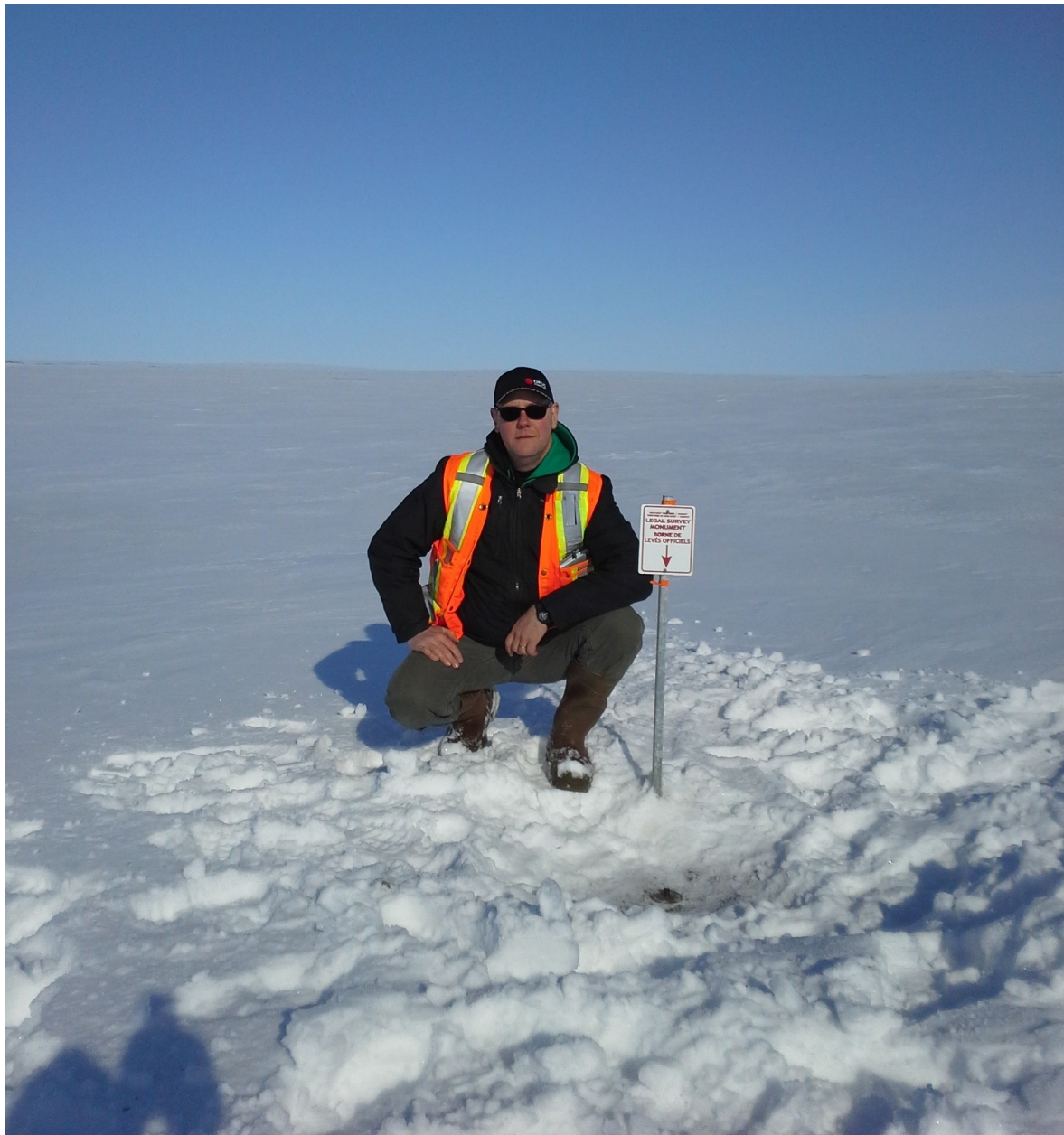


THE NOVA SCOTIAN SURVEYOR

Spring 2016

No. 199



JUST ANOTHER DAY AT THE OFFICE.....

INSIDE FRONT



THE NOVA SCOTIAN SURVEYOR

SPRING 2016

No. 199

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THE NOVA SCOTIAN SURVEYOR

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PRESIDENT'S REPORT

H. James McIntosh, P.Eng., NSLS, CLS



My duties as President began quickly with attendance at the Association of PEI Land Surveyors Convention on Oct 21 to 23, the weekend after ours at Oak Island. Theirs was held in conjunction with the Confederation Centre's exhibit following completion of the restoration of Samuel Holland's original survey map of PEI dating back to 1765, an impressive piece of work. With only 12 practicing members, it is a challenge for PEI to implement programs like Practice Review, Continuing Professional Development (CPD) & Legislative Review. They are therefore interested in discussing a model whereby their administration costs can be shared with Nova Scotia and or New Brunswick Land Surveyors.

A similar situation exists in New Brunswick, where a declining membership and the requirement to provide all Association services in both official languages is resulting in a financial challenge. As a result, they're also considering merging administration with NS and PEI or with Engineers New Brunswick. Nevertheless, their new Act to incorporate the Association is before the Legislature with Bylaw revisions coming next. A motion for NB to return to Professional Surveyors Canada (PSC) as an all-in Province was carried but won't be ratified until their annual budget meeting this summer.

Ontario is also facing financial challenges, due to declining and aging membership and have been further burdened with approximately \$250K in expenses, related to an ongoing constitutional challenge related to the ownership of survey records and disciplinary hearings.

This year, however, 14 new members received their commission and they have around 70 articling students. As a relatively large organization with well over 500 members and a \$2M budget, they continue to be well organized with large membership involvement in numerous committees and task forces. The recent Ontario court decision that copyright in survey plans, is transferred to the Province upon registration essentially gives them permission to sell or use that information, as desired without compensation. This is no real surprise since our systems have operated under that model ever since the public Registry was created.

The main issue in British Columbia involved a successful motion to allow BCIT graduates, without a CBEPS certificate, to become articling student members and eventually BCLS's. This issue arose when BCIT lost some CBEPS exemptions making it more difficult and time consuming for traditionally qualified BCIT graduates to get their CBEPS certificate. This has resulted in a lot of buzz across the country in terms of labour mobility and a weakening of the CBEPS concept, but doesn't seem to be a serious issue in Nova Scotia as we've had very few, if any, non-CBEPS candidate members since that organization was created.

Alberta's concern is with the implementation of a "hybrid" or coordinate cadastre, whereby certain Crown dispositions can now be accomplished through a geo-referenced plan only, without the benefit of a field survey or monumentation. Since most of their revenue comes from survey marker sales, this will potentially have a negative impact on financing, especially now in combination with a downturn in the usually thriving Alberta economy. We all need to be aware of the development and expansion of these coordinate cadastres as the technology now appears to be available to make these a feasible reality.

Back home in Nova Scotia, Council has been busy. In October, the Executive met with the Real Estate Lawyers Association of Nova Scotia (RELANS), the Nova Scotia Association of Realtors (NSAR), and the Nova Scotia Real Estate Appraisers Association (NSREAA) to discuss potential privatization of the Provincial Registries. A joint letter expressing our concerns was sent to the Minister of Service Nova Scotia in November, with a response in January that no decision had been made and that we had been recognized as "potential" stakeholders, who might be

consulted if a decision was made to move forward with an Alternate Service Delivery model. In April, we received news through press releases, that our government decided not to privatize the Registries and would begin the process of modernizing these systems internally.

A letter of thanks was sent from the group identified above, followed by a more specific letter from our Association outlining our historical commitment and offering our expertise to the process moving forward.

Regarding Act Enforcement, Council approved terms of reference for the Committee last November. Since that time, considerable investigation and discussion has taken place regarding the new On-site Sewage Disposal System (OSSDS) standards and regulations, which have since come into force on May 1. Back in March, a letter was sent to Environment Nova Scotia and Waste Water Nova Scotia, outlining a number of ways in which those regulations arguably require Qualified Persons (QPs) to practice professional land surveying as defined by our Act. To date, we have only received recognition of our unsolicited report, but no response addressing our specific concerns has been provided.

In January, our new Standards came into effect, which now require the compulsory registration of all certified plans and the preparation of a certified plan when new survey markers are set (with exceptions). To streamline this process, the Executive met with Service NS in December to discuss how we can provide plans in a standard pdf format, with a view to eventually supplying simple drawing files. In return, we're hoping that our members can receive some kind of compensation in the form of reduced POL access fees, for example. The concept was well received, but would have to be included as part of the larger modernization process currently underway within Service Nova Scotia.

Internally, our new requirement to register plans has led to questions about when plans need to be registered, who will police plan registration, and what will be the ramification of not registering plans. There has also been questions about what constitutes hardship in the context of brushing out boundary lines, and how we should standardize 25 km control ties to the NS Coordinate Referencing System. To that end, an ad hoc committee met in February with a report expected soon.

Financially, I'm pleased to report that although we forecasted a \$38k budget deficit in 2015, our actual numbers for 2015 resulted in a much improved \$10k deficit. We should therefore be on the positive side of the ledger for 2016 as a result of our dues increase this year. Credit goes to our Executive Director and administrative staff, who have also made arrangements to allow most of our financial transactions to be carried out electronically. Acknowledgement also goes out to our CBEPS representatives, who have diligently made significant contributions to this increasingly complicated national educational system for surveyors. On their recommendation, Council approved changes to split the Hydrographic Surveying syllabus into a new C12 compulsory exam and optional E2 elective for specialists in that field. Council also supported a similar split for the C3 Advanced Surveying exam, although a decision was made nationally to maintain the status quo. An application by the Association of Canada Lands Surveyors (ACLS) for funding through the federal Foreign Credential Recognition Program to develop a consistent assessment process for internationally trained professionals was also supported by Council.

Other issues faced by Council include the annual review of terms of reference and committee appointments, finding a public representative and new chair for the Complaints Committee, approval of a new articling agreement that doesn't require an employment contract, an update to our jurisdictional exam to accurately reflect our new legislation, retention of retired members survey records, and an appeal of a previous complaints committee decision.

Finally, our Convention this year will be held for the first time in Queens County at White Point Resort on October 13th to 15th, 2016, the weekend after Thanksgiving. Similar to last year's format, Thursday the 13th will be dedicated to travel, social activities and Icebreaker. Friday the 14th will be our business meeting and annual banquet, and Saturday the 15th will be our seminar day and President's luncheon. A block of rooms has been set aside for those who want to book early, which may be a good idea if you're planning to attend.

In closing, thank you to the members, Association staff and Council for your support as I navigate through the experiences shared by so many past presidents before me. So far, it has been a busy and remarkable learning process.

EXECUTIVE DIRECTOR'S REPORT

F. C. Hutchinson, BA, NSLS, CLS



Our new “Standards of Practice” package became effective as of January 1, 2016 as a result of motions and amendments on October 15, 2015, at the 65th AGM held at Oak Island Inn. Survey standards have traditionally been included in Regulations, but as of September 10, 2013, our survey standards were removed and became a “stand-alone” document. The October 15, 2015 approval by the membership was a result of several years of review, meetings, discussions and changes to produce a document that our membership created.

So, what is different as of January 1, 2016?

Well, the membership now has a current set of standards with the option to amend when deemed appropriate. “GPS” is now referred to as “GNSS” (Global Navigation Satellite System) as noted in section 2.7.

Likely the biggest change for the profession is section 6.2 where *“all surveys that result in monuments being placed, shall have a plan prepared”*. Section 6.4 does provide relief for surveys previously tied to control since March 27, 1979, as well as replacing existing evidence of a corner with a survey marker. The logic behind section 6.2 is there needs to be public documentation to record the placement of survey markers. Without the support of a plan of survey, markers can easily be missed or their location lost if destroyed.

The next significant change is in section 6.3 which states that *“plans prepared shall be registered in the appropriate registration district”*. This section, like section 6.2, generated some debate as well. It is one thing to prepare a plan of survey but what do you do with it? Putting it in a public registry provides security for the client as well as making that evidence available to other professionals. I understand that some clients may argue against registration since their neighbour did not pay for the survey and now will see some benefit. A boundary survey is not something that should be hidden from view or cloaked in secrecy. Visible and acknowledged boundaries reduce the potential for conflict.

Another section that saw an amendment was section 6.12.30. An illustrated “grid north” arrow was added. The vote was close on this amendment but was approved by a majority vote.

As your Director for Professional Surveyors Canada (PSC), I am pleased to announce that an advertising campaign is now underway. Its attention will mainly be focused on the internet. There will be a second volley of ads this fall. We hope we can learn from the first series of ads so that improvements can be made if deemed appropriate. PSC is also working on registering a trademark, P. Surv., that all professional land surveyors can use. It would be in addition to the provincial NSLS and we hope that the trademark would be approved for the fall ads.

Continuing Professional Development is now in its 13th year and the start of a new 3-year session. It is likely time that we reviewed our program of point evaluation along with the reporting method. Regardless of how one reports, the program needs to be followed and not all members are acquiring the required number of points per year, or in a 3-year period. This presents a problem for the member as well as Council since one’s membership is at risk. Suspension and shall are harsh words but are used in section 36(7)(a) of the By-laws. With that sobering message, I wish everyone a safe and happy summer and look forward to seeing everyone at our AGM at White Point beach this October.



Survey of Nunavut/Northwest Territories Remote Border



During August 2015, Opus Stewart Weir Ltd. (OSW) performed the legal survey of part of the border (boundary) between Nunavut and the NWT from approximately 68°N, 120°40'49" W (on the mainland) to 78°41'N, 110°W (Borden Island). Elden Pfeiffer, CLS of the SGB (North), project Technical Authority, deserves recognition along with OSW for his role in this survey with respect to the project scope, requirements and technical/professional reviews.

The requirement was for the legal survey and demarcation of five segments of artificial and natural boundary as follows:

- 174 km on the mainland from 68°N, 120°40'49" W (completed)
- On Victoria Island, retracing parts of Inuvialuit parcels, mapping parts of the Kugaluk River and Quunnguq Lake (132 km of natural boundaries) and monumenting the lines of latitude 70°N and longitude 110°W NAD27 for 672 km of artificial boundaries (completed)
- 84 km on Melville Island and ties to an existing Lot 1000, Quad 79 B/6 (50% completed)
- 21 km on Mackenzie King Island (control established)
- 41 km on Borden Island up to latitude 78°41' approximately (control established)

Due to helicopter and personnel safety issues related to weather and the remoteness of the survey, the last three items are delayed until the spring of 2016 (along longitude 110°W). Control has been established on these islands to continue the monumentation of the boundaries.



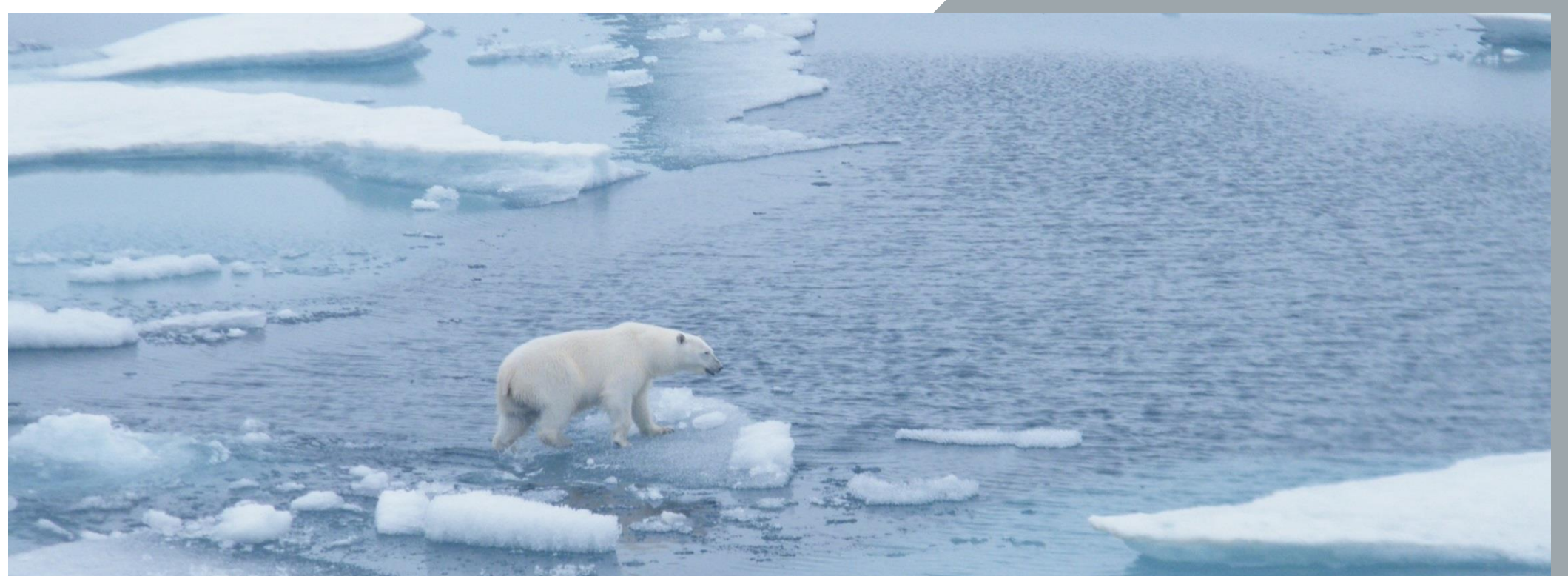
This is a historical cadastral survey of part of the boundary between the Northwest Territories and Nunavut conducted in one of the most remote locations in Canada's high arctic.



CLSs Paul Dixon, Dagen Deslauriers, Colin Atkinson and Steve Dixon, CST determined the survey methodology and associated logistics. S. Dixon, Deslauriers and Atkinson performed the field survey with helicopter pilot Chris Lennie. The following was involved to perform the project:

- Determining a base of operations for a project area extending approximately 1700km
- Pre-planned monument locations for <10km spacing and efficient helicopter logistics
- Monuments required to be placed on the exact NAD27 Latitude/Longitude boundary
- Determining production levels based on the survey methodology, understanding helicopter logistics, planning fuel cache locations and arranging for placement of the fuel caches
- Determining survey control locations to minimize helicopter logistics and expense
- Determining survey methodology to maximize helicopter use and minimize expenses
- Survey methodology incorporated static GNSS control surveying (CSRS-PPP), RTK GNSS boundary surveying (in NAD27) and direct static GNSS boundary baseline observations
- Daily adjustment of survey/helicopter logistics based on continuously changing weather, helicopter limitations and dealing with high geomagnetic activity
- Fuel cache logistical adjustments to enable the flexibility and progression of the survey

Natural boundary surveys were located by a combination of: new colour stereo satellite imagery, GNSS ground survey (ground-truthing) and photogrammetric stereo-compilation.



Notes from the Side of the Road



MEMBERSHIP STATUS

Lloyd Taylor, NSLS # 437 has resigned his membership as of January 2016.

Glenn Crews, NSLS # 579 has moved to retired membership as of January 2016.

Edward Chisholm, NSLS # 519 has moved to retired membership as of January 2016.

Frank Longstaff, NSLS # 279 has moved to retired membership as of January 2016.

Bertrand Losier, NSLS # 620 has resigned his membership as of January 2016.

Raymond Fulton, NSLS # 390 has resigned his membership as of January 2016.

David Turnbull, NSLS # 541 has resigned his membership as of January 2016.

H. Daniel Baillie, NSLS # 392 has resigned his membership as of January 2016.

Steven Keddy, NSLS # 606 has moved to retired membership as of January 2016.

S. Gregory Smith, NSLS # 527 has moved to retired membership as of February 2016.

Colin Atkinson, NSLS # 643 is employed with Opus International Consultants (Canada) Limited as of January 2016.

J. Albert MacCallum, NSLS # 331 has moved to retired membership as of June 2016.

Jenny Magee, NSLS # 651 is ceasing her business Heritage Land Surveying in Centreville, NS and is taking an employ with McElhanney in Duncan, BC in July 2016.

NEW MEMBERS

Conor McGuire, NSLS # 659 has received his commission in May 2016 and has started his own business.

Wesley McNeil, NSLS # 660 has received his commission in May 2016 and is working with Public Works Government Services Canada.

David Umlah, NSLS # 661 has received his commission in May 2016 and is working with Halifax Regional Municipality.

CANDIDATE STATUS

No new Candidates since our last issue.

COMPANIES

Opus International Consultants (Canada) Limited has received a Certificate of Authorization as of February 2016 and is located at 1500 – 1801 Hollis Street, Halifax, NS.

West Nova Land Surveys Ltd. has received its Certificate of Authorization as of May 2016 and is located at 40 Cook Avenue, Wilmot NS.



Memorandum

To: Association of Nova Scotia Land Surveyors

From: Jason Bond, Coordinate Control Officer, Jason.bond@novascotia.ca
Internal Services

Subject: Protection of NSCRS Infrastructure

It is estimated that two Nova Scotia Control (Survey) Monuments (NSCMs) are destroyed every week during the construction season. In many cases, the NSCMs could have been preserved by making minor revisions to the proposed development, flagging sites prior to construction work or by adding a collar to the top of the monument to allow for continued access. The value of each monument is estimated at approximately \$7500.

NSCMs are a physical manifestation of Nova Scotia Coordinate Referencing System. Once destroyed, the ability to re-establish ties to historical surveys is lost. Despite moving towards an active system, it is still in the Province's best interest to preserve NSCMs. They are physical evidence of the past 40 some years of boundary surveys in the Province. Because of various network distortions, they are the only true connection to the past.

When Nova Scotia Land Surveyors are aware of a situation in which a NSCM may be disturbed or destroyed, it is requested that:

- a) The Coordinate Control Officer be contacted to investigate an alternative construction design to preserve the infrastructure.
- b) If an alternative design is not possible, the NSCM should be observed with GPS by 2 different observers prior to being disturbed or destroyed by following the NSCRS [data submission guidelines](#). This can be coordinated by the Coordinate Control Officer. Data should be submitted to the Coordinate Control Officer along with photos through the [NSCRS Viewer portal](#). Further, if the NSCM belongs to the Nova Scotia High Precision Network, a replacement NSCM will need to be identified or installed and the NSCM will need to be observed to make its coordinates publishable as part of the NSHPN.

The disturbance or destruction of NSCMs is an offence under the Criminal Code of Canada (Section 442 and 443). NSCMs found disturbed or destroyed should be reported to the Coordinate Control Officer.

OBITUARIES

HARRIS, ARTHUR CLIFFORD, P.Eng., NSLS # 364 - age 86, of Dartmouth, NS, passed away at the Victoria General Hospital in Halifax on September 25, 2015. Cliff was the eldest son of the late Arthur and Alice Maude (McFatrige) Harris of Halifax. He graduated from Dalhousie University with his Bachelor of Engineering Degree in Civil Engineering in 1950. Arthur received his Professional Engineers of Nova Scotia certificate in 1967. Arthur gained his experienced from 1956 to 1964 under James F. Kelly, *B.Sc., C.E., P.Eng., P.L.S., M.E.I.C., NSLS # 102*, while working on D.N.D. bases in Nova Scotia. He later received his Association of Nova Scotia Land Surveyors commission in 1969 and was employed with Dept. of Public Works until his retirement. He later resigned his NSLS commission in 1987. He was an avid swimmer, a qualified scuba diver, a very patient fisherman and a good shot. He always looked forward to the trips with the boys at Eastern Anglers Association and Eastern Hunters Association. Clifford is survived by his wife of 59 years, Joan (Blaxland); daughters, Linda (Alan) Bennett; Joanne (Mario) Lemire; sons, Derek (Sheilah) and John (Robin); Six grandchildren; Amanda, Jonathan, Megan, Jeffrey, Emily, and Justin; brothers, William (Ruth); Robert (Karen); Kenneth (Nancy); Sisters, Marjorie Stafford, Jean Harris and Joan Winterbourne and many nieces and nephews. Predeceased by sister Dorothy. A special thank you to the nurses and staff of the Transitional Care Unit 4B in the VG Hospital, QEII and the VON who came to the house, for your care and compassion during Cliff's last few months. In lieu of flowers, donations may be made to the IWK Foundation.

CLARK, FRANK "VINCENT", NSLS # 442 – age 89, of Truro, NS, passed away peacefully at Colchester East Hants Health Centre in Truro on January 13, 2016. Born in St. Stephen, NB, he was the eldest son of the late Frank S. Clark and Elva (Armstrong) Clark. He graduated from St. Stephen High School in 1944 and the University of New Brunswick in 1948 with a Bachelor of Science Degree in Forestry and received his NSLS Commission in 1959 after articling with J. E. Rusty March, NSLS #4. Vincent spent his entire career as a Manager with Timberland Division of Scott Paper in New Glasgow, and retired in 1984. He later resigned his NSLS commission in 1986. He was a past President of the N.S. Section of the Canadian Institute of Forestry; a former member of the Association of Nova Scotia Land Surveyors.; a former Director of the N.S. Forest Products Association; and former Director and past President of the Maritime Lumber Bureau. Active in community affairs, Vincent assisted a number of charitable organizations and was Campaign Chairman for the Truro and District United Way in 1987; a member and former Director of the Rotary Club of Truro; a charter member of the Truro Tree Commission and a member, former elder and two-time member of the Board of Stewards of the First United Church in Truro. Extremely interested in sports, he was a member of the Truro Golf Club for 40 years and Honorary Member and past President of the Truro Curling Club. An ardent curler, he represented Truro in 35 Provincial Championships, 30 as Skip, including the prestigious Masters title in 1988. Vincent is survived by his wife of 65 years, the former Evelyn Kempton of Liverpool, NS; daughter Carolyn (Thomas) Burlock of Truro; grandson Denym Burlock of Simcoe, ON; granddaughter Jaclyn (Retd MCpl Shannon) Thibodeau of Lwr. Sackville, NS; beloved great-grandsons Jayden and Torin; brothers David (Bonnie) of Ottawa; Millidge (Eleanor) of Moore's Mills, NB; sister Carmen (Donald) MacDougall of Moncton, NB; several in-laws, cousins, nieces and nephews. He was predeceased by his son Gary, and brother Charles. Charitable donations may be made to the First United Church or charity of choice.

(Obituaries cont'd on next page)

OBITUARIES

PARKER, DONALD LLOYD, CLS, NSLS # 375 – age 69, of Hilden, NS, passed away February 18, 2016, at Debert Court, Debert, NS. Born in Windsor and grew up in Ardoise, Don was a son of Mildred (Thompson) Parker, Hantsport, and the late Victor Parker. After graduating in 1969 from the Nova Scotia Land Survey Institute, he articulated under Ken Robb, NSLS# 225, and soon received his NSLS Commission in 1970. Don worked for various companies, such as: K.W. Robb & Associates Ltd. in Dartmouth (1969 – 1971); Marque Construction Ltd in Saint John, NB (1971 – 1972); D. Latimer Engineering Ltd. in Truro and New Glasgow (1972 – 1975); Engineering Inspectors & Designers Ltd in Truro (1975 – 1976). He then worked for 28 years as Manager, Registrar of Crown Lands and Registrar of Land Holdings, at Provincial Crown Lands Record Centre, Nova Scotia Department of Natural Resources, Halifax. Supervisor, Provincial Crown Lands Record Centre, Dartmouth. During this time, he received his Canada Land Surveyors Commission in 1981. For a two-year period (1998-2000) Don was Manager, Northern Region, Land Information Services, Nova Scotia Department of Housing and Municipal Affairs in New Glasgow. Don served as Councillor for Zone 3 from 1979 – 1981; Complaints Committee for 2 years and on the editorial staff for the Nova Scotian Surveyor from 1978 - 1982 and President of the ANSLs in 1984 – 1985. Also a member of the Association of Professional Engineers of Nova Scotia (A.P.E.N.S.) Liaison and Continuing Education Committee. Don retired his NSLS commission in 2006 and resigned in 2008. His Professional qualifications included: Nova Scotia Land Surveyor, Canada Land Surveyor and Commissioner of the Supreme Court of Nova Scotia. Additional training included Dale Carnegie, Prospecting and Geology, Tidal Boundaries, Global Positioning, Nova Scotia Black Belt Association (Orange), National Coaching Certification. Don was a member of St. James Presbyterian Church in Truro since 1973, where he was Elder for twelve years, a Bethel Series leader on the Christian Education Commission and on the Board of Managers. He was also a member of the Shubenacadie Canal Commission. Don had many interests: New England Antiquities Research Association, Nova Scotia Muzzle Loading Association, St. Mary's Archers Association, Truro Carvers and Taoist T'ai Chi. For a few years Don put on fireworks displays for Fireworks FX Inc. Don was known for his sense of humour and ability to talk to anyone on any topic. Don and Gloria enjoyed winter getaways to Costa Rica, Caribbean and Florida and exploring the Maritimes. Don loved his family and will be greatly missed by Gloria, his spouse of 47 years; son, Troy, Toronto; daughters, Robyn, Whitehorse; Kelsi, Hilden; sister, Charlene (Victor) Day, Halifax; brother, David, Ardoise; mother-in-law, Edith MacInnis, Debert; nieces, Laura and Shauna; nephews, Christopher and Martin; great nephews, Hunter and Colton. Don was predeceased by his father; and nephew, Morgan Parker. Special thanks to Chantal Bishop, and to the staff of Debert Court for your kindness to Don. Memorial gifts may be made to St. James Presbyterian Church Memorial Fund or a charity of your choice. Don is on the cover page (the far left) of the Nova Scotian Surveyor 2009, Issue 186.

VAUGHAN, J. PHILIP, FEC, P.Eng., NSLS # 462 – Age 92, of Halifax, NS passed away peacefully at his home on April 8, 2016. As a fourth generation Haligonian, he was born to the late James Vaughan and Agnes (Leahy) where he grew up in north end Halifax, in the house his father rebuilt after the Halifax Explosion. He attended Alexander MacKay School, Saint Mary's College High School and Saint Mary's University under the Irish Christian Brothers and the Jesuits. He graduated from Saint Mary's College in 1942, with a Diploma in Engineering, and the next year, with a Bachelor of Science degree. Two years later, he received a Bachelor of Engineering degree from the Technical University of Nova Scotia. In 1944 and 1945 he was on active service with the Royal Canadian Engineers at Camp Petawawa, Ontario and Camp Vernon, B.C. From the end of the war until the mid-1960's, Phil served in his military career as Lieutenant Colonel and Commanding Officer of the 5th Field Engineering Regiment, Reserve Force at age 34.

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After the war, Phil joined the Nova Scotia Dept. of Highways and Public Works and rose to the position of Chief Bridge Engineer for the Province while still in his early thirties, which helped qualify him as a Provincial Land Surveyor in 1959. After twelve years as Chief Bridge Engineer with the Nova Scotia Department of Highways, he started his own consulting firm J. Philip Vaughan & Associates Limited in 1959 and continued as its president until he resigned his NSLS commission in 1988. After selling his firm, he became Chairman of the Board of. This company is one of the largest consulting engineering firms in Atlantic Canada and with projects overseas. The Liverpool Bridge was the first bridge he designed and still stands today. His engineering expertise is part of many locally known projects including: Canso Causeway, Scotia Bank Centre, and Dalhousie Student Union Building to name a few. Among his proudest professional achievements was the design of the Halifax Dockyard Synchrolift, which at the time of its construction, was the largest device in the world for lifting ships from the water for refit/repair. What began as an operation with Phil, a drafting table, and a telephone, he sold on his retirement, as the thriving company "Vaughan Engineering" in 1988. It had close to 40 employees and held contracts, locally, nationally and internationally. He has been on Boards of the following institutions: Halifax Infirmary; Saint Mary's University; Technical University of Nova Scotia; Mount Saint Vincent University; and Halifax Board of Trade. He has been president of the following organizations: Saint Mary's University Alumni; the Alumni of the Technical University of Nova Scotia; Oxford Home and School Association; Construction Industry Design Council, Association of Professional Engineers of Nova Scotia; and National President of the Military Engineers Association of Canada. Phil was head of the Canadian delegation to the International Congress of Societies of Industrial Design in Helsinki, Finland. "Warden" of Camp 7 of the Corporation of the Seven Wardens - the group that awards newly minted engineers their iron rings. He was also both Vice-Chairman and Chairman of National Design Council; National Council of the Royal Commonwealth Society; Nova Scotia Consulting Engineers Association; and Halifax Board of School Commissioners; Halifax City Regional Library Board; Admissions Standards Committee of the Canadian Council of Professional Engineers; and Halifax District Reserve Army Sports Association. He has also served as chairman of Saint Thomas Aquinas Parish Council; Pastoral Council for the Archdiocese of Halifax; the first Parish Council for Saint Thomas Aquinas Church, was a Lector and Minister of the Eucharist. He participated on several Parish committees and served for many years on the Board of Genesis House, a group home for at risk youth, jointly operated by churches of several denominations. In retirement, Phil volunteered with Meals on Wheels until he was 91 and volunteered for the Liberal Party actively from the age of 15 until he was 91, working as a poll captain, scrutineer, canvasser, fund raiser, and riding executive member. He was recognized by the Liberal Party of Nova Scotia in 2005 for more than 60 years of continuous volunteerism. Phil has received Honorary Doctorates from both Saint Mary's University and Technical University of Nova Scotia. He was chosen from all Engineers in Nova Scotia in 1987 as one of 10 engineers honored across the country to mark the 100th anniversary of the Engineering profession in Canada. He was also awarded Fellowships by Engineers Canada: the "Citizenship Award" (1981) from APENS; elected a Fellow of the Canadian Society for Civil Engineers (1982) and also elected a Fellow of the Engineering Institute of Canada (1987). "Distinguished Community Service Award" (1991) from Saint Mary's University Alumni Association; and the "Alumni Achievement Award" of the TUNS (1993); "Gold Medal" (2001) being the highest award from APENS. He is an Honorary Life Member of Engineers Nova Scotia, and CSCE. In 2012, he was honored with the Queen Elizabeth II Diamond Jubilee Medal; "Charitable Irish Society Community Service Award"; and had a Lifetime Membership at the Mayflower Curling Club. In 1946 he married Hilda Doupe and they spent 55 wonderful years together, raising a family of seven. Phil found lots of time to spend with family. He was always delighted to take a gang out fishing, or just to motor around Prospect Bay from his beloved "Camp". Bowling, skating, swimming, fishing, playing the piano, curling, cross-country skiing, dancing, tennis, French lessons, and travel around the world were all part of his repertoire. He loved to socialize and was always pleasant company.

(continued on page 11)

(continued from page 10)

Phil was predeceased by his loving wife Hilda; son-in-law David Dell; half-brothers, Ralph, Charles, Harold, Francis and James Vaughan; and half-sister Irene Vaughan. He is survived by his children Marian Dell, Whitby, ON; Michael Vaughan, Vancouver/Garden Bay, BC; Peter Vaughan, Garden Bay, BC; Helen Vaughan, Halifax/Vancouver, BC; Alan Vaughan (Gail), Bedford, NS; Sheila Fougere (Joe Fougere), Halifax; Major Eileen Vaughan (Rick Robinson), Saint Albert, AB; sixteen grandchildren; seventeen great grandchildren. For those who wish to honor Phil's lifetime legacy of community service, donations or voluntary service can be made to Halifax Meals on Wheels, 6670 Bayers Road, Halifax NS, B3L 2B5 (902)429-4299. Gifts may also be made in Philip's memory by contacting Dalhousie University at Tel: 902-494-8801 or Toll Free: 1-800-565-9969. Indicate you want to make a gift to the Dr. J. Philip Vaughan Engineering Scholarship.

BOYLAN, GERALD "GERRY" BERNARD, P.Eng., NSLS # 334 – Age 91, passed away peacefully at Halifax. Born November 30, 1925 in New Ross, NS, Gerry was the son of the late Frank and Kathleen (Lyons) Boylan. He attended St. F.X. and graduated from Nova Scotia Technical College in 1948 with a Bachelor of Civil Engineering. He excelled in boxing during these years. Gerry was employed with the Department of Highways until he was qualified as a Professional Land Surveyor in 1950. He then worked for several years with the Department of Public Works and then several years with McNamara Engineering Ltd. as project manager in North Sydney Ferry Terminal. In the early eighties, he ventured to Saudi Arabia where he played a key role in one of the largest construction projects of that time. He also played a key role in the construction of the Fairview Cove Container Terminal. He and his "tin-pot navy", aboard a 14 ft. leaky aluminum boat and took thousands of depth soundings of Bedford Basin. After his family, Gerry's true passion in life was land surveying, which he actively pursued until the age of eighty-eight and retired his Nova Scotia Land Surveyors license in 2015. Gerry had served on the Professional Practice Committee with the ANSLs in 1980. Gerry was a gentle, kind, and reserved man, always with an effortless smile. Those closest to him were often treated to entertaining performances of step-dancing, shadow-boxing and backyard fly fishing. Being health conscious, Gerry was active at the gym until his late eighties and rarely missed his nightly jaunts down Chebucto Rd., through the Armdale Rotary and up St. Margaret's Bay Rd. Gerry is survived by his loving wife of 57 years, Lise, daughter Suzanne (Umberto), sons Frank, Marc (Maki), grand-children Jack and Lauren, sisters Doris Anstie and Polly Herbich, and many nieces and nephews. Besides his parents, he was predeceased by his sisters Helen, Jean, Lucille, and brother Basil. Memorial donations may be made to Bide Awhile Animal Shelter or a charity of your choice. On-line condolences may be made at: <http://atlanticfuneralhomeshalifax.sharingmemories.ca>

NOLAN, FREDERICK G., NSLS # 84 – Age 89, of Waverly, NS, passed away in QE2 Halifax Infirmary, after a short illness. Born July 5, 1927 in Halifax, he was one of three sons of Thomas J. and Catherine (Pierce) Nolan. His early education was at Oxford Street and College Street schools, as well as St. Mary's High School. Fred received his PLS in 1948. Shortly after, along with his brother Richard, established Nolan Brothers Surveys in the 1960's. He later received his NSLS commission in 1977. Notable among their earlier projects was the Westmount Subdivision at the site of the old Halifax airport on Chebucto Road. Another, was the site of the first Sobeys store in HRM. He was involved in the development of many subdivisions, such as Lewis Lake. In 1961, Fred had developed an interest in the history of Oak Island and its alleged buried treasure. He seriously studied documents and maps gleaned from the maritime libraries and museums of Spain as they related to the lost ships carrying treasure back from the Americas. It was thought that some of these vessels were storm driven into the coast of Nova Scotia. During this exploration of over a period of some fifty years, he uncovered numerous unexplained markings and artifacts from Oak Island's terrain. (continued on page 12)

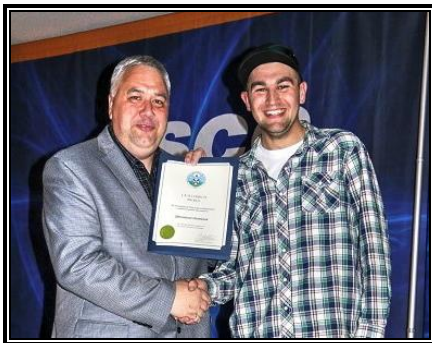
(continued from page 11)

Even after Fred had resigned his NSLS in 2007, he continued his interest in this quest and provided consultation to the producers of the television series *The Curse of Oak Island*. He was predeceased by his parents Thomas J. and Catherine (Pierce) Nolan; brothers Thomas P. and Richard T., beloved aunt Mary Prosser (Pierce) and niece Sheelagh Nolan. He is survived by his wife of 53 years, Ora (Miller), son Thomas J. (Suzanne Ryan), granddaughters Catherine and Shannon, brother, Frank (Maureen); nephew Christopher and nieces Kathleen, Maura and Coleen. There will be no visitation but there will be a private family interment in Gate of Heaven Cemetery, Lower Sackville.

REID, JAMES EDMUND “ED”, P. Eng., NSLS # 167 – Age 96 of Halifax, passed away June 13, 2016 at the Camp Hill Veteran’s Memorial Building. Born in Amherst, NS he was a son of the late William and Katherine (Smith) Reid. After graduating from Amherst High School, Mt. Allison University and Nova Scotia Technical College, Ed received his Bachelor of Civil Engineering and worked for the Department of Highways, which contributed to receiving his Professional Land Surveyor’s license in 1950. He was manager of the engineering services with the Nova Scotia Department of Highways. Ed was a member of the Association of Professional Engineers of Nova Scotia. He received his NSLS commission in 1977 and retired in 1984. He was an avid Bridge and Cribbage player. Ed was the last surviving member of his immediate family and was predeceased by brother, Clarence Reid, sisters, Lauris, Josephine, half-sister Margaret and infant brother John. Ed is survived by his wife Christine (Robertson); daughters, Catherine (Bill) Lawless, Edmonton Alberta; Norma (Bernie) Tracey, Waterville NS; half-sister Barbara Jane Stevens; half-brother Maynard; 6 grandchildren, 15 great-grandchildren and; many nieces and nephews. Cremation has taken place under the direction of Cole Harbour Funeral Home. There will be no services at the family’s request, donations may be made to Canadian Cancer Society or charity of Choice.

Online condolences may be made at <http://coleharbourfuneral.sharingmemories.ca/site/JamesEdmundEdReid.html>.

2016 COGS AWARDS



Brandon Gerrior
JAH Church Award
Presented by
Andrew Sutherland, NSLS



Nathan Garden
GT Bates Scholarship
Presented by
Andrew Sutherland, NSLS



Noah Whitenect
JER March Award
Presented by
David Wedlock, NSLS



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Andrew Ellicott - The Star Gazer Who Defined America

By William J. Morton

William J. (Bill) Morton attended college at Emory University in Atlanta, Georgia and graduated from the University of Miami Medical School in Miami, Florida in 1962. He served in the U.S. Air Force Medical Corps in Germany for three years and returned to Atlanta for his Urological Surgery training in the Emory University / Grady Memorial Hospital program. He opened his Urology office in Atlanta in 1970.

In 1985, Morton graduated from Woodrow Wilson College of Law in Atlanta and became a member of the State Bar of Georgia with interests in medical malpractice and healthcare law. He closed his Urology office in 2000 and after serving as a Georgia magistrate court judge for two years, he fully retired.

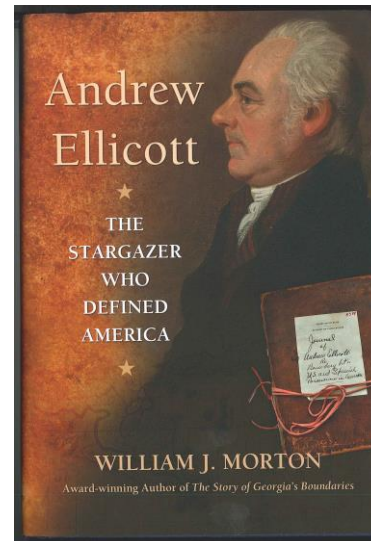
Morton is a licensed U.S. Coast Guard captain and has over 5500 hours as a private pilot with commercial, instrument and instructor ratings. His other hobbies include amateur ornithology, photography, astronomy, classical piano and fly fishing. All of his professional background is detailed on his personal website www.wjmortonmdjd.com

Now retired, but always infatuated with history, his 2010 award-winning book, *The Story of Georgia's Boundaries: A Meeting of History and Geography*, introduced him to Andrew Ellicott, the most famous astronomer-surveyor in the young United States during his lifetime.

As Morton learned more about Ellicott, he became perplexed as to why Ellicott was not celebrated for his major contributions to the United States and Canada. Ellicott had no formal education and was self-taught in astronomy, the earth sciences, mechanics and mathematics but he would eventually survey the boundaries of fourteen states, more than anyone in the history of the United States before or since.

Ellicott was chosen by President George Washington and Secretary of State Thomas Jefferson to survey the ten-square-mile District of Columbia as well as many of the boulevards and squares in the new federal capital. He was also appointed by President James Monroe in 1817 to be a surveyor for the United States to establish the new boundary between Canada and the United States as part of the proceedings of the Treaty of Ghent concluding the War of 1812.

Ellicott was now in his seventh decade of life and in declining health and his only contribution to the boundary survey was to find and mark the 45th latitude where it crossed the St. Lawrence River. Ellicott placed a stone monument "on the south bank of the river, bearing south 74° 45' west, 1840 yards distant from the stone church in the Indian village of St. Regis." This monument has not been found, but the area is known as Ellicott Point. Perhaps his greatest achievement was his survey of the first international boundary line of the United States dividing the thirteen states from the property owned by His Catholic Majesty, Charles V of Spain.



Morton's research has unearthed hundreds of letters and documents in The Library of Congress in Washington, D.C., the National Archives in College Park, Maryland and the Papeles Procedentes de Cuba in many Special Collections libraries.

Morton's book is a compelling portrait of Ellicott and the never-before-told story of his four year excursion to locate, measure and mark the first international boundary between the United States and Spain. This story, which was ignored by historians for two hundred years, is about the measuring and marking of the first southern boundary of the United States as provided for in a treaty with Spain. The new nation, exhausted after her breakaway war with Great Britain, now faced another powerful adversary with Spain, whose ambition was to

control the people and property in North America as she had done in South America.

After the Revolutionary War, Spain controlled more property on the North American Continent than any other nation, which included the old British colonies of East and West Florida, the lower Mississippi River and New Orleans, the huge territory known as Louisiana on the west side of the Mississippi, all the rivers draining into the Gulf of Mexico, and most of what would be California, Arizona, Texas and New Mexico. Spain? How did Spain get so powerful? Here's how.

With the war over in 1783, the thirteen British colonies, now established as a confederation of states, occupied only that small part of the North American continent south of the Saint Lawrence River down to Georgia and as far west as the Mississippi River. Exhausted by the war, heavily in debt and still working to design a viable federal government, the young United States paid little attention to Spain as she quietly grew her hegemony. The biggest problem: Spain was stopping all U.S. commerce coming down the Mississippi River and passing through New Orleans to the Gulf of Mexico. Spain was a power to be reckoned with.

For a dozen years', Spanish emissaries and U.S. diplomats sparred over the use of the Mississippi River and the exact boundary line between the two nations. Finally, in 1795, both issues were resolved in great detail by the Treaty of Friendship, Limits and Navigation between Spain and the United States – the so-called Pinckney Treaty, aptly named for its chief U.S. negotiator, Thomas Pinckney. The two major provisions of the treaty opened up the Mississippi River for free trade and delineated the boundary line between the six-year-old United States and the Spanish-held territory of East and West Florida. After the new Congress ratified the Pinckney Treaty, President Washington appointed Andrew Ellicott as commissioner for the survey and directed him to organize a team to meet the Spanish survey team in Natchez, a small village with a Spanish fort on the banks of the Mississippi River, and perform the survey of the new boundary.

Washington chose Andrew Ellicott, a second-generation Pennsylvanian and the most famous astronomer-surveyor in America. The book is not a biography of Ellicott, but is a close study of what is unquestionably a major achievement. His exploits in this monumental United States/Spanish survey of the

boundary line provide a stunning record of a critical moment in American history.

The dramatic stories of his four-year-long efforts are the stuff of fiction. Here are adventures into unknown territory fraught with physical hazard and personal danger, including encounters with hostile Indians, Spanish spies, and a cast of remarkable characters. Revealed in his letters home, there is also a warm tale of spousal devotion (he addressed his wife as “Dearest of All Earthly Beings”) despite his having a washerwoman as a mistress. The stories of Ellicott's extraordinary work are peopled with men such as William Dunbar (a brilliant scientist and surveyor who lived in Natchez), Manuel Gayoso (the Spanish governor in Natchez and later New Orleans), Anthony Hutchins (plantation owner, obstructionist and English loyalist), Benjamin Hawkins (a former U.S. senator and agent to the Cherokee Indians), and Thomas Freeman (a rival surveyor who would make life miserable for Ellicott). Appearing in this story as well are officials at the highest level of the U.S. government who oversaw and financed his work.

After Ellicott finished the survey and returned to his home in Philadelphia, the capital of the United States, he spent two years writing his manuscript and creating maps of all the rivers and important places in the unknown southwest territory. In 1803, he published the 450-page *Journal of Andrew Ellicott* about his experience, which included a 300-page diary, 150 pages of astronomical observations and mathematical calculations, and the maps he drew of his travels. This book is based on the *Journal* and hundreds of his letters to and from contemporaries.

Elliott's perseverance to successfully complete his assignment in spite of the dilatory Spanish, hostile Indians and dealing with terrible living conditions, can arguably be said to have stopped Spain's hegemony on the North American Continent.

More information about Bill and his book can be found at www.georgiahistorypress.com. Copies can be purchased online at www.pobonline.com or from www.amazon.com



** This article was re-circulated with permission and can be found in the Winter 2016 publication of the Ontario Professional Surveyor, Volume 59, No. 1. **

Minutes of the 65th Annual General Meeting
The Association of Nova Scotia Land Surveyors
Atlantica Oak Island Resort, Western Shore, NS
October 14 – 16, 2015

Thursday, October 15, 2015

Meeting called to order at 8:59 PM by President Isenor

Opening ceremonies:

President Isenor opened the meeting by stating: "This meeting will be governed by Roberts Rules of Order and common sense. Each member wishing to speak shall approach the microphone, state his or her name or be recognized by the chair. Speaking to a motion will be to a maximum of FIVE minutes and limited to one time only until all wishing to speak have had a chance. If time remains, members may speak a second time. Voting shall normally be done by show of hands but the chair reserves the right to call for a secret ballot. Only regular and life members of the association are allowed to vote. In case of a tie, the chair shall have the deciding vote."

Appointment of parliamentarian: Phil Milo

Introduction of New Members:

Robyn Ash, NSLS #656
Crystal Surette, NSLS #657
Adam Patterson, NSLS #658

Introduction of the Out of Town Guests:

British Columbia – Ron & Marna Johns
Alberta – Greg & Catherine Boggs
Saskatchewan – Chris & Heather Kuntz
Manitoba – Michael & Heather Paré
Ontario – Travis Hartwick
Quebec – Pierre Tessier

New Brunswick – Walter & Shelagh Rayworth
PEI – Derek French
Newfoundland – Cliff & Dorothy Hawco
Canada Lands Surveyors – Anne Cole & Ron
Mulholland
Professional Surveyors Canada – Fred
Hutchinson

Introduction of 2015 Exhibitors:

Cansel Wade – Pat Hills, Dennis Whalley & Brian Lunn
Leica Geosystems Ltd. – Paul Lyons & Andrew Gillis
Brant Positioning Technology – Mike Barbrick, Dave Crighton, Jason Hanrahan, Eric Valois & Joe Chisholm
CG & B Group – Mark Sampson
PSC – Fred Hutchinson
ACLS – Anne Cole

Introduction of Council Members:

President Isenor introduced the Council that served for 2014-2015 as follows:

Zone 1 – Raymond Pottier	DNR Appointee – Bruce MacQuarrie
Zone 2 – Brian MacIntyre	Vice President – James McIntosh
Zone 3 – Stephen Rutledge	Past President – Cyril LeBlanc
Zone 4 – Dennis Prendergast	Public Representative – Eugene Peters

Moment of Silence:

Everyone was asked to stand and join in a moment of silence for those who are no longer with us, Robert Murray NSLS #190, Thomas Foster NSLS #320, Robert Fitzner NSLS #467, George Swanburg NSLS #87, Arthur Harris NSLS #44, Alex McDonald NSLS #179, and former members we have lost as well as those who have lost friends and family this year.

A) Secretary's report on the convention attendance and membership roll:

Secretary Fred Hutchinson gave a report on the membership status.

- Number of members registered for the convention **126**.
- Number of members present for the meeting exceeded the required quorum of **35**

	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	2002	2001
Dues \$	1200	1200	1200	1200	1200	1100	1100	1100	800	800	800	800	800	800	670
Regular	149	151	154	155	152	155	161	165	172	173	177	187	197	203	208
Life	21	19	18	20	19	18	19	19	19	19	20	20	18	16	16
Retired	31	33	34	35	41	35	35	35	34	39	39	35	34	35	36
Candidate	28	24	21	20	25	24	21	24	24	23	24	24	21	21	19
Honorary	4	4	3	3	3	3	3	4	4	4	4	4	4	4	4
Associate	1	1	1	1	2	4	5	7	7	3	2	0	0	0	0
TOTAL	232	232	231	234	242	239	244	254	260	261	266	270	274	279	284

B) Approval of the 64th Annual General Meeting minutes:

The meeting was held at Membertou Trade & Convention Centre, Sydney, October 16 – 18, 2014 with minutes published in the spring 2015 issue of the Nova Scotian Surveyor pages 18 - 24.

Call for errors or omissions: none

Call for mover to approve the minutes: Ray Pottier

Call for seconder: George Sellers

Motion carried

C) Business arising from the minutes of the 64th Annual Meeting: none

D) Report of Council meetings, highlights and President's activities:

President Isenor started by announcing the dates when the council had met. The dates in order are: November 21, 2014, February 20, 2015 (conference call), March 5, 2015, June 19, 2015 and September 10, 2015. There were many issues dealt with over the year. Some of the larger issues were the budget and dues as well as the standards package ready to be adopted at this AGM. Another topic of conversation is the land registry privatization. We are a key stakeholder and we have kept pressure to stay on the front line and have our input accounted for. Jason Bond, with his completion of the Active Control Network with 40 stations ready to go, has a positive impact on our members and the future of surveying. It has been a busy year. President Isenor thanked council and office staff for their support and is confident progress has been made.

E) Executive Directors report:

Fred Hutchinson is in the roll of Executive Director, Secretary-Treasurer and Secretary to the Board of Examiners. His reports are in each issue of the Nova Scotian Surveyor. They are not always the report from one specific title but a combination of all positions. Fred Hutchinson gave an overview of the office activities pertaining to complaints and / or questions from land owners via phone, drop-in or email. This becomes part of our public relations as we express the importance of contacting a land surveyor for anyone with concerns about their property. If any surveyor has any questions, they are also encouraged to contact Paul Harvey from the Survey Review Department.

F) Financial Report:

- The financial report for 2014 – printed in the Fall issue of the Nova Scotia Surveyor
- Deficit of \$22,000 in 2014

The finances are open to any member who have any questions and may call the office with inquiries.

G) Report of Scrutineers:

Election in zones 2 & 3 are by acclamation.

President – Jim McIntosh

Vice President – Kevin Brown

Past President – Jody Isenor

Zone 1 – Ray Pottier

Zone 2 – Brian MacIntyre

Zone 3 – Steve Rutledge

Zone 4 – Dennis Prendergast

DNR Appointee – Bruce MacQuarrie

Public Representative – Eugene Peters

H) Report of Committees:

All committee reports are found in the Fall 2015 issue of the Nova Scotia Surveyor.

- Complaints Committee: Garry Parker, chair – 3 active complaints

One almost resolved

Still need a public representative for complaints

I) Motions:**MOTION #1**

Be it Resolved to approve the 2016 Budget as printed in the Fall 2015 issue of the Nova Scotian Surveyor.

MOVED BY: Rod MacInnis SECONDED BY: Glenn Crews

President Isenor speaks on the proposed dues increase:

- Increase from \$1200 to \$1500
- 5th consecutive year with no increase

Fred Hutchinson speaks on the reasons for the increase:

- All in commitment to PSC for 3 years – 2016 is year 3
- \$200,000 in reserves – recommended to have 50% of annual budget in reserve
- Explained unused line items on the budget
- What PSC does and why it is beneficial

Carl Hartlen – when does PSC end? Will we be in better shape if we do not continue?

Jody Isenor – yes, 3rd year. If we did not continue with PSC, we would be financially good.

Fred Hutchinson – Certificate of Authorization will increase from \$100 to \$200 + HST per annum. Dues are up to the membership; at any time, they can be decreased.

Ray Pottier – Advocated for the PSC commitment, and when the decision was made to go all in, it was known that the finances would need to be looked at for the 3rd year. The dues increase is \$100 with \$200 toward PSC.

Jody Isenor – That is, finances drastically change and we end up with large surplus; nothing stops us from decreasing the dues.

Fred Hutchinson – The Association is a business and we need to treat it as such.

Garry Parker – Where are the savings? In GIC's?

Fred Hutchinson – Money is currently in a savings account. Council just authorized us to put monies into low risk investments.

Ed Hingley – Where does the savings show up on the financial statement?

Fred Hutchinson – Under assets

Glenn Myra – What is the amount of the cash assets?

Fred Hutchinson – Approximately \$200,000

Show of hands only, 7 against, 2 abstentions

Motion Carried

Break: 10:05

Presentation from CG&B Group: Mark Sampson, presented information on the E&O insurance program under PSC.

Lunch: 11:55

Meeting resumed @ 2pm.

President Isenor and meeting chair, acknowledged senior members Errol Hebb, NSLS #7 and Frank Longstaff, NSLS #279, who were in attendance.

MOTION #2

Be it resolved: to approve the Standards of Practice Manual as distributed to the membership.

MOVED BY: Carl Hartlen **SECONDED BY:** Ray Pottier

Carl Hartlen – Chair of the Standards Committee gave a brief description on the history of the Regulations and Standards.

Proposed amendment to Motion 2

Be it resolved to delete Section 6.3

MOVED BY: Glenn Myra **SECONDED BY:** Jim McIntosh

Bruce MacQuarrie – against; if a company comes to assume Registry management, we can then make changes to the standards if warranted.

Tom Giovannetti – against; amendment. If plans are registered for every marker set, its a good thing.

Jody Isenor – against removing, just because of the potential privatization. That is not protecting the public.

George Sellers – all surveyors have access to all other surveyors' plans as an alternative.

Fred Hutchinson – against; if markers are placed with no documents to support location, then there is no protection for the public if plans are not recorded.

Jim McIntosh – in favor; if there has not been mandatory plan registration, why start now?

Andy Decoste – against; but put a time line on how long to register plans.

Vote 37 In favor, 57 against, 3 abstentions ***Motion Defeated***

MOTION #2

Proposed amendment to Motion 2

Be it resolved to amend Section 6.3 as follows: "All plans prepared shall be registered either in appropriate registration district or with the Association of Nova Scotia Land Surveyors"

MOVED BY: George Sellers **SECONDED BY:** Art Backman

George Sellers – set up a database for surveyors' plans.

Art Backman – support amendment – have our own registry, then we have an option and the plans will be accessible.

James Redden – would there be a cost for setting up a database?

George Sellers – there would be a cost to establish and access.

Glenn Crews – against amendment – implies there is already a database in place. This is not so. I would need to contact SRD to see if there are plans associated with my survey.

Vote 42 In favor, 59 against, 3 abstentions ***Motion Defeated***

MOTION #2 on the floor**Proposed amendment to Section 6.1**

Be it resolved to remove the words: “*sketch, drawing, diagram or graphic representation*” but leave any plan of a retracement survey and will be prepared according to 6.0 of the standards.

MOVED BY: Tom Giovannetti

SECONDED BY: Edward Hingley

Carl Hartlen – provided a brief discussion on the existing wording.

Brian Wolfe – confirm wording on the amendment.

Cyril LeBlanc – agree – If you are working for Department of Environment, QP reports preparing a sketch but would not register with the registry of deeds.

Paul Harvey – doesn't hurt to be there because you would follow section 6 all the way through.

Andy DeCoste – 6.1 is obsolete 6.2 covers it.

Carl Hartlen – you cannot do a certificate and place 4 markers. It is a retracement and should have a plan.

Vote 74 In favor, 14 against, 4 abstentions

Motion Carried

MOTION #2 as amended on the floor**Proposed amendment to Section 6.4 with the addition of:**

A plan is not required when found evidence is replaced with a new monument in accordance with section 5.0 to preserve the original location of the found evidence, and the surveyor is confident that the monument being placed is located in the original position of the found evidence that represents a true angle, point of curvature, or a point on a boundary line of a parcel.

MOVED BY: Carl Hartlen

SECONDED BY: Ray Pottier

Carl Hartlen – feels there is not much controversy, if evidence is found and just wanting to put something back that was already there an exemption should be made.

Glenn Myra – Is this to replace section 6.4?

Carl Hartlen – this would be added to or would become 6.5.

Bruce MacQuarrie – in favor – DNR replaces wooden post with about 1500 survey markers per year.

Vote 65 In favor, 14 against, 1 abstention

Motion Carried

MOTION #2 as amended on the floor**Proposed amendment**

Be it resolved to amend Section 6.2 as follows: the word “*monuments*” be deleted and replaced with “*survey markers, rock posts, cut crosses or drill holes*”

MOVED BY: Glenn Myra

SECONDED BY: Dan Gerard

Glenn Myra – Section 2.8, a monument is described as anything set by a Land Surveyor.

Ray Pottier – against – Section 5.0, monumentation of boundaries addresses what a monument is and 5.1 takes care of that.

Nick Dearman – in favor – monuments in 6.2 are defined as anything place by, or under the supervision of a member.

Carl Hartlen – Section 2.8 defines a monument. Section 5.0 might accomplish everything we want if we strike 2.8.

Vote 24 In favor, 59 against, 4 abstentions

Motion Defeated

MOTION #2 as amended on the floor

Proposed amendment

Be it resolved to amend Section 6.12.10 – by adding acres and hectares.

MOVED BY: Art Backman **SECONDED BY: Cyril LeBlanc**

Tom Giovannetti – square meters are calculated to 3 decimal places and using acres or hectares should also use the same precision.

Carl Hartlen – nothing in the current standards stops you from using acres or hectares if you want.

Vote Show of hands only 3 abstentions

Motion Carried

MOTION #2 as amended on the floor

Proposed amendment

Be it resolved to remove Section 2.8 from standards.

MOVED BY: Nick Dearman **SECONDED BY: Jim McIntosh**

Show of hands only; 3 abstentions

Motion Carried

MOTION #2 as amended on the floor

Proposed amendment

Be it resolved to amend Section 6.12.24 by striking the words “known and “

MOVED BY: Glenn Myra **SECONDED BY: Tom Giovannetti**

Glenn Myra – worry about liability of these words and the inconvenience as well, is not protecting the public.

Carl Hartlen – looked at the wording and feel we are protecting ourselves by removing it, but not so much the public if we do know it and do not show it

Tom Giovannetti – in favor – litigation and misinterpretation from too much verbiage.

Show of hands only; 2 abstentions

Motion Carried

MOTION #2 as amended on the floor**Proposed amendment**

Be it resolved to amend Section 6.12.14 by adding “its published value, date and the horizontal reference frame”

MOVED BY: Steve Acker **SECONDED BY:** Derrick DeWolfe

Show of hands only; 1 abstention

Motion Carried

MOTION #2 as amended on the floor**Proposed amendment**

Be it resolved that - any reference to the Coordinate Survey System be revised to the Nova Scotia Coordinate Referencing System.

MOVED BY: Carl Hartlen **SECONDED BY:** Ray Pottier

Show of hands only; 1 abstention

Motion Carried

MOTION #2 as amended on the floor**Proposed amendment**

Be it resolved that – any revisions to section numbering, rewording of un-amended sections, revisions to grammar or any other minor revisions as required due to any approved amendments to the original document as presented, provided that the intent of any section not be altered prior to the coming into affect of these standards.

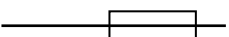
MOVED BY: Carl Hartlen **SECONDED BY:** Cyril LeBlanc

Show of hands only; 1 abstention

Motion Carried

Break: 2:40 PM

MOTION #2 as amended on the floor**Proposed amendment**

Be it resolved to amend Section 6.12.32 by adding “as illustrated:  (grid north symbol)

MOVED BY: John MacInnis **SECONDED BY:** Brian Wolfe

45 In favor, 41 opposed, 2 abstentions

Motion Carried

MOTION #2 as amended on the floor**Proposed amendment**

Be it resolved to amend Section 3.14 on page 4 by striking the words “GNSS observation”

MOVED BY: Jenny Magee **SECONDED BY:** Ray Pottier

Jenny Magee – feels it needs guide lines to reference this, as it reads.

Carl Hartlen – understands, but feels 3.6 covers it.

Show of hands only, 1 abstention

Motion Defeated

MOTION #2 as amended on the floor

Be it resolved to adopt the Standards of Practice Manual as circulated and amended as of today, October 15, 2015

MOVED BY: Carl Hartlen

SECONDED BY: Ray Pottier

Show of hands only; 1 abstention

Motion Carried

MOTION #2 as amended and approved on the floor

Be it resolved that the approved Standards of Practice Manual as amended become effective January 1, 2016.

MOVED BY: Carl Hartlen

SECONDED BY: Ray Pottier

Show of hands only; 1 abstention

Motion Carried

Carl Hartlen thanked the membership and everyone involved with getting the standards approved.

OPEN FORUM:

Phil Milo – losing a number of retired members – could be a great asset looking at voting practices.

Fred Hutchinson – remain up to date with their MCE and they can vote and have all allowances.

Tom Giovannetti – moved to form Act Enforcement Committee. I want to thank them for working hard as we are all working for the common good. We are not there yet and have had challenges, especially with the registry. I have offered my personal assistance to help with the registry. I have also offered with QP issues. Wearing both hats as an engineer and surveyor, I have been very involved with both. We need to identify “What is Land Surveying?” QP cannot report on boundaries. Both Jody Isenor and Dan Gerard are Involved with Engineers Nova Scotia in a review of DOE septic standards. Tom continued by stating his concerns about Qualified Persons (QP’s) providing reports on boundary clearances.

Thanks from all the out of town guests:

British Columbia – Ron Johns

Alberta – Greg Boggs

Saskatchewan – Chris Kuntz

Manitoba – Mike Paré

Ontario – Travis Hartwick

Quebec – Pierre Tessier

New Brunswick – Walter Rayworth

PEI – Derek French

Newfoundland – Cliff Hawco

ACLS – Anne Cole

PSC – Fred Hutchinson

Jody Isenor thanked the exhibitors and presenters Dr. Jason Bond, Izaak de Rijcke & Mark Sampson.

Motion to adjourn: MOVED BY: Rod MacInnis **SECONDED BY:** Blake Beaton ***Motion Carried***

Meeting adjourned @ 3:52 PM

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