

ACLS Offshore Seminar and Second Offshore Issues Consultation Workshop

The ACLS sponsored a number of events between 14 and 16 October in Calgary, Alberta and included the following:

- An ACLS-CHA Hydrographic Workshop on 14 October.
- The ACLS-CHA Offshore Seminar on 15 October.
- The ACLS Second Offshore Issues Consultation Workshop on 16 October.

About 25 people attended the ACLS-CHA Hydrographic Workshop, which provided a better understanding, for assorted landlubbers, of the essential elements of the ACLS curriculum for this topic. *Tim Janzen* covered numerous items in his 2-hour presentation, which was very well received.

A new edition of “Canadian Offshore Property Rights” was released the next day at the ACLS-CHA Offshore Seminar at which about 50 people attended. *Ted L. McDorman* used the morning to discuss the new book and take numerous questions on offshore jurisdiction in Canadian waters, and where and what sort of jurisdiction took effect.



Dave Monahan during his presentation at the Offshore Issues Consultation Workshop

TABLE OF CONTENTS

Offshore Seminar	1
G�rard Lachapelle Receives Honorary Professorship	3
President’s Message	4
Permit Requirements	5
Executive Director’s Notes	6
New Rules for the Affidavit of Experience and Practical Training	7
Changes to the CPD Program	8
Yukon First Nations Welcome Land Registry System	9
Summary of Council Meetings	10
Quality Management	12
Practice Review is Underway	16
ACLS AGM 2004 & Events Advance Notice	16

During lunch *David H. Gray* gave a detailed presentation on the submissions to and the findings of the Tribunal, which established the resource boundary between Nova Scotia and Newfoundland and Labrador. The two phases of the Tribunal were explained. During Phase I it was established that no previous agreements had been reached, and in Phase II the delimitation was established based on international maritime boundary conventions, cases, and precedents. For many participants it was an opportunity to understand the process to establish such a maritime boundary following international boundary concepts.

After lunch a number of speakers gave presentations on practical matters related to offshore boundaries. *Jean Gagnon* provided an

Continued on page 2

Continued from page 1

overview of the Canadian oil and gas rights regimes. He also discussed the progress towards the implementation of the NAD83 grid and how rights would be affected including those already mapped on NAD27. *Ahmed El-Rabbany* described the FIG sponsored efforts towards a single vertical datum, and the possibilities and practicalities of this effort. With the growing number of coastal applications, such as coastal zone management and marine boundary delimitation, it is becoming increasingly preferable that a seamless vertical reference surface be established.

Tony LaPierre described ongoing research efforts in comparing multibeam echo sounder (MBES) and 3D seismic renders in deep water for accurately portraying the seabed features. *Andrew Leyzack* showed 3D images and video, generated from Canadian MBES data in the Great Lakes and Arctic. The substantial erosion of man-made islands built in the 1980's for oil and gas exploration drilling in the Beaufort Sea were a vivid illustration of the forces of nature.

Chris Carleton completed the Offshore Seminar presentations by providing insight into recent International Court of Justice (ICJ) rulings. Early maritime boundaries were generally median lines. Boundaries in the 1970's to 1990's relied upon equitable principles. Modern trends appear to be moving back towards a median line based solution, taking account of geographical inequity.

The Seminar was followed by a reception hosted by RICS Geomatics Faculty at which the Offshore Seminar participants, people attending the Canadian Hydrographic Association (CHA) AGM, and pre-registrants for the Canadian Institute of Geomatics (CIG) were invited. This was very successful with over 60 people attending.

On the following day about 50 invited participants attended the ACLS Second Offshore Issues Consultation Workshop (OICW). The policy discussion forum was able to further awareness of several issues including better understanding of the role geomatics plays in our marine environment. For this event the speakers presented information on an offshore topic and then relevant set questions were posed and discussed at each table. Later in the day there was time to present the input from the six (6) tables. The facilitator *George Schlagintweit* introduced the speakers and kept the proceedings on schedule.

The first session concentrated on the marine cadastre, which is part of the overall Marine Geospatial Data Infrastructure (MGDI) concept. *Michael Sutherland* gave a review of the status of the recommendations from the First OICW held in Halifax in 2001. This was a good basis for discussions in the proceeding years and for the Workshop in Calgary. *Dave Monahan* spoke next on the mapping implications for Canada of ratifying the United Nations Convention on the Law of the Sea (UNCLOS), which Canada ratified shortly after this Workshop. The methods and procedures to be used in the delimitation of various UNCLOS limits were reviewed, particularly the outer continental shelf limit defined in Article 76. The concept of a marine cadastre for these 'new' offshore areas was suggested as on tool to be used to improve the management of resources.

Michael Sutherland returned to the floor to provide information on the UNB-FIG Marine Cadastre Meeting held at the New Brunswick University (UNB) between 15 and 16 September 2003, of which the RICS had also been a sponsor. The federal Australian authorities had taken a lead with their marine cadastre, and it was emphasized that all stakeholders need to use a common language in order to address the issues effectively. Following a trend from general to specific in the OICW, *Jean Gagnon* next provided a presentation on Canadian offshore property rights giving specific examples of the present system. The first breakout session followed with questions and discussions focused on the marine cadastre.

Diana Ginn provided a reality check with respect to aboriginal rights in Canada with lessons from Australia and New Zealand, and the implications for policy development. The second breakout session was dedicated to

Continued on page 3

First Nations and the offshore, which provided opportunities to discuss this often misunderstood topic and exchange ideas for improvement.

During lunch, *Henry Kucera* provided an overview of the COIN (Cooperative Ocean Information Network) Pacific initiative. COIN is a network of like-minded individuals from various interest groups (with an offshore bent) who cooperate within a 'community of practice' to define projects, find funds, and let contracts. After lunch Henry got technical, and discussed what it takes to create an enabling technical infrastructure. An oil and gas industry perspective was provided by *Steve Thomas* and *Dave Berard*, who discussed the typical data types required, the consultations required with respect to each data type, and the Information Technology (IT) aspects as they pertain to their business, including their oil company's web-based Geographical Information System (GIS). The questions posed for the third breakout session appeared to generate lots of debate on data information management.

Andrew Leyzak then spoke about standards of competence for professional hydrographers and offshore surveyors. Training and recognition of certification peaked in Canada via the Canadian Hydrographic Service (CHS) in the late 1980's. Various reasons were discussed why accredited training programs vanished through the 1990's. Now, Canada is no longer listed as a country that is able to provide International Hydrographic Office (IHO) accredited training. The fourth and final breakout session focused on hydrographic and offshore surveyor professional standards and competence.

The ACLS-CHA Offshore Seminar and Second OICW presentations, the book "Canadian Offshore Property Rights", and a report on the ACLS Second Offshore Consultation Workshop are planned to be available, in due course, on the ACLS web site at www.acls-aatc.ca

Other sponsors of the Offshore Seminar included the CHA, CHS, UKHO, IHO, Hydrosearch Canada, and RICS Canada. For the Second OICW the other sponsors were the CHA, CHS, Natural Resources Canada, the Canadian Institute of Geomatics, FIG Commission 4, and RICS Canada.

Bruce Calderbank, FRICS, CLS, P. Eng.

Gérard Lachapelle Receives Honorary Professorship from Italian University

The University of Calgary Department of Geomatics Engineering is pleased to announce that the Università' Degli Studi Di Napoli Parthenope in Naples, Italy, conferred an Honorary Professorship on ACLS member Dr. Gérard Lachapelle. The university cited his pioneering contributions and numerous outstanding achievements in the area of satellite-based positioning, navigation and location during the last 25 years.

Communique is published free of charge by the Association of Canada Lands Surveyors for its membership, and is prepared by the Communique Committee. All inquiries should be addressed to: ACLS, 1390 Prince of Wales Dr. #400, Ottawa ON K2C 3N6. Tel: 613-723-9200 Fax: 613-224-9577 Email: admin@acls-aatc.ca

PRESIDENT'S MESSAGE

As you are likely aware, the upcoming ACLS Annual General Meeting will be held in Whitehorse, Yukon in June of 2004. The ACLS Council would like to continue to move the AGM around the country, bringing the meeting to our members. While I realize that in Whitehorse we are bringing the meeting to a relatively small number of northern CLSs, I believe, albeit with some bias, that these members play an important role in our Association.

I have received encouragement to take the meeting to "north of 60" by Council, the Yukon Regional Group, the membership at large and by other land surveyors across the country. Land surveyors from all jurisdictions have mentioned their memories of the 1992 CISM convention held in Whitehorse. We hope to repeat that success at our 2004 AGM. In 1992 we asked everyone to leave their ties at home and enjoy the relaxed atmosphere of Yukon, and we would like to reiterate that sentiment again this spring.

While Canada in general is having problems with air travel, the Yukon is enjoying the benefits of Air North, a new locally owned and operated jet service provider, while still having the continued service of Air Canada. Air North has increased competition and expanded service not only to Vancouver but also to Calgary and Edmonton.

Educationally, we will offer three days of interesting topics prior to the AGM. The ACLS and NRCan, Legal Surveys Division are cooperating in a joint effort to put on seminars such as "Options for Land Registration and Survey Systems on Aboriginal Lands in Canada" and related topics regarding land management. These will be presented by well-known geomatics professionals, tentatively including Jim Dobbin and Brian Ballantyne.

Additionally, we are hoping to offer concurrent sessions of the new Geoconnections\CIG\CCLS\GIAC Business Practices seminars. These are brand new, titled "Writing Winning Geomatics Proposals", "Managing Geomatics Projects" and "Closing more Geomatics Sales". The pilot offerings of these seminars have been very well received.

Additionally there will be a half-day seminar offering from our Geomatics Information Technology Committee on the topic of "Determination of Natural Boundaries using Remote Sensing" and a half-day on ACLS Business Affairs.

Social activities will include the 13th Annual ACLS Golf Tournament, held under the midnight sun. We will be offering travel and site-seeing activities for pre and post convention periods to many of the historical and sport fishing offerings in Yukon and Alaska.

So, on behalf of the ACLS, the Yukon Regional Group, my wife Robyn and myself we invite you to join us in Whitehorse in June 2004 to enjoy the "Magic and Mystery" of the Yukon.

**G.C. Friesen, BCLS, CLS, P. Eng.
President**

The Council and staff of the Association would like to extend our best wishes for the New Year, may you and your loved ones enjoy health and happiness, and you find 2004 a busy and prosperous time.

VisionPlus Professional

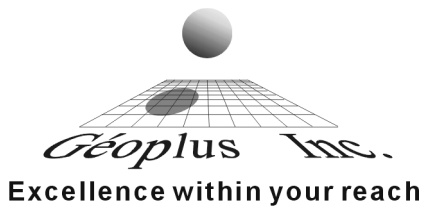
www.geo-plus.com



The Choice of Experts



VisionPlus Professional software was developed right from the start by surveying and land management experts for their peers. It resolves functionality, usability and process-related issues by integrating into your standard AutoCAD® or MicroStation® environment, useful and easy to use COGO, terrain modeling and design automation tools. VisionPlus Professional dramatically simplifies the drawing layout and information workflow processes, optimizing efficiency and profitability of your work teams!



Our product includes many great features such as the Combined-Scale Factor. For detailed information call now ! 1.800.672.1733
Géoplus, Inc. 1605 Highway 440 West – Suite 214 A, Laval QC H7L 3W3 | Fax: 1.450.681.0031

Permit requirements

Recently, an inconsistency was noted between the English and French versions of Section 60 of the Canada Lands Surveyors' Act.

The English version states that the Registrar may revoke a permit if a permit holder no longer has a *partner, associate or employee* who holds a licence and who is capable of personally supervising and directing cadastral surveys.

The French version is the same except for the interpretation of 2 words in the French version, being:

- "administrateur" which translates to administrator, director.
- "dirigeant" which translates to senior manager, executive or leader.

Translations are from the "Le Robert & Collins Senior" French - English dictionary.

Both versions of the Act are equally authentic and authoritative. Neither takes precedence over the other. The basic rule used by courts in interpreting legislation is that if two versions do not say the same thing, the meaning that is shared by both should be adopted unless that meaning is, for some reason, unacceptable.

The ACLS Council believes that the French provision seems to make good sense when the purpose of the section is considered. The purpose of the section is to ensure that a permit holder has a CLS in a position with a significant degree of control over the work being performed. Someone who is a director or senior manager should come within this requirement.

So in addition to partner, associate and employee, a *director* of the entity will also be acceptable as the responsible CLS when applying for an ACLS Permit.

Jean-Claude Tétrault
Registrar

EXECUTIVE DIRECTOR'S NOTES

ACLS Scholarship Program

The July issue of *Communique* had a piece on the new ACLS Scholarship Program to be implemented in 2004. At the last AGM some members had suggested that the ACLS set up a Foundation to manage the Scholarship Fund. Council made the decision to go ahead with that idea.

So, last summer, the CPD Committee started work on setting up the new Foundation. The ACLS legal counsel has drawn up the legal papers and at this time is taking the necessary steps to register the Foundation and obtain a charitable status number. We are hoping that the new Foundation will be in operation next January.

CPD Forms

It is time to think about submitting your 2003 CPD Reporting Form. Why not save postage and slip it in with your dues payment? For those forms submitted by the deadline of January 31, 2004, the CPD Committee will draw "a name from a hat" for a PRIZE of a \$100 shopping card from Canadian Tire. Whether you put your name on your reporting form or not, please attach a business card for the draw of the prize.

New CLSs

The following people have met the ACLS Board of Examiners requirements and have been offered a Canada Lands Surveyors Commission (since August 2003):

- Damian F. Gillis, Calgary, Alberta;
- James Watling, Winnipeg, Manitoba;
- Patrick J. Byrne, St. John's, Newfoundland;
- Christopher J. Chiasson, Calgary, Alberta ;
- Sandra M. Davies, Calgary, Alberta;
- Robert S. Radovonovic, Edmonton, Alberta;
- Jason C. Holway, Edmonton Alberta AB;
- Tania L. Marynowich, Edmonton, Alberta; and
- Peter T. Raikes, Barrie, Ontario.

Congratulations to you all.

New Inserts for the ACLS Brochure

The Aboriginal Liaison Committee just finished the "CLS Package" project, which is a promotional tool consisting of three new inserts for the ACLS brochure. The titles of the inserts are as follows:

- Geomatics
- The Canada Lands Surveys System
- The Canada Lands Surveyor

Copies of the English version of the new inserts are available at no charge except for shipping. Copies of the French version will be available in January 2004.

ACLS Plan Stickers

Effective January 1, 2004 the ACLS will no longer issue plan stickers.

In its place, the plan fee of \$50 is included in the new *ACLS Plan and Monument Assessment Fee Report Form*. One form must accompany each plan, plan and field notes or field notes only in plan form (even those where no monuments were placed) sent to Legal Surveys Division for review as first submissions. Submissions made without this form will be reported to us by LSD personnel. If no survey monuments were placed, the surveyor just writes the number 0 in spaces related to monuments count and fee.

If you have a stock of stickers, not a problem, all you have to do is affix a sticker on the new form.

The new form is posted on the ACLS Web site. Please dispose of the old form.

Continued on page 7

Council and Committees' Calgary meetings

In addition to the various Offshore events on October 14, 15 and 16 in Calgary, the following meetings were held:

- October 17: Standard Council face-to-face meeting;
- October 18: Strategic Planning meeting which included as participants, in addition to Council members, myself and the Practice Review Manager, the Chairpersons of the following committees:
 - Practice Review
 - CPD
 - Offshore
 - Joint Standards
 - Aboriginal Liaison and
 - Practice Manual
- October 19: Face-to-face meeting of the above mentioned committees.

The ACLS held its first Strategic Planning meeting in October of 2002. The purpose of this year's meeting was to update the Strategic Plan. The new plan will be posted on the Web site in February.

The October 19 meetings were a first for the Association. Most ACLS Committees only hold teleconference meetings, which is far from being ideal for committee work. All participants agreed that much progress was made at these meetings and Council decided to repeat the experience next year.

Council wishes to thank all committee members who attended.

Jean-Claude Tétreault
Executive Director

New rules for the Affidavit of Experience and Practical Training

By mid-March 2004, all CLSs applying for a Licence to Practice will have to submit an Affidavit or Statutory Declaration of Experience and Practical Training.

On December 10, 2002, Section 26.(2) of the CLS Regulations was amended. The new rule is that up to March 17, 2004 everyone who received a Canada Land Surveyors Commission before March 18, 1999 can apply for an ACLS licence without having to submit an Affidavit (or Statutory Declaration) of Experience and Practical Training.

After March 17, 2004, however, the Affidavit or Statutory Declaration will be required for all CLSs applying for a licence.

In addition, Council changed the policy in respect to the Affidavit for the land-surveying field. Here is the new policy:

POLICY 03-01: Affidavit of training and experience starting on 03-01-28

The following requirements will be imposed upon Canada Lands Surveyors who are not entitled to practice cadastral land surveying in a Province of Canada and who are applying for a Licence to Practice with the intention of practicing in the cadastral land surveying field:

- In the two years of experience and practical experience required by Section 52 of the Act respecting Canada Lands Surveyors there must be at least 225 working days of practical experience in cadastral land surveying of which period, at least 113 working days of field experience starting at the party chief level and progressing to the professional level in cadastral land surveying; and
- The above-described requirement must be done under the direct supervision of a licensed professional land surveyor with at least three years of experience in cadastral land surveying.
- The Board of Examiners may consider special circumstances where the applicant for a licence may not meet the specified working days, field time and supervisory requirements.

Jean-Claude Tétreault
Registrar

Changes to the CPD Program

Council has approved the following changes (shown in bold) to the CPD program at their December 9 meeting:

1. Changes to the definitions of CPD Categories:

➤ *Formal Activities (Directly related to the Profession)*

Attendance by the member at courses, seminars, conferences and congresses provided through universities, technical institutes and colleges, or sponsored by the profession or industry. Employer training programs and structured on-the-job training. Short courses and workshops provided by other professional bodies, industry or educational institutions. Full and part-time study at a university, technical institute or college. **Distant (correspondence) learning, open and internet courses that supply a certificate upon successful completion.**

➤ *Community Participation*

Activities that contribute to the community **which require ethical behaviour**, but not necessarily the application of technical knowledge, for which a maximum of 6 CPD hours per year may be claimed.

2. Examples

In an effort to help members in filling out the forms, the CPD Committee developed this list of examples which again has just been approved by Council:

FORMAL

- Attendance at Seminars
- Attendance at Workshops
- Attendance at Insurance Loss Control Seminars
- University Courses (full-time, part-time)
- Correspondence Courses
- Software Courses and Demonstration Sessions (Autocad, Eagle Point, etc.)
- Equipment Certifications
- Labour Training Courses
- Industry Safety Courses
- First Aid Courses

INFORMAL

- AGM Business Meetings
- Meetings of working groups
- Strategic Planning Sessions
- Meetings of other Associations (NALMA, CIG, FIG, etc.)
- ACLS Regional Group Meetings
- BC Lower Mainland Group
- Provincial Regional or Zone Meetings
- Study of videos and transcripts from past seminars, courses, workshops, etc.
- Quarterly / Journal Reading

PROFESSIONAL PARTICIPATION

- Association Committees
- Council Term
- Committees for other Professional, Technical or Managerial Associations or Societies
- Examiner or Invigilator
- Mentor or Principal (for Articling Student)

COMMUNITY PARTICIPATION

- Sports Coach (Hockey, Soccer, Basketball, etc.)
- Scout/Cub Leader
- Fund Raising
- Service Groups (Freemasons, Lions, Kiwanis, etc.)
- Habitat for Humanity
- Ducks Unlimited
- Church Committees
- Citizen Patrol
- Chamber of Commerce
- Business Group Treasurer

Continued on page 9

RESEARCH, PUBLISHING AND PRESENTATIONS

- Newsletter Editor
- Presenter or Speaker for Workshops and Conferences
- Speaker for Career Day (High School, Scouts, University, etc.)
- Presentation to Real Estate Agents
- Post-Graduate Studies (Research)
- Research and Preparation of Discussion Paper
- Writing Articles for Geomatic Journals

3. The CPD Form

The new **ACLS CPD Reporting Form** has two new lines at the bottom of the table to show the reported hours from the two previous years. This will allow the member to assess their “three year rolling average” at a glance.

The CPD Committee has adopted these two new general policies to aid in the review of the 2004 CPD reports :

- The Committee will encourage members to report on the ACLS forms only and not submit forms from other organizations.
- And there will not be any obligation to complete the lines on the form that report the previous years. The extra lines are only for the convenience of the members.

All these changes come into effect on January 1, 2004. The new form, category definitions and examples will be posted on the ACLS Web site in January.

CPD Committee

Yukon First Nations Welcome Land Registry System

Plans for a new Aboriginal land registry system were unveiled in January at a property rights workshop for Yukon First Nations. The project received strong endorsements from the eleven First Nations represented at the workshop. It has also been well received by both Natural Resources Canada (NRCan) and Indian and Northern Affairs Canada (INAC), and is expected to receive funding.

“Eight of the Yukon’s 14 First Nations have negotiated self-government authority and need a system to administrate their settlement lands,” says Joes Iles, VP Operations for the Whitehorse office of Challenger Geomatics. “We are currently working with two groups to finalize a prototype that helps their citizens record land ownership. One of the first applications will be obtaining mortgages.”

The prototype will help Yukon First Nations move from traditional methods based on oral history to a registry and survey system with ties to territorial and federal information systems. Only 20 of Canada’s 680 First Nations have formal land registry systems in place and the prototype has widespread applications for Aboriginal groups across Canada. It is also currently under review in Russia.

NRCan and INAC selected Challenger last year, to produce a land registry design study. “Until the Yukon’s land claims were settled, Indian Affairs managed Aboriginal lands and resources,” says Bob Gray, Deputy Surveyor General (Yukon), NRCan. “The Federal government’s goal is to transfer that responsibility, if desired, to First Nations.”

“We want to ensure Yukon First Nations have the greatest chance of success in providing self-government,” Gray adds. “We are very encouraged by Challenger’s work and the land registry system is a critical first step. We will make it available to First Nations across Canada.”

The prototype is also attracting attention outside of Canada and has been translated for the Russian Association of Indigenous Peoples of the North. In March, Challenger was invited to attend the North Supply Trade Show, co-hosted by the Russian and Canadian governments, in Siberia. Plenary sessions focused on methods, such as the prototype, for developing northern regions for indigenous peoples.

Summary of Council Meetings

June 3, 2003 - Teleconference

- Decision to go ahead with the Hydrographic Workshop and Offshore Seminar in Calgary.
- Discussion of a face-to-face Council meeting in the Fall.
- Review of first draft of the Practice Review Manual of Administrative Procedures.
- Review of first draft of the Manual of Practice.
- Report of a case of alleged illegal practice. A response is expected from the firm in question by June 16.
- Approval of the Board of Examiners recommendation to offer the Canada Lands Surveyor Commission to eight candidates who met the Board's requirements.
- Review of progress on new inserts for the ACLS brochure.
- Decision to proceed with the registration of a scholarship foundation.
- Approval of the Public Relations Committee Terms of Reference.
- Decision to pass over chairmanship of the last CCLS/ACLS/CIG/GIAC Joint Communication Committee meeting of the year to CCLS
- Approval of the CPD Committee recommendations on "Towards the Implementation of Distance Education" working document from the CCLS Distance Education Steering Committee.
- Review of report on labour mobility issue.
- Review of the Regulation and Bylaw amendments. Work on going.
- Decision to suggest to CCLS that they should propose a national model for the expanded profession.
- Discussion on location for the year 2005 AGM. An article will be inserted in the next issue of *Communique* asking members to suggest possible locations.
- Report to the Minister sent to Wes Jamieson for review. Work on going.

August 19, 2003 – Teleconference

- Review of the National Board of Examiners concept. Work on going.
- Report on Consultation Workshop, Hydrographic Workshop and Offshore Seminar.
- Review of latest draft of Manual of Administrative Procedures. A test case in the Yukon is on going and results are expected at the next Council meeting.
- Approval of the latest draft of the Practice Manual.
- Approval of the Board of Examiners recommendation to offer the Canada Lands Surveyor Commission to a candidate who met the Board's requirements.
- Approval of the Discipline Committee procedures documents drafted by the ACLS legal counsel.
- Response received from the firm allegedly performing illegal practice. Situation will be monitored.
- Discussion on adding a third lay member to Council, which would require a change to the Act. Work on going.
- Decision by Council to reject CCLS's proposed changes to the formula to calculate dues owed.
- Strategic & Operational Plan reviewed by Council prior to the October Strategic Planning meeting.
- Jim MacKenzie is now chairman of GIT Committee.
- Discussed Keltic Lodge in Nova Scotia as setting for 2005 AGM.
- Discussion on former member still using CLS title on letterhead, in violation of the CLS Regulations. The Executive Director will speak with the surveyor.

October 17, 2003 – Face-to-face

- Update report presented by Jim Gunn, Practice Review Manager, on the Yukon Pilot Project. It is expected that the Practice Review Department should be fully operational by spring 2004.

Continued on page 11

WE'VE GOT THE SOLUTION

MORASSE

GEODESY

MAGNETIC MARKERS

~ for soil
~ for rock
or concrete
~ GPS marker

PROTECTIVE COVERS

~ aluminium
~ mix
~ lifts

POST

~ witness post
~ raised characters

LEGAL SURVEY

MARKERS

~ aluminium
~ plastic
~ steel
~ boundary
~ terminus type
~ CLS-77
~ CLS-69

STATIONS

~ PK nails
~ identified washers
~ MAG nails

"ASK FOR OUR BROCHURE"

SERVICES

~ installation on the site for geodesic markers
~ design of special markers on request
~ markers to fit federal and provincial standards
~ shipping all around the world

J. P. MORASSE INC. 1321, Marie-Victorin, St-Nicolas, Quebec, Canada G7A 4G4
Tel.: (418) 831-3811 ~ 1 800 463-6866 • Fax: (418) 831-7827 ~ 1 800 463-8138
WEB SITE: www.morasse.com • E-mail: morasse@total.net

Continued from page 10

- Approval of the Board of Examiners' recommendation to offer a CLS Commission to one candidate.
- G.C. Friesen and J.C. Tétreault presented a report on the CCLS/ACLS/CIG/GIAC Joint Communications Committee meeting, which was held yesterday.
- D. Scrivens reported that the CPD Committee received a first draft of the legal papers to set up the new ACLS Scholarship Foundation and asked for Council's direction on a few details.
- Appointment of Jean-Noël Lechasseur on the Board of Examiners for another term.
- Council is concerned about the exemption section of the new draft of the Association of Professional Engineers and Geoscientist of British Columbia Act. A letter of concern will be sent to the APEGBC.
- Since the ACLS did not receive proposals from the membership for the year 2005 AGM, preliminary inquires will be made with the Keltic Lodge in Ingonish Beach, Nova Scotia.

Jean-Claude Tétreault
Secretary-Treasurer

Quality Management

Quality management is more than reviewing a survey plan using a check list. A quality management system is a series of practices, processes and tools. But how can an organisation build a quality management system?

There are many frameworks in use all over the world but the most widely known is the International Organisation for Standardization (ISO) family of standards. The ISO 9000 :2000 standards consists of four primary standards :

- ISO 9000 : Quality Management Systems – Fundamentals and Vocabulary
- ISO 9001 : Quality Management Systems – Requirements
- ISO 9004 : Quality Management Systems – Guidance for Performance Improvement
- ISO 19011 : Guidelines on Quality and Environmental Auditing

Most organisations implementing ISO will seek for ISO 9001 certification. For detailed information on the ISO series, go to www.iso.ch

As was mentioned in an article on GIS certification in the December 2002 issue of *Communique* (page 8) ISO set up the Technical Committee 211 (TC211) to produce a set of standards in respect to geographic Information/Geomatics. The following standards have been published :

ISO 6709:1983

Standard representation of latitude, longitude and altitude for geographic point locations

ISO 19101:2002

Geographic information -- Reference model

ISO 19105:2000

Geographic information -- Conformance and testing

ISO 19107:2003

Geographic information -- Spatial schema

ISO 19108:2002

Geographic information -- Temporal schema

ISO 19111:2003

Geographic information -- Spatial referencing by coordinates

ISO 19112:2003

Geographic information -- Spatial referencing by geographic identifiers

ISO 19113:2002

Geographic information -- Quality principles

ISO 19114:2003

Geographic information -- Quality evaluation procedures

ISO 19115:2003

Geographic information -- Metadata

ISO/TR 19120:2001

Geographic information -- Functional standards

ISO/TR 19121:2000

Geographic information -- Imagery and gridded data

The following standards are in development :

ISO/AWI 19101-2

Geographic information -- Reference model -- Part 2: Imagery

ISO/CD TS 19103

Geographic information -- Conceptual schema language

ISO/PRF 19104

Geographic information -- Terminology

ISO/PRF 19106

Geographic information -- Profiles

ISO/AWI 19115-2

Geographic information -- Metadata -- Part 2: Extensions for imagery and gridded data

Continued on page 13

ISO/DIS 19116
Geographic information -- Positioning services
ISO/DIS 19118
Geographic information -- Encoding
ISO/CD TR 19122
Geographic information / Geomatics -- Qualification and certification of personnel
ISO/WD 19126
Geographic information -- Profile -- FACC Data Dictionary
ISO/CD TS 19127
Geographic information -- Geodetic codes and parameters
ISO/CD 19128
Geographic information -- Web map server interface
ISO/WD TS 19129
Geographic information -- Imagery, gridded and coverage data framework
ISO/WD 19130
Geographic information -- Sensor and data models for imagery and gridded data
ISO/CD 19131
Geographic information -- Data product specification
ISO/CD 19133
Geographic information -- Location based services tracking and navigation
ISO/WD 19134
Geographic information -- Multimodal location based services for routing and navigation
ISO/CD 19135
Geographic information -- Procedures for registration of items of geographic information
ISO/WD 19136
Geographic information -- Geography Markup Language (GML)
ISO/WD 19137
Geographic information -- Generally used profiles of the spatial schema and of similar important other schemas
ISO/AWI 19138
Geographic information -- Data quality measures
ISO/WD 19139
Geographic information -- Metadata -- Implementation specification
ISO/AWI 19140
Geographic information -- Technical amendment to the ISO 191** Geographic information series of standards for harmonization enhancements

For information on these standards visit the ISO site and search for TC 211.

Other interesting general frameworks can be found on the National Quality Institute (NQI) Web site at www.nqi.ca which is based in Canada. For example the Institute published a document entitled «NQI Excellence for Small Business: 10 Point Quality Criteria and Self-Evaluation Tool » which is designed to guide businesses of less than 100 employees towards developing a quality management system.

There are others out there such as the Malcom Baldrige Awards Criteria, which is very popular in the United States.

These frameworks are only a starting point. You have to adapt them to your particular needs. Quality management is a challenge. Nobody knows that more than professional surveyors.

Jean-Claude Tétreault
Executive Director

o u t t h e r e w i t h y o u

Did you know that we carry a full line of surveying equipment & accessories?

CST Optical Tribrach

61-4500YEL

\$205.00



Aervoe Inverted Paint

140-06xx

\$3.55/can (1 case min.)



ErgoVest™ Internal Harness Vest

Built-in adjustable internal harness frame takes the weight off your back

310-05xx

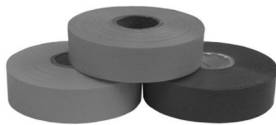
\$189.00

Deluxe Surveyor's Vest

Red cotton
Radio pouch
Safety stripes

310-04xx

\$89.00



Arctic Plus Flagging Tape

Full 1 inch width
UV stabilized
Cold crack protected
BEST PRODUCT AT THE BEST PRICE

93¢/roll (1 case min.) 160-30xx

CST Heavy Duty Wood Tripod

60-WDW20HV

\$199.00



CST All-Metal Prism/ 12 ft. Quik-Lok Pole™ Package

63-1010/67-4512TMA

\$297.43



Yamayo 50M Fibreglass Tape

3X faster winding than conventional tapes

230-8064

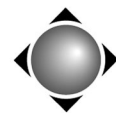
\$34.75



Prices expire Feb. 16/04

Call Cansel to order at **1-888-222-6735**

Vancouver • Calgary • Edmonton • Winnipeg • Toronto • Ottawa • Montreal • Quebec • Halifax



Cansel

o u t t h e r e w i t h y o u

Survey Evolution



Trimble NetRS GPS Reference Station

The most powerful CORS system available with L2C (GPS civil signal) tracking capability, Ethernet connectivity, and advanced data management capability.



Trimble 5600 DR Total Station

Longest range reflectorless total station available.



Trimble 5800 GPS Receiver

Fully integrated, extremely lightweight and cable-free GPS rover.

For more information on these Trimble products, contact a Cansel sales representative at 1-888-222-6735.



www.cansel.ca

Practice Review is Underway

This past summer council accepted the Manual of Administrative Procedures for the Practice Review Department as a working document and initiated a pilot project for the Yukon Territory. This project involves four Yukon firms, one branch office out of Alberta, one British Columbia firm and one regional office of Natural Resources Canada. The next regions to be reviewed will be the North West Territory and Nunuvut.

During recent meetings between the Practice Review Committee, the Practice Manual Committee and the Joint Standards Committee, it was decided that Legal Surveys Division should retain the “marked up” copy from each plan submission and forward them to the ACLS Practice Review Department when they are no longer required.

These “marked up” prints will be filed with Practice Review under the name of the Surveyor who signed the plan. A maximum of ten recent surveys will be retained on file for each surveyor at any given time. When a practice is being reviewed, plans will be selected at random from those on file. All surplus plans will be destroyed unless a member or firm specifically requests that they be returned. Members should also be aware that the Practice Review Committee has decided that 30 days is a reasonable amount of time for a member or firm to respond to a request from the Practice Review Department.

The Practice Review Committee would like to thank all those who are participating in the pilot project for their cooperation and assistance. We look forward to a full scale operation in the new year. Any inquiries to practice review can be directed to Lloyd Taylor, Committee Chairman (lkt@theedge.ca); Jim Gunn, Manager (jimgunn@ns.sympatico.ca) or J.C. Tetreault, ACLS Exec. Dir. (jct@acla-aatc.ca).

**Jim Gunn, NSLS, CLS
Practice Review Manager**

ACLS AGM 2004 & EVENTS ADVANCE NOTICE

The following activities will be held at:

The High Country Inn in Whitehorse, Yukon www.highcountryinn.yk.ca

Other hotel rooms are also reserved at the Best Western Gold Rush Inn just 6 blocks down the street:

www.bestwestern.com

PRELIMINARY PROGRAM

- Concurrent sessions entitled “Writing Winning Geomatics Proposals”, “Managing Geomatics Projects” and “Closing more Geomatics Sales” on Tuesday, June 8, 2004.
- ACLS & NRCanLSD Co-sponsored Seminar on “Land Management/Registration and Survey Systems” on Wednesday, June 9, 2004.
- Seminar on the “Determination of Natural Boundaries using Remote Sensing” and a half-day on ACLS Business Affairs on Thursday, June 10, 2004.
- ACLS 13th Annual Golf Tournament (under the midnight sun), Thursday, June 10, 2004.
- Annual General Meeting on Friday, June 11, 2004.
- Annual Luncheon on Friday, June 11, 2004, Noon.

The AGM Committee is working on organising activities for accompanying persons and pre and post AGM Yukon tourist activities.

The dates and times above are subject to some slight modifications. Details on the program, fees and registration will be posted on the ACLS Web site at a later date.