helpful in paying for my tuition towards a diploma in Civil Engineering Technology. I will be graduating from this program this spring, and I look forward to getting into the workforce so I can spend my time doing work I love, continuing to learn about surveying and geomatics, gaining practical experience, and learning under the guidance of experienced surveyors.

Receiving this scholarship is a great honour and the recognition really reinforces my motivation to always do my best at school. Again, many thanks for your generosity and support in helping me achieve my goals.

Daniel E. Abrahamson
Red River College

I would like to thank the Alberta Land Surveyors’ Association for their generous gift of $1,500. It was encouraging to receive this award as I put a great deal of effort into my schooling and this was a good motivation to strive even harder as I approach graduation.

This money helped pay my tuition without needing to procure a student loan, which has been one of my goals while I am in post-secondary schooling. I am looking forward to continuing my education in the filed of geomatics as I leave the classroom and join the workforce come April.

Thank you for your commitment each year to helping students as myself pay for their college education.

Robert Griffths
SAIT

As the recipient of the J.H. Holloway Scholarship, I would like to express my heartfelt thanks for your generosity in providing this award. I was very surprised and appreciative to learn that I was the selected recipient of your award.

I am currently in my second year of Geomatics Engineering Technology at NAIT and upon graduation I am hoping to attend university in order to attain the P.Eng title. This scholarship will go a long way in making this possible.

Thank you again for your generosity.

Scott Sinclair
NAIT

As the recipient of the Alberta Land Surveyors’ Association award I would like to thank you for the generous donation. Your generosity will help pay my next semester’s tuition as I continue at BCIT.

I am currently in my second year of the geomatics program and plan on continuing my education after completing the diploma program. I grew up in the lower mainland area of Vancouver and enjoy sports, the outdoors and math, which is what drew me into the geomatics program at BCIT. I am enjoying the geomatics program and the variety of courses I have taken thus far. After I graduate, my career goal is to become a professional land surveyor. From attending BCIT and gathering knowledge through work experience it should give me a good chance to achieve my goal.

I appreciate you making the Alberta Land Surveyors’ Association award possible, I am very thankful of the generosity shown to me. Thank you again for your donation.

Spencer Kristensen
BCIT

The University of Calgary has set our Eyes High on becoming one of Canada’s top five research universities, fully engaged in the communities we both serve and lead. Student success is paramount to everything we do. Thank you for supporting student awards at the University of Calgary—with the support of donors just like you, we can recruit and admit the best and the brightest to our academic programs.

Each September, more than 31,800 students walk through the University of Calgary campus gates. By supporting scholarships and bursaries at the University of Calgary, you help our students focus on their studies without the added financial pressures often associated with pursuing a post-secondary education. You also recognize the academic accomplishments of our top scholars. Your contribution makes a real difference to their success.

I am pleased to share with you the grateful recipients of the awards that you support.

On behalf of our students and all of us here at the U of C, thank you for your generosity and commitment.

Marilyn Wile
Associate Director of Development, Student Awards and Strategic Giving

Legal

The case ARC Resources Ltd. v. Meston is missing the most important part—the decision and reasons. I’ve gone online and read it. The background and the issues leave the reader in limbo. I hope you will print the remainder in the next issue for the benefit of the membership.

G.K. (Ken) Allred
ALS, Hon. Life

See page 38 to read the decision and reasons.
New Members

#926 BALL, Brian

Brian Ball began surveying with Stewart Weir in 1990. In the past 23 years, he has worked with a variety of distinguished survey firms allowing him the opportunity to gain experience in rural and urban legal surveys, industrial surveys, engineering surveys (including roads, construction and municipal water and sewer), large diameter pipeline surveys and some general oil and gas surveys. Two of these years were enjoyed living in Victoria, BC working with Focus. He completed his CBEPS qualifications in 2008 and is a licensed CLS, receiving his commission in 2009. Articles were served under Al Nelson from February 2009 until moving to Victoria and becoming a labour mobility candidate in Fall 2010. He received his ALS commission on December 13, 2013 and is currently employed with Baseline Geomatics Group Ltd. in Drayton Valley.

Brian has served on the ALSA Standards, Public Relations, and Professional Development committees and is currently on the ABCLS Professional Development Committee and the ACLS Public Awareness Committee. He is a member of PSC, ASSMT and an associate member of the ABCLS.

Brian, Bobbi (his wife) and their two sons Jackson (15) and Ian (12) currently reside in Sherwood Park and their daughter Kaitlin (18), remained in Victoria to attend college (and escape winter).

Brian is a U of A Golden Bear Alumnus and enjoys coaching and playing hockey, golfing, scuba diving, and sadly, is dealing with the realization that he is no longer 19 and bullet proof.

#927 MADARASH, Nicholas

Nicholas Madarash graduated in 2002 from NAIT with a diploma in Geomatics. Articles were served under Alberta Land Surveyor Lyall Pratt until he received his commission on January 14, 2014. Nicholas is employed with Can-Am Geomatics Corp. in Sherwood Park.

Employment experience is in the oil and gas industry.

Leisure activities include playing organized sports in hockey and soccer, game nights with friends and family, as well as wrestling with his daughter.

Nicholas and his wife Amber have two children: Erika, age 6 years, and Ian, age 7 months.

#928 ELLIS, Brandon

Brandon Ellis graduated in 2008 from the University of Calgary with a degree in Geomatics Engineering. Articles were served under Alberta Land Surveyors Ross Woolgar and Arlin Amundrud until he received his commission on February 10, 2014.

Current employment is with Morrison Hershfield Geomatics Ltd. in Calgary. Brandon is also an engineer-in-training with APEGA.

Employment experience is in the municipal sector.

Leisure activities include softball, golf and tennis in the summer; snowboarding in the winter.

He resides in Calgary with his girlfriend Ashley.

#929 WORKMAN, Jason

Jason Workman graduated in 2009 from the University of Calgary with a degree in Geomatics Engineering. Articles were served under Alberta Land Surveyors Jeff Boutilier and Larry Pals until he received his commission on February 14, 2014. Current employment is with Pals Geomatics Corp. in Edmonton. Jason is also an engineer-in-training with APEGA and has a CLS commission.

Leisure activities include camping, spending time at our cabin at Long Island Lake, water skiing, quading and snowboarding.

Jason resides in St. Albert with his wife Sarah.

#930 KULYK, Curtis

Curtis Kulyk graduated in 2003 from SAIT with a diploma in Geomatics Engineering Technology. Articles were served under Alberta Land Surveyors Jeffrey Johnson and Ross Woolgar until he received his commission on February 20, 2014. Current employment is with Eclipse Geomatics & Engineering Ltd. in Calgary.

Leisure activities include fishing and hunting.

Curtis resides in Calgary with Shakti and their children Nicholas (4 years) and Dominic (1.5 years).
Updates . . .

For up-to-date contact information, log on to the ALSA website.

ACTIVE

Brian Ball was commissioned as an ALS #926 on December 13, 2013 (see corporation update).
Nitin Bansal is now located in the Edmonton office of Universal Geomatics Solutions Corp.
Land Bily is now longer employed with Midwest Surveys Inc.
Patrick Boudreau is now employed with Valard Geomatics Ltd. in Leduc.
Jason Coates have moved to the Fairview office of Quest Geomatics Inc.
Real Comeau is now employed with Global Raymac Surveys Inc. in Medicine Hat.
Richard David opened up Quantum Geomatics Ltd. (see corporation update).
Brian Doyle is now listed as a sole practitioner.
Brandon Ellis was commissioned as an ALS #928 on January 10, 2014.
Shawn Ewen opened up LW Survey Canada, ULC (see corporation update).
Bill Halma is now employed with MPE Halma Land Surveys Ltd. in Lethbridge.
Curtis Henrie is now employed with CIMA Geomatics Land Surveying Inc. in Calgary.
Lorraine Hortness is now employed with Vista Geomatics Ltd. in Calgary.
Bruce Jones is now listed as a sole practitioner.
Mark Koncan is no longer employed with Gridline Technical Surveys.
Wojciech Kubacki have moved to the Calgary office of Precision Geomatics Inc.
Curtis Kulyk was commissioned as an ALS #930 on February 20, 2014.
Byron Laurie is now employed with Integrated Geomatics Inc. in Grande Prairie.
Nicholas Madarash was commissioned as an ALS#927 on January 14, 2014.
Les Mehrer has moved to the Medicine Hat office of Focus Surveys Limited Partnership.
Tony Melton is now listed as a sole practitioner.
Robert Molaski is now employed with Precision Geomatics Inc. in Calgary.
C. Wade Pennell has moved to the Calgary office of Can-Am Geomatics Corp.
Mark Prevost is now listed as a sole practitioner.
Jacek Pyc is now employed with BHP Billiton (non-surveyor’s corporation).
Marty Robinson has moved to the Red Deer office of Altus Geomatics Limited Partnership.
Andrew Roop opened up Pasquini & Associates Geomatics Ltd. (see corporation update).
George Smith is now employed with Stantec Geomatics Ltd. in Red Deer.
Floyd Strochinski is now employed with Vista Geomatics Ltd. in Calgary.
Drew Suder is now employed with Integrated Geomatics Inc. in Grande Prairie.
Stephen Vollick is now listed as a sole practitioner.
Gerald Whaley is now listed as a sole practitioner.
Cathy Wilson is now employed with Urban Systems Survey Inc. in Calgary.
Jason Workman was commissioned as an ALS #929 on February 14, 2014.
David Young is now employed with Valard Geomatics Ltd. in Leduc.

RETIRED

Ronald Eichel is now a retired member.

CORPORATIONS

Allnorth Geomatics Limited has closed its Fort McMurray office. Their head office is now located in Grande Prairie.
Baseline Geomatics Group Ltd. was cancelled as a surveyor’s corporation on December 31, 2013.
Baseline Geomatics Group Ltd. was approved as a surveyor’s corporation on March 6, 2014 under the supervision, direction and control of Brian Ball, ALS.
CAP Geomatics Ltd. was cancelled as a surveyor’s corporation.
D.A. Watt Consulting Group Ltd. opened up a new branch office in LloyDMINSTER under Michael Szarmes, ALS.

Global Raymac HIW Surveys (a division of Global Raymac Surveys Inc.) has changed its name to Global Raymac Surveys Inc.

LW Survey Canada, ULC became a surveyor’s corporation (P285) under the supervision, direction and control of Shawn Ewen, ALS.

MPE Geomatics Ltd. has changed its name to MPE Halma Land Surveys Ltd. The Lethbridge office remains under the supervision, direction and control of Michael Thomson, ALS. The Calgary office is under the supervision, direction and control of Jason Klein, ALS.

Munro Global Surveys (a division of Global Raymac Surveys Inc.) has changed its name to Global Raymac Surveys Inc.

Pasquini & Associates Geomatics Ltd. became a surveyor’s corporation (P284) under the supervision, direction and control of Andrew Roop, ALS.

Quantum Geomatics Ltd. became a surveyor’s corporation (P286) under the supervision, direction and control of Richard David, ALS.

Rachynski Land Surveys (1998) Ltd. was cancelled as a surveyor’s corporation on November 7, 2013.

Roop Geomatics Inc. was cancelled as a surveyor’s corporation on January 30, 2013.

Strategic Survey Services Ltd. was cancelled as a surveyor’s corporation on January 30, 2013.

Vision Geomatics Inc. was cancelled as a surveyor’s corporation on March 6, 2014.

ARTICLED PUPILS

Amy Badinski changed her name to Amy Grandinetti.
Pascal Desmarais signed articles with Bruce Drake, ALS of Urban Systems Survey Inc. in Edmonton on November 15, 2013.
Shana Davis signed articles with Robert Morrison, ALS of Millennium Geomatics Ltd. in Calgary on February 4, 2014.
Ryan Dick signed articles with Duane Haub of Midwest Surveys Inc. in Calgary on November 27, 2013.
Andrew Healy signed articles with Purdy Smith, ALS of Measurement Sciences Inc. in Calgary on December 12, 2013.

Joel Hergott signed articles with Tyler Robinson, ALS of Focus Surveys Limited Partnership in Calgary on November 26, 2013.

Mark Horneman is now employed with Stantec Geomatics Ltd. in Calgary. He transferred articles to Mark Woychuk, ALS on January 6, 2014.


Nicholas Juryn transferred articles to Greg Stromsmoe, ALS on January 17, 2014.

Pavlo Karbovnyk is now employed with Focus Surveys Limited Partnership in Edmonton.


Jean-Sebastien Gauthier-Mathieu has legally changed his name to Jean-Sebastien Mathieu.

Matthew McAdam signed articles with Richard Deis of Challenger Geomatics Ltd. in Calgary on October 11, 2013.

Alex Perkins transferred articles to Ron Bridges, ALS on January 16, 2014.

Josh Warwick is now employed with Element Land Surveys Inc. in Calgary.

Jordan Westera transferred articles to Wayne Savoury, ALS on February 18, 2014.

ASSOCIATE

Kelly Erick became associate member #AS097 on December 5, 2013. Employment is with SexSmith Surveys Ltd. in High River.

Jorge Gonzalez is now employed with Integrated Geomatics Inc. in Calgary.

Kim Mehr became associate member #AS099 on February 5, 2014. Employment is with Can-Am Geomatics Corp. in Grande Prairie.

Michael Metcalfe has moved to the Red Deer office of Altus Geomatics Limited Partnership.

Dan Mikaluk became associate member #AS098 on January 30, 2013. Employment is with Precision Geomatics Inc. in Calgary.

Colin Rose is now employed with ATCO Electric in Grande Prairie.

AFFILIATE

Douglas Cairns became affiliate member AF056 on March 5, 2014. He is employed with McElhanney Land Surveys Ltd. in Calgary.

Shawn Klimchuk became affiliate member AF057 on March 5, 2014. He is employed with McElhanney Land Surveys Ltd. in Fort St. John.

Medieval Theme Friday Night

Your presence is requested at the “Castle in the Rockies.”
2014 NOMINEES

FOR PRESIDENT

Al Jamieson, ALS

- Born in Red Deer, Alberta in 1954 and raised in Delburne.
- Graduated from SAIT in 1975.
- Articled to D.L. Tronnes, ALS and R.D. MacDonald, ALS.
- Obtained ALS commission in 1982.
- Obtained CLS commission in 1993.
- ALSA Vice-President in 2013-2014.
- Past chairman and long-time member of Standards Committee.
- ALSA representative on CAPP Geomatics Committee.
- Chair of ERCB Liaison Group.
- ALSA representative on Enform Chainsaw Certification Committee
- Previous employment with Alberta Environment, Tronnes Surveys (1977-1979) and Raymac Surveys Ltd. (1979-2010).
- Principal with Global Raymac Surveys Inc. since inception in December 2010.
- Residence in Calgary with wife Barbara. Proud father of three married children and grandfather of one granddaughter.
- Hobbies include curling, golf and water skiing.

FOR VICE-PRESIDENT

Greg Boggs, ALS

- Employed by Alberta Transportation Survey Dept. from 1979 to 1982.
- Received B.Sc. from University of Alberta in 1988.
- Articled to J.J. Hagen, ALS in 1990.
- Received ALS commission in November 1995.
- Worked with Stewart, Weir & Co. Ltd. on land claims in 1995.
- Received CLS commission in April 1997.
- Employed by McElhanney Land Surveys (Alta.) Ltd. in 1996 through to April 2005.
- Began work with Universal Surveys Inc. in May 2005 as vice-president and became president effective April 1, 2009.
- Member of ALSA Council 2009-2011
- Continue to work as president of Universal Geomatics Solutions Corp. 2009-Present
- Member of Institute of Corporate Directors 2013
- Worked on numerous ALSA committees including the Registration Committee and Discipline Committee.

FOR COUNCIL

Jacques Dupuis, ALS

- Born in Edmonton, Alberta in 1965.
- Graduated from Austin O’ Brien High School in Edmonton in 1983.
- Began surveying in 1984.
- Graduated from University of Alberta, BSc. Survey Science in 1992.
- Articled to John Wallace ALS in 1995.
- Received Alberta Land Surveyor Commission in 1997.
- Reside in Calgary with wife of 26 years, Rhonda. Two sons Mathieu and Nicolas.
- Regular Volunteer at the Calgary Food Bank and Calgary Minor Hockey.
- Current Facilitator with Eclipse College.
- Member, Convention and Social Committee (1997-1999).
- Past Chair, Convention and Social Committee (1997-1998).
- Six Years as member of the Registration Committee (2001-2007).
- Member of Continuing Competency Working Group.
- Member, Practice Review Board (2007-2010).
- Past Chair, Practice Review Board (2009-2010).
- Current position is President and CEO of Can-Am Geomatics Corp.
- Interests include camping, motorsports, and travel.
Additional nominations may be made by two Alberta Land Surveyors, with the consent of the nominee and at the floor of the Annual General Meeting being held between the dates of April 25th to 26th, 2014 at The Fairmont Banff Springs Hotel.
It’s that time of year again when land surveyors from all across the province will gather to meet and discuss the hot topics of the day and maybe have a beverage or two. This year, it looks like there will be proposed changes to regulations, bylaws and, as always, the Manual of Standard Practice. Every year, there is some section of the Manual that gets changed and it usually leads to a discussion amongst the profession about whether it is a standard a guideline or maybe even something else.

According to Wikipedia, “a guideline is a statement by which to determine a course of action. A guideline aims to streamline particular processes according to a set routine or sound practice. By definition, following a guideline is never mandatory. Guidelines are not binding and are not enforced.”

Meanwhile, “a technical standard is an established norm or requirement in regard to technical systems. It is usually a formal document that establishes uniform engineering or technical criteria, methods, processes and practices.”

The word standard is from an Old Frankish term for a field sign (not necessarily a flag). Field signs were used in early warfare at least since the Bronze Age.

The use of flags as field signs apparently emerges in Asia, during the Iron Age, possibly in either China or India. Early field signs that include, but are not limited to a flag, are also called vexilloid or “flag-like,” for example the Roman Eagle standard or the dragon standard of the Sarmatians. The Roman vexillum itself is also “flag-like” in the sense that it was suspended from a horizontal crossbar as opposed to a simple flagpole.

Use of simple flags as military ensigns becomes common during the medi-
eval period, developing in parallel with heraldry as a complement to the heraldic device shown on shields. The maritime flag also develops in the medieval period. When provincial and territorial flags are flown with the National Flag of Canada, the order is based on the date of entry into Confederation of the provinces followed by the territories.

The National Flag of Canada should always be flown on its own mast - flag protocol dictating that it is improper to fly two or more flags on the same mast (eg, one beneath the other). Further, the following points should be kept in mind:

• The National Flag of Canada should not be used as table sea cover, as a masking for boxes or as a barrier on a dais or platform.
• While it is not technically incorrect to use the National Flag of Canada to cover a statue, monument or plaque for an unveiling ceremony, it is not common practice to do so and should be discouraged.
• Nothing should be pinned to or sewn on the National Flag of Canada.

A patent is a right, granted by government, to exclude others from making, using, or selling your invention in Canada. The Patent Office is a part of the Canadian Intellectual Property Office (CIPO) and is responsible for granting patents in Canada. CIPO is an agency of Industry Canada. In addition to patents, CIPO is also responsible for most other intellectual property rights including trade-marks, copyright, industrial designs, and integrated circuit topographies.

The main functions of the Patent Office are to:

• receive and examine applications for patents and grant patents to qualifying applicants;
• record assignments of patents;
• maintain search files of Canadian and other patent documents and a search room for public use in researching patent documents and records; and
• publish and distribute patent information.
According to the Globe & Mail, “in early 2005, two employees at Mississauga-based Certicom Corp. began filing a patent application for a type of random number generator using a mathematical concept called elliptic curves. The patent also described another functionality – a set of keys that could be used, for example, by “trusted law enforcement agents” to do an end-run around the encryption.

Today, many of those people are coming to the conclusion that the flaws in the algorithm were not the product of sloppy work, but deliberately inserted to make it easy for at least one spy agency – the National Security Agency – to break the encryption.”

The National Security Agency was established on November 4, 1952, by order of President Harry Truman. This decision followed the nation’s important work in breaking German and Japanese codes during WWII, which contributed to Allied success against the German U-Boat threat in the North Atlantic and victory at the Battle of Midway in the Pacific, and other contributions. President Truman’s decision to establish NSA followed several studies on how best to continue this code-breaking work in the post-war era.

“The National Security Agency/Central Security Service (NSA/CSS) leads the U.S. Government in cryptology that encompasses both Signals Intelligence (SIGINT) and Information Assurance (IA) products and services, and enables Computer Network Operations (CNO) in order to gain a decision advantage for the Nation and our allies under all circumstances.”

The NSA currently has jobs available for their Cryptanalytic Computer Network Operations Development Program and their Intrusion Analyst Skill Development Program.

http://www.nsa.gov

And if you don’t understand any of that… You might want to attend Mike Wojdak’s presentation at the AGM entitled “Using the Cloud, Data Security and Hacking”

Mike has consulted on security and cloud migration for FBI Cybercrime and CSIS CyberWatch. He is a leading authority on Dropbox for Business.

See you in Banff!
Announcement:

MAPTEK I-SITE SCANNERS ARE

Mining technology provider Maptek™ has appointed Brandt Positioning Technology as a reseller of Maptek I-Site™ 3D laser scanning systems in Canada.

Brandt Positioning Technology is the largest technology solutions provider to the survey, engineering, mapping, construction, mining, and agricultural sectors in Canada. Brandt pairs leading edge technology with an unrivaled commitment to customer service and support.
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MAPTEK I-SITE 8810 - Long Range Scanner
- FAST
- PORTABLE
- ACCURATE
This Maptek I-Site 8810 Laser Scanner is the next generation of scanning hardware delivering increased productivity and versatility. This system includes a long range laser scanner and high resolution panoramic camera to offer digital imaging combined with user-friendly features in a streamlined, premium survey package. Contact us for complete details.

MAPTEK I-SITE 8200 - Underground Scanner
- TOUGH
- RELIABLE
- VERSATILE
This Maptek I-Site 8200 Laser Scanner is a rugged, user-friendly new tool to handle underground survey applications. Portable and versatile, the new I-Site 8200 boasts the signature workflow of all I-Site scanning systems. In demanding underground operations, this system delivers safety, easy set-up, and comprehensive scan coverage that’s both fast and accurate. Contact us for complete details.
The Old Man Sits in the Corner

By Ken Johnson, ALSA Associate Member

Ken Johnson is an associate member of the Alberta Land Surveyors Association, a professional engineer, and a professional planner (RPP), with Stantec. He is known to a few ALSs through his participation in the 2008 and 2011 David Thompson Brigades.

The old man sits in the corner of my office; he does not get out much anymore, given his age and the fact that the younger generations cannot truly understand his generation (see figure 1). He spends his time in quiet contemplation of times gone by, and he receives the odd complement about his looks, his age, and what he has experienced during his lifetime.

His name is “George Paoli,” although he has no certificate of birth, his father was a craftsman by the name of John Paoli, of Hoboken, New Jersey. John Paoli was the head of the Department of Instrument of Precision & Fine Mechanics at Keuffel & Esser works in Hoboken. John Paoli was an Italian, who was trained as an optical instrument designer in Florence, Italy and immigrated to North America.

He was born, so to speak, in 1908 weighing 9 pounds in Hoboken, New Jersey. George comes from a very large family, and spent the latter part of his life in the Kootenay region of Western Canada. He was very handsome at one time (see figure 2), and he now definitely looks his age at 106; his complexion is tarnished, and he has lost a few pieces, but everything is in working order.

George is a transit as you have probably guessed, and he is in fact a light mountain transit with a “bent frame construction,” which was a deliberate part of his construction, and not the result of some mishap in the field. The transit is commonly referred to as a “twisted frame transit” in reference to the “twist” in the standards; Keuffel & Esser referred to this type of standards as “Bent Standard.”

The bent standard design was configured so that the four legs of the vertical frame connected to the base symmetrically at 90 degrees to each other. The original design was modified so that the legs did not require as much “bending,” but were still connected with unique offsets forward and back for the legs (See Figure 3).

The twisted frame transits were more difficult to make and were more expensive; Keuffel & Esser manufactured this unique transit from the late 1890s until 1917. In 1913, the list price was $220, and the unique aluminum vertical circle guard that George has, was an additional $5.

The unique construction and its benefits is described by John Paoli in his patent number 453,158 from May 26, 1891 (see figure 4).

George came to be part of my family over thirty years ago when his previous owner, an old-timer who lived up the road in Nelson BC, wanted a newer and more useful survey instrument. George was traded for a brand new plastic sextant, which cost one hundred dollars at the time – what a deal that was.

George has, was an additional $5.

The unique construction and its benefits is described by John Paoli in his patent number 453,158 from May 26, 1891 (see figure 4).

George came to be part of my family over thirty years ago when his previous owner, an old-timer who lived up the road in Nelson BC, wanted a newer and more useful survey instrument. George was traded for a brand new plastic sextant, which cost one hundred dollars at the time – what a deal that was.

George is a minor celebrity around my office, given his age, and the unfamiliarity with most of the individuals I work with—anyone under the age of forty has probably only seen pictures of the Old Man and his contemporaries. George has also been on television, in a cameo appearance on a History Channel documentary in 2004. He played the part of a “turn of the century” transit for a documentary on the 1898 to 1900 construction of the White Pass and Yukon Railway from Skagway to Whitehorse.

George is named after my grandfather, George Johnson, who was born in 1908, and although he was not a surveyor himself, his son, Raymond George Johnson is a British Columbia Land Surveyor (BCLS) and a Professional Engineer (P.Eng.). Raymond has recently retired after 55 years of professional practice in the Kootenay region of British Columbia, receiving his BCLS commission in 1958. He also has 66 years of practical experience, since he started surveying at the age of 15 in 1947. I myself am a SOBCLS (Son of a BCLS), who chose to pursue a career in engineering only, but has remained interested in the surveying profession in general, and the Old Man in particular – both the transit and the people (George and Raymond).
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I’ve been asked, what’s the most surprising finding from Phase 1? I have to say it is the number of drafting errors I’m seeing.

Phase 1 Area for Improvement—Reducing Drafting Errors

I have been asked, what’s the most surprising finding from Phase 1? I have to say it is the number of drafting errors I’m seeing. To date, 379 products have been reviewed in Phase 1. At least three drafting errors were found on 174 of those. This seems like too many. Fortunately, of the 174 plans found to have drafting errors on them, 113 only had minor errors that didn’t affect the integrity of the survey.

Wellsite plans are by far our best product. Drafting errors were found on 31% of the wellsite plans examined. However, more than half of the subdivision plans examined, 55%, contained several drafting errors. Drafting errors were found on about 50% of the other plans examined. A breakdown of the drafting errors found on different products is provided in Table 1 (the number of each product type reviewed is in brackets).

<table>
<thead>
<tr>
<th>Plan Type</th>
<th>Minor</th>
<th>Moderate</th>
<th>Major</th>
<th>Total</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>Monument (1)</td>
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<td>0</td>
<td>1</td>
<td>1</td>
<td>100</td>
</tr>
<tr>
<td>Condominium (7)</td>
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<td>1</td>
<td>2</td>
<td>4</td>
<td>57</td>
</tr>
<tr>
<td>Disposition (23)</td>
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<td>2</td>
<td>12</td>
<td>52</td>
</tr>
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<td>R/W (63)</td>
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<td>32</td>
<td>51</td>
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<tr>
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<tr>
<td>Wellsite (107)</td>
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<td>6</td>
<td>4</td>
<td>33</td>
<td>31</td>
</tr>
<tr>
<td><strong>Totals (379)</strong></td>
<td><strong>113</strong></td>
<td><strong>34</strong></td>
<td><strong>27</strong></td>
<td><strong>174</strong></td>
<td><strong>46</strong></td>
</tr>
</tbody>
</table>

Table 1 - Number of plans with drafting errors (by product type and error classification)
It’s also very interesting to look at the breakdown of these drafting errors from a demographic perspective. Figure 1 indicates that a product submitted by an ALS with more than 15 years experience is more likely to have drafting errors on it than a product submitted by an ALS with less than five years experience.

This finding seems somewhat counter-intuitive. However, based on what I see in the files submitted, there might be an explanation. When I examine the plan, field notes, calculations sheets and checklists submitted by an ALS with less than five years of experience I see evidence of considerable involvement by the ALS. It is normally very clear that the ALS assessed the evidence, did some, if not all of the calculations and personally checked the plan. Based on the statistics, the challenge to ALSs with more than five years experience is to emulate this level of involvement without neglecting other business, supervisory and administrative responsibilities. One strategy to improve a plan preparation process might include becoming more involved in the training and education of plan checking staff. Practically speaking, this might mean spending some time showing, and teaching, staff how you checked a plan when you first received your commission.

As I noted in previous ALS News articles, many of the drafting errors found in Phase 1 were obvious and could have been easily avoided with a bit more care and attention to detail. Indeed, many drafting errors occur when text is copied, pasted and not updated. Another common error is that the numbers in a detail don’t match the numbers on the body of the plan. Although I do not have data to verify this, I think if copying and pasting is avoided, closures are done for all figures and the information in the detail is compared to the information on the body of the plan, the number of drafting errors could be reduced by up to 20%.

Based on this it seems that significant gains in the quality of our products may be achieved by making a small change to drafting procedures and adding two items to a plan checklist. If these small actions are taken, I suspect that we will see a significant reduction in the number of drafting errors found during Phase 2 reviews.

Scott Westlund, MEnv, P.Eng, ALS
Director of Practice Review
and Boundary Panel Manager

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**Notice to all Members**

**2014/2015 Membership Dues**

The annual membership fees and annual levies become due on April 1st in each year and are payable on or before April 30th as per the Association bylaws.

**Credit Card Payments?**
Can be made online by logging onto the ALSA website (select mymember-renew dues) or through www.alsa.ab.ca/mm/ or by phoning the ALSA office.

**Wondering if your dues have been paid?**
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SECTION 47
DELA YED POSTING

The Practice Review Board reviews various types of products submitted by practitioners during the Continuing Competency Review. Section 47 plans can be registered at both the Land Titles Office (LTO) or the Métis Settlements Land Registry. The following article touches on Section 47, from origin, to current legislation, and possible practice options that could be implemented with the main priority being to increase the survivability of placed statutory iron posts. Delayed posting under Section 47 is the recommended option where the subdivision plan must be registered prior to completion of the subdivision or a phase of a multi phase subdivision.

The competition between a boundary on the ground demarcated by statutory iron posts and its mathematical definition by coordinates has been an ongoing discussion since the inception of delayed posting in 1975. Almost fifty years ago, Bill 77 was introduced by MLA Tom Chambers and passed into law. Among other survey related powers it introduced delayed posting (DP), at that time called deferred posting, DP until after construction of subdivisions was seen as a convenience to register plans, a solution to eliminate the need to replace posts destroyed by construction, to speed up the erection and sale of new housing and provide home owners the enjoyment of a clear defined lot boundaries. One item that has proven to be a welcome result was a reduced destruction of the survey posts compared to Section 45 methods.

The DP was viewed as an alternative that a land surveyor could offer to his client and it proved quickly to be fully accepted by land developers, and has been commonly used on small to large subdivisions throughout the province since 1977. The Section 47 process was documented in a report to the ALSA in 2001 entitled “Survival of the Fittest: Deferred Posting of Residential Subdivisions in Alberta” - Ballantyne and Khan. The report addressed the survivability of iron posts in Alberta subdivisions under immediate posting and delayed posting. The study found a 12% increase in the survivability rate of survey posts when DP is used and that deferring posting "until construction is done or nearly done saves the physical infrastructure (i.e. posts) from damage by contractors’ activities."

Other products for the developers are primarily plot plans and real property reports, which are based on controls established, as well as the coordinates from the registered Section 47 plan. The integrity of the established reference control network is an over-riding requirement for the DP process to function well.

Standards

Part D, Section 2 of the current Manual of Standard Practice deals with DP. The major standards are summarized as follows:

1. The survey and reference control network must be integrated with ASCMs, with reference control markers placed in locations to ensure survivability until completion of posting and offer redundancy in observations.

2. All perimeter posting must be placed prior to registration. Discretion is used by the ALS where construction may destroy the post. When the perimeter is common to an unposted boundary from a previous Section 47 plan the coordinate positions will govern until the time a monument certificate is registered. If different ALSs are involved in such a scenario they will need to harmonize their plans and surveys to ensure that no conflicts may occur along the common boundary.

3. Within one year of the registration of the plan at Land Titles Office (LTO) the ALS will place the posts or submit to the Director of Surveys (DOS) the request for an extension. This will need to be done on an annual basis until the placing of posts is complete. The justification for the extension will be explained later in the article. An option here is to file a partial monument certificate with LTO. All certificates shall contain details of the monuments placed, offsets used and reasons for not posting locations. Certificates should be registered with LTO as soon as posts are placed - this removes the ambiguity as to the values of the coordinates, gives legal standing to the placed posts, and provides assurance to users of the placed posts that they govern the boundaries.

4. Section 47 plans should be prepared on one sheet, but if required a second sheet can be used that will only contain information relevant for the period the statutory posts are not in place.

5. Grid coordinates in NAD 83 Original or NAD 83 CSRS must be shown on the plan or separate documents registered concurrently with the Section 47 plan.

On September 1, 2013 the Director of Surveys office made the following policy changes regarding granting extensions to a Section 47 plan. In addition to the reason for extension and the length of time being requested for a monument certificate, the new policy also requires the surveyor as a part of the extension request to include the following information: verification that the original control still exists, the estimated percentage of constructed houses and shallow utilities; can a partial monumentation certificate be used and if not why; and finally, when granted extensions are over four years the surveyor is to provide facts on how the monumentation will be completed. The Director of Surveys noted that “this is to fulfill the intent of Section 47 of the Surveys Act while maintaining the integrity of the land survey system and preserving the public interest.”

The ALSA office diligently tracks the delayed posting process and extensions given to the ALS for all delayed posting surveys in the province. With the recent Director of Surveys policy, it now has the added responsibility of ensuring the surveyor has justified the need for extension.

continued on page 32...
This book is about the life history of the family of Ross and Verna Tate. As such, it is full of personal stories about their respective youth and their families, how they met, their children and of course Ross’s career as a land surveyor in Manitoba, Alberta and in fact across the west and the north.

The book however has one very important message for all of us—we all live interesting lives and we need to record that history for posterity. While the primary audience for the Tate’s initiative was for their own families, they have set down their history for all to see, read and enjoy. Filled with pictures, copies of letters, Ross’s interesting article entitled Ross’s Railroads, it is a great coffee table book with substance.

Having travelled extensively in retirement, they have shared their experiences and some great colour photographs. Ross’s pre-retirement travels in exotic places like northern Manitoba in the wintertime and the Northwest Territories are the subject of less colourful (black and white) photographs that will be of particular interest to survey colleagues.

All in all, I commend Ross and Verna (especially Verna because I’m sure she was the driving force) for putting this tome together and for donating a copy to the Alberta Land Surveyors’ Association library.

G.K. Allred, ALS (Hon. Life)

GUARDPOST...continued from page 31

Posting

The timing of the posting of the subdivisions, either in parts or in their entirety and the survey methods used are critical to the success of delayed posting. The interpretation of “after construction” can be taken many ways. I prefer to think of it as after rough grading, installation of shallow utilities and common rear fencing. This is reasonable and typically completed within one year of the registration of the plan. This has nothing to do with construction completion of housing units. We can find situations where the entire subdivision is constructed, all housing erected, fenced, landscaped without any subdivision lots posted. Such a situation increases the difficulty of monumenting as it entails disturbing land owners and obtaining permission for access. Furthermore, the landowners, builders, other land surveyors do not have the enjoyment of fully posted lots. If a lot is not posted, the real property report (RPR) needs to be based on plan coordinates and not on the actual lot posts. Subsequent updates after posting must be done using the actual survey posts for a given lot.

With the practice of builders to erect houses right to the property setbacks, we need to be able to survey to an accuracy of one centimetre for stake outs and RPRs.

With shallow utilities, the use of Alberta One-Call is required and this can take from a few days to several weeks for larger subdivisions. Working with Alberta One-Call in supplying plans and aiding the field locators helps move this process along.

The need to post lots in a timely manner is an essential factor Section 47 delayed posting. Posting too early or too late flies in the face of the entire concept of delayed posting. The PRB has found examples where up to 75% of posts are destroyed during a field inspection of a Section 47 plan. This could be termed fully unacceptable, and the practitioner’s process needs to be adjusted.

Difficulties - Resolutions

The timing of placement of posts is likely the largest problem with survivability of the survey posts. The ALS must follow the subdivision construction and installation of shallow utilities to gauge the correct time for Alberta One-Call and for crews to commence the posting. Occasionally larger subdivisions are not constructed fully and the ALS may file a partial monument affidavit to record the placed monuments.

Often for posting locations that are unable to be posted due to fencing or other obstacles, a reference post can be placed a distance from the obstacle. There is an argument that this may cause confusion with users of the posts. It is true, but if recorded properly on the affidavit, it should clarify these situations. Personally, I would rather have a reference post than no post at all.

Survey tools that we use today have vastly improved since the commencement of delayed posting in 1977 and the result has been primarily increased productivity and efficiency. Survey methodologies should be reviewed as it is likely that RTK (GNSS) equipment may not be the best equipment to place posts for short distances in a straight line, without some additional methods taken into consideration. There may be other survey equipment more suited to performing these tasks, and more likely maintain the accuracy of our work.

Summary

This article has looked at the Section 47 delayed posting surveys for subdivisions. It has emphasized the requirement for the ALS to keep up-to-date on the progress of construction, installation of shallow utilities and internal control placed for the surveys required prior to posting and filing of a monument certificate.

The use of Section 47 in the land subdivision process is of great benefit to surveyors, developers, builders and land owners. However, it is up to the ALS to ensure that it is done correctly and with the intention of doing the upmost to ensure survivability of the placed survey posts.

David McArthur, ALS
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It is about that time of year where we start thinking about wrapping up our tasks before the Annual General Meeting. The 42nd Alberta Society of Surveying and Mapping Technologies Annual General Meeting will be held on May 30th and 31st at the Best Western Plus Chateau Inn in Sylvan Lake. We are hoping that this location in central Alberta will allow for members from different ends of the province an equal opportunity to attend. Of course, our AGM Committee is always looking for vendors that are interested in attending, and sponsorship for the meeting.

For the Alberta Society of Surveying and Mapping Technologies, we have spent a great deal of this year working on plans to boost our membership, both in number of members, and the involvement of the current members. We have also been working with the Alberta Land Surveyors’ Association on the Registered Survey Technologist designation.

Our Public Relations Committee has been tasked with updating various materials, including brochures, our webpage, and presentations. It had been quite some time since some of these materials had been looked at, and were beginning to show their age. As we all know, technology in our industry is constantly changing, and even our PR materials should not get left behind. We are also aiming to attend more post secondary functions, hoping to pique the interest of students early in their surveying career. We have had great interest from Lethbridge College when we have sent members there to speak to the students. It is always great to put a face to the name of these student members, and even this year’s bursary winner.

Even though the ASSMT current membership numbers are around 250, we have the recurring issue of member involvement. In an effort to find out how to overcome this, our Membership Committee created and distributed an online survey. We received around 60 responses, and these will give the committee an idea on areas that the society will need to improve on in the upcoming year. I personally hope that we can gain enough interest so that our more involved members will not need to hold multiple positions on committees and council in order for the Society to operate.

Since receiving the Getting it Right seminar package, the ASSMT has struggled to coordinate and plan the seminars to the same standard as ALSA was presenting. Our plan is to make the seminar available to as many members and non-members as we can, both online, and in person. Our Education Committee is working hard on this task at this time.

One of the largest undertakings this year has been the RST designation. As I type this, I have open beside me an article from the March 2010 ALS News written by Darryl Larson, CST. He writes about the work that the ASSMT-ALSA MOU Implementation Committee had been doing in 2009. I am humbled by the dedication of the individuals that have been involved over the past five or more years to create this registered designation. We are so very close to having the designation recognized by both the ASSMT and the ALSA. I look forward to the future when we are registering these qualified individuals.

At this time, I would like to thank all the members of my ASSMT Council, all of the committee chairs, and committee members. Without all of your selfless volunteer hours, we would not exist. Another hard working individual I would like to thank is our Executive Assistant, Cathy Bleay, who will be resigning after our AGM. Cathy always goes above and beyond to help out the Society and has been an excellent voice and point of contact in our office.

And as registrar of the ASSMT, I would also like to thank the members of our Panel of Examiners, and Certification Board. You gentlemen were excellent at moving our certification applications along in 2013.

I wish our incoming president, Kevin Laiss, my best wishes in the new year. It will be a very exciting year, and I am just happy to be involved even in the smallest way. 

Morgan Booker, CST Registrar
Promotions

The Head of the Department, Dr. Derek Lichti, is pleased to announce the promotion of Drs. Michael Collins and Kyle O’Keefe to Professor and Dr. Quazi Hassan to Associate Professor as of April 1, 2014.

The City of Calgary River Flood Mitigation Program

Dr. Marceau joins a nationally and internationally recognized Expert Management Panel to develop the overall mitigation program and recommendations, on Watershed Management, in response to the floods of June 2013.

Technológico de Monterrey

Please join us in congratulating Ruisheng as he has been chosen as 1 of 15 academics to be part of the Global Faculty Program at Technológico de Monterrey, Guadalajara, Mexico. The program is aimed at gathering together faculty members from all over the globe for an international academic experience.

SSE 2013 Faculty & Staff Awards

Please join us in congratulating:

- SSE Teaching Assistant Excellence Awards - Coral Bliss Taylor and Babak Amjadiparvar
- Department of Geomatics Engineering Graduate Educator Award - Danielle Marceau
- Department of Geomatics Engineering Teaching Award - Michael Collins
- Department of Geomatics Engineering Research Excellence Award - Steve Liang
- SSE Award for Excellence in Leadership - Courtenay Canivet
- SSE Service Excellence Award - Kyle O’Keefe
- Social Committee Volunteer Award - Kirk Collins
- Instructor Performance Acknowledgement - Derek Lichti and Mark Petovello

Best Paper Award

Congratulations Dr. Ali Jafarnia, PLAN Group post-doctoral fellow, who was presented with a Best Paper Award at the 4th International Colloquium Scientific and Fundamental Aspects of the Galileo Programme held in Prague, December 4–6, for his paper on “Spoofing Counter-measure for GNSS Receivers - a Review of Current and Future Research Trends,” co-authored by Saeed Daneshmand and Gérard Lachapelle.

The paper is available on Project #26 of the PLAN Group website.

Top 40 Under 40 by Avenue Magazine

Congratulations go out to Steve and Mohamed for being named Top 40 Under 40 by Avenue Magazine, who celebrate Calgarians who are doing more, doing better and making us all take note.

Steve is recognized for his work on the Internet of Things project. A series of systems that connects sensors embedded in everyday objects to the Internet. The interconnectivity of everyday objects.

Mohamed is recognized for his research on satellite imaging and creating sensors to analyze tremors in patients with Parkinson’s disease. As well as being the co-founder of Micro Engineering Tech Inc.

Why We (the Professors) Decide to Stay at the University of New Brunswick

On the first leg of the flight home from San Diego last Thursday (from a GPS conference in San Diego), I frequently glanced at the in-flight entertainment system of the passenger ahead of me. She was watching the movie “It’s a Wonderful Life.” Yes, it’s more of a Christmas movie - but go figure.

Anyway, one scene showed George (of course, played by Jimmy Stewart) giving up his dreams of moving away from Bedford Falls and finding fame and fortune elsewhere. And it reminded me of why those of us from away decided to stay in Fredericton and to continue teaching and doing research at the University of New Brunswick.

We might have had offers to move on and to take appointments at other, possibly more prestigious universities, but we decided to stay at UNB because we thought that UNB was already the best university in Canada for our field (as it is for GPS and geomatics) or that we wanted to help make it the best. And just as George ended up, despite adversities, helping make Bedford Falls a better place to live, work, and bring up a family (despite the efforts of Mr. Potter to take over Bedford Falls for himself), so we have managed to make UNB a better place to teach, to do research, and to better equip our graduates for their future careers.

I do believe that UNB has some of the best faculty members in the country and that we can transform the university into the next Waterloo. After all, we are only one position behind them in the most recent Maclean’s ranking. We shouldn’t be small-minded (as a few New Brunswickers unfortunately are) and resign ourselves forever to second-tier or have-not-province status. We can do a lot better than that!

Prof. Richard Langley
GGE Alumnus and Retired Professor, Eugene Derenyi, Passes

It is with profound sadness that we announce the passing of Dr. Eugene Derenyi on January 8, 2014. Dr. Derenyi had a long association with the Department of Geodesy and Geomatics Engineering (formerly Surveying Engineering) at UNB. He was awarded the first UNB M.Sc.E. degree in surveying engineering back in 1963. He started out working in geodesy and the title of his thesis was Deflections of the Vertical in Central New Brunswick. He became an assistant professor in the soon-to-be-created Department of Surveying Engineering but he switched his interest to photogrammetry, completing a Ph.D. in the subject in 1970. His dissertation was titled An Exploratory Investigation Concerning the Relative Orientation of Continuous Strip Imagery. Later on, he wrote Photogrammetry: The Concepts, a venerable publication still available as a department lecture note.

Dr. Derenyi subsequently became an acknowledged expert in the field of remote sensing, working with imagery from the LANDSAT and SPOT satellites. From 1983 to 1985, for example, he helped organize and supervise four different projects funded by a special remote sensing technology transfer program for the Maritimes.

Dr. Derenyi also served as the Director of Graduate Studies in the department for many years and oversaw the large growth in the department’s graduate programs.

Professor Emeritus Angus Hamilton, who was chairman of the department between 1971 and 1985, has this to say about Dr. Derenyi: "Academically, as is apparent in his résumé, he was talented and versatile. In one discussion of the curriculum in the 1970s he casually mentioned that, at one time or another, he had taught every course in the program. No one else could come close to being able to make that claim."

And President and Professor Emeritus John McLaughlin noted that "Dr. Derenyi’s research was of the highest international standard. He made significant contributions to both the applied science and professional dimensions of the discipline, mentored two generations of graduate students who went on to become leaders in their own right, and applied his research findings to major mapping programs across Canada and internationally."

On a personal note, Prof. McLaughlin stated "I was both a student and colleague of Eugene's. From an undergrad's perspective (having taken courses from him between 1967 and 1969), I can attest that Professor Derenyi cared deeply about his discipline and about his students, and that his courses were rigorous, current and terribly important."

Dr. Derenyi formally retired from UNB in 1995 and spent a further couple of years in Fredericton before moving back to Toronto where he first lived after emigrating from Hungary in 1956. He continued to serve the department as an honorary research associate up to the time of his death.

We express our condolences to Dr. Derenyi’s wife, Sylvia, his son, Eugene Jr., and the rest of his family.

Donations may be made in his memory to the University of New Brunswick’s Eugene E. Derenyi Alumni Prize in Remote Sensing.

GGE Grad Alumnus Authors Book on GIS

"Rj" Zimmer, who obtained his M.Eng. degree in UNB’s Department of Geodesy and Geomatics Engineering, has published GIS for Surveyors: A Land Surveyor’s Introduction to Geographic Information Systems.

The book, written by a surveyor for surveyors, explains how surveyors use geographic information systems (GIS) technologies to support land surveying activities and how GIS helps surveyors work more effectively and efficiently. Additionally, the book covers how surveyors support GIS data development, integrity, and spatial accuracy. GIS concepts, overviews, and specific examples are presented on a variety of topics relevant to land surveying.

Mr. Zimmer is a registered professional land surveyor and geomatics consultant located in Helena, Montana. He has written for The American Surveyor magazine, the Surveying and Land Information Systems journal, and Professional Surveyor magazine.

The book can be obtained from Amazon.ca in Canada and Amazon.com in the U.S.

Cartographica: New Editors-in-Chief

Two Geodesy and Geomatics Engineering faculty members, Emmanuel Stefanakis and Monica Wachowicz, are taking over the editorial duties of the journal Cartographica effective 1 January 2014.

Cartographica: The International Journal for Geographic Information and Geovisualization (formerly, Canadian Cartographer) delivers cutting-edge international research in all aspects of cartography (including the production, design, use, cognitive understanding, and history of maps), geovisualization, and GIScience. It is one of the most recognized journals in geomatics.

Cartographica was founded by Bernard V. Gutsell in 1965 (and edited by him until 1994). It is published by the University of Toronto Press and is associated with the Canadian Cartographic Association. In addition to regular issues, Cartographica also appears in monograph form, comprising a collection of articles or a single piece of work on a particular topic.
Editor’s Note: Legal articles in ALS News are excerpts from recent court cases involving land surveys and land surveyors. Readers are encouraged to read the full decision for complete details.

ARC Resources Ltd. v Meston
2013 ABSRB 694 (CanII)—2013-09-20
Alberta Surface Rights Board—Alberta acres—survey—acreage—plans—pro-rated

As per Decision 2011/0451, the Panel ordered ARC Resources Ltd. to provide an up-to-date survey plan for the facilities covered under Right of Entry Order No. 12595 (“the Order”). This was so the annual compensation could be pro-rated among the several landowners that now own various portions of the land covered by the Order. This decision also anticipated that only lots 1, 2, 3 and 4 (Plan 7722995) and Lot 12 (Plan 0825938) were affected by the area covered by the Order; with Lots 1, 2 and 3 affected by above-ground facilities. Two survey plans were received from ARC by the Board on September 26, 2011, and one of the plans showed that lot 4 is also impacted by the ARC 8-23 wellsite by 0.22 acres.

DECISION:
1. Right of Entry Order No. 12595 shall be amended to reflect the current Certificate of Titles relative to these lands.
2. The Respondents who shall be named on Right of Entry Order No. 12595 are as follows...
3. The compensation is payable to the following landowners as they have above ground installations (either a road or well site) on their land….
4. The total acreage of Right of Entry Order No. 12595 is 8.15 acres, with 6.05 of those acres being above ground installations.
5. The compensation payable under the Order shall be effective May 16, 2014, and pro-rated as follows:...
6. The Survey Plans provided by the Operator do not meet the requirements of section 6 of the Surface Rights Act General Regulation AR 195/2007. The Operator shall provide the Board with proper plans of survey that comply with section 6 of the General Regulation, within 60 days of this decision, (November 20, 2013).
7. The land description in the Order shall be amended to reflect that Lots 1 – 5 and Lot 12 are affected by the area covered by the Order.

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REASONS FOR DECISION:

1. **Should the direction in Decision No. 2011/0451 be changed as a result of the Survey Plans provided by the Operator and the subsequent submissions from the parties?**

The Panel has received a set of new survey plans for Right of Entry No. 12595 as ordered in Decision No. 2011/0451. The Decision ordered that the current title holders for Lots 1 to 4 should be listed as Respondents on the Board style of cause. However, upon reviewing the new survey plans (September 2011 versions) it was found that the areas identified on the plans were not a true reflection of the areas granted in the Order. On December 19, 2012, a submission request letter was sent by Board Administration to all parties requesting further submissions with respect to the discrepancies noted on the plans. Two “as built” plans were submitted by the Operator (January 2013 versions). A review of the revised plans found that the areas contained in the Board Order encompass Lots 1-5 as well as Lot 12. The Panel will also take this into consideration and pro-rate compensation according to the acreage that has been granted under the Order.

Additionally, the Swenseids have also requested to be added as recipients of compensation. The previous Decision had stated that the Swenseids had not participated in the hearing and their portion of compensation would continue to be paid to the Neils. The Panel recognizes that the Swenseids are the party entitled to the compensation for the same reasons that the Mestons and Brigitte Hutton were as stated in the Decision. The Panel finds that it is appropriate to apportion compensation among all the landowners that are affected by the above-ground facilities covered by the Order, and will proceed accordingly.

2. **If so, who should be named as Respondents on Right of Entry Order No. 12595?**

As the current Order stands, the Respondents are Richard Meston, Frances Meston, Brigitte Hutton, Dennis M. Baumann, Deborah M. Baumann, Douglas Edward Neil, Margaret Jean Neil, Scott Swenseid, Alana Swendseid and Kerry Baumann. After reviewing the survey plans and the current certificate of titles, it is apparent that Douglas Edward Neil and Margaret Jean Neil have no interest in the Board Order. Douglas Edward Neil and Margaret Jean Neil shall be removed as Respondents on the Board Order.

It is clear from the evidence that the persons listed below are all registered owners of portions of the Land affected by the Board Order and; accordingly, they should all be named as Respondents on Board Order No. 12595. S. 1(i) of the Act clearly defines an owner.

- a. Scott Swensheid and Alana Swendsheid—Lot 1 (Plan 7722995)
- b. Richard Meston and Frances Meston—Lot 2 (Plan 7722995)
- c. Brigitte Hutton—Lot 3 (Plan 7722995)
- d. Dennis M. Baumann and Deborah M. Baumann—Lot 4 (Plan 7722995)
- e. Kerry Baumann - Lot 12 (Plan 0825938)
- f. Kevin Russell Nicol and Liene Kwiatkowski—Lot 5 (Plan 7722995)

3. **To whom is the compensation payable under the Order?**

In Decision 2011/0451, the Panel determined that the annual compensation would be pro-rated among the Mestons, Brigitte Hutton and the Neils. The portion covered by Lot 2 was to be paid to the Mestons, the portion covered by Lot 3 was to be paid to Brigitte Hutton and the remainder was to continue to be paid to the Neils under Lot 1.

Upon a review of the updated survey plans, the Panel noted that there are three different types of installations on the right of entry order:
- two well sites,
- two access roads, and
- two flow lines.

Annual rental payments are to compensate a landowner or occupant for the loss of use of the lands and for any adverse effect on the remaining lands (s. 25(c) and (d) of the Act). The installations that are compensable on an annual basis are the two well sites and the two access roads. The two flow lines are not installations to which compensation is paid on an annual basis.

The survey plans show that the following certificate of titles have above-ground installations and the compensation will be prorated according to the acreage they contain:
- a. Lot 1 Certificate of Title 032 069 152
- b. Lot 2 Certificate of Title 852 149 141
- c. Lot 3 Certificate of Title 102 104 790

4. **What is the acreage covered by the Order?**

The survey plans provided by the Operator were accepted by the Panel as detailing the current acreage and titles of the right of entry order.

5. **What is the pro-rated compensation under the Order?**

Compensation will be pro-rated among the three Certificate of Titles that have above-ground installations. The compensation will be pro-rated based on a total of 6.05 acres.

6. **Should the Survey Plans provided by the Operator be appended as updated plans of survey to the Right of Entry Order?**

The Operator provided the Board with plans of survey as requested by the Panel. The survey plans clearly lay out the subdivisions of the quarter section, and the Panel has accepted this as evidence of the current acreage of the right of entry order. However, the Panel is faced with the issue of whether to substitute these plans as the plans of survey for the right of entry order. The Panel declines to order this as the plans do not meet the requirements of the Surface Rights Act General Regulation AR 195/2007 (the “Regulation”). Section 6 of the Regulation requires that the location, dimensions and acreage of land required for a pipeline must be coloured or outlined in green. Additionally, s. 9 requires that where more than one plan is attached the plans must be identified by the corresponding letter or number.

The Panel orders that the Operator provide updated plans of survey that comply with the Regulation within 60 days from the date of this decision, (November 20, 2013). A further amending order may then issue substituting the plans.

7. **Should the land description in the Order be amended?**

The land description shall be amended to reflect the certificates of title affected by the area covered by the Board Order.
John William (Bill) Lovse passed away Saturday, December 14, 2013 at the age of 61 years.

Bill grew up in Edmonton. He moved to Calgary to work with his dad and started his own company shortly thereafter.

He married Kathy on June 12, 1981. Bill graduated from the University of Alberta in 1976 with a BSc in Civil Engineering and the University of Calgary in 1992 with a BSc in Surveying Engineering. He was a graduate student and teaching assistant from 1993 -1994. A research associate and manager of a U of C dynamic alignment project from 1994 to 1995. He received his ALS in 1998 and completed his pilot’s license over ten years ago. He was a professional engineer both civil and geomatics. Bill was an ALSA council member 2002-2004, volunteer/president/manager of the High River Regional Airport, member of the Calgary 55+ Hockey Association, member of APEGA, ALSA and COPA. He had his instrument flight rating (IFR) and coauthored a geomatics engineering paper.

Besides his loving wife Kathy, he is survived by two daughters; Krista Lovse P.Eng, ALS and Lisa Lovse Bachelor of Science Hon Mechanical Engineering, MD, his father John Lovse, mother Lois Stockdale and two brothers Tony and Martin.

On March 11, 2014, Mr. Peter T. Lypowy of Edmonton passed away at the age of 84 years surrounded by family. Peter leaves to mourn his loving family: his wife of 60 years, Ellenor; and his four sons, Jim (June), Dan, Bob, and Bill (Stacey); siblings and spouses Liz (Harry Zayac), Eugene (Goldie), Hilda, Ruby (Art Lawrence), Duke Fewchuk; and four grandchildren, Nic (fiancé Lindsay Chetek), Jaime (Brian Bowen), Patrick and Anna; and numerous nieces and nephews. Peter was predeceased by his parents, Tom and Mary; brother, Borden and sister, Marg.

Peter was commissioned as Alberta Land Surveyor #249 on October 21, 1958.

It is with heavy hearts the family of Terry William Hudema announce his unexpected passing in Calgary, Alberta on Thursday, January 30, 2014, one day shy of his 64th birthday.

Terry was a true Albertan, beginning his life in Willingdon, he grew up in Lethbridge and Edmonton before settling in Calgary. He spent 43 years dedicated to his career in land surveying and was a highly respected member of his profession; most recently, as President of Urban Systems Survey’s Inc.

Terry had a passion for sports, especially hockey and golf. He volunteered countless hours with Special Olympics Calgary, the 88 and 10 Winter Olympics and Paralympic Games, and worked as an off-ice official for the Calgary Hitmen.

Terry was a devoted family man. He is survived by his loving wife, Susan Fordyce, his favorite travel companion; son Christopher, daughters Nicole (Juan Carlos Herrmann) and Stephanie; granddaughter Piper (Herrmann); mother Vera and brother Bryan. In his passing, Terry was met by his youngest daughter Ashley and father Bill.

A donation has been made to the J.H. Holloway Scholarship Foundation in memory of these members.

Krista Lovse, P. Eng, ALS
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On January 1, 1970, eight Alberta municipalities were declared survey control areas and President Gillmore thanked the far-sightedness of the Director of Surveys, the Association members and the municipalities. He noted that Alberta was far ahead of the other provinces in this respect.

He reported that the past year had been rather discouraging in attempting to get a course instituted at the University of Alberta but did recognize that there were a few small encouraging signs for the future.

On the other hand, President Gillmore was pleased to announce that the Alberta Society of Survey Technicians and Technologists had been incorporated and that the certification board and panel of examiners could now begin their work.

The ALSA Council that year dispatched correspondence to Alberta Government Telephones suggesting that a land surveyor be hired to locate monuments prior to commencing their construction program. The communication was also to point out that the Association was more concerned with the preservation of monuments than creating more work for surveyors. AGT replied to the Association’s letter and return correspondence was forwarded offering the services of an instructor at AGT’s annual workshop.

The Council of the Alberta Land Surveyors’ Association agreed to no changes to the recommended tariff in line with Prime Minister Trudeau’s anti-inflationary policy.

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