Higher productivity in survey work

new!

Improve your productivity with the new Leica TC400 and TC600 total stations

Whether for construction site, cadastral, or engineering surveys, you can now choose the ideal instrument for your particular requirements.

**TC400, 10" (3 mgon)**
- The total station for construction surveys
- Set up and measure
- Menu technique for easy operation
- Display and menu in your language

**TC600, 5" (1.5 mgon)**
- For cadastral and engineering surveys
- Integrated survey programs
- ALL function
- Internal data storage

Leica Canada Inc.
Calgary (403) 253-6747
Halifax (902) 468-5122
Montreal (514) 739-9453
Quebec (418) 627-1608
Ottawa (613) 226-1105
Toronto (416) 497-2460
Vancouver (604) 278-3888
Edmonton (403) 459-4025
DRIVEN

TO EXCEED ALL EXPECTATIONS

JOHN BLIMKE MANAGER, LEASE AND RENTAL DIVISION

WITH THE WIDEST SELECTION

LORNE JENKINS RENTAL MANAGER

OF QUALITY RENTAL VEHICLES

LORRAINE HAINSWORTH RENTAL AGENT

AND A DEDICATED TEAM THAT

HALEY STRACHAN RENTAL AGENT

TAKES CUSTOMER SERVICE

JEFF POLOVICK PRESIDENT

BEYOND FACE VALUE.

GET THE DRIVING FORCE ADVANTAGE
BEHIND YOUR NEXT RENTAL VEHICLE.
CALL TOLL-FREE 1-800-936-9353
CONVENIENT LOCATIONS IN EDMONTON, CALGARY AND FORT MCMURRAY.

THE DRIVING FORCE
GROVE RENTALS AND LEASING LTD.
16105 STONY PLAIN ROAD, EDMONTON, ALBERTA T5P 4A1  PHONE: 483-9559
Total stations are changing rapidly now. The ones that are not upgradable will be unprofitable to operate in just a few years time. But by choosing the Geodimeter System 600 you can feel secure.

New products and developments come in the form of modules, which you can add to your system quite simply and smoothly. And best of all, you can decide when to upgrade and to what extent.

**In the spring of 1994** we introduced the “600” in its simplest version. It is servo-driven with the option of customizing the memory capacity, the on-board software, accuracy and range.

**In the fall of 1994** we presented upgrade No. 1 — AUTOLOCK™. A world-shaker. AUTOLOCK™ enables the instrument to lock on to the reflector and follow it automatically when it is moved. This method gives time savings of up to 50% per point, because you don’t need any fine adjustments or focusing. At the same time, ergonomics are greatly improved, reducing the instrument operator’s fatigue that can lead to errors.

**In the spring of 1995** it was time for upgrade No. 2 — ROBOTIC. The “module” that converts the Geodimeter System 600 into an ultra-efficient One Man System.

The philosophy behind the 600 concept is both simple and logical. *What you buy from us is not products* - but productivity. The opportunity of staying one step ahead with new developments and with the requirements of your customers — without constantly having to invest in new surveying instruments. By choosing the Geodimeter System 600 you can look forward eagerly and with high expectations to taking the next step.

**In the fall of 1995** we introduced the Geodimeter Card Memory, a memory unit for on-board recording/data storage on PCMCIA memory cards. The Card Memory can either be attached to the Keyboard Attachment Unit or on a tripod leg.

Please contact us for more details about the Geodimeter System 600, with its unique opportunities for upgrading. Or why not schedule a demonstration? We can promise you that this system will exceed your wildest fantasies.

---

**Geotronics**

Geodimeter® of Canada Ltd.,
41 Horner Ave., Unit S, Toronto, Ontario M8Z 4X4
Telephone (416) 252-4691 Toll Free 1 800-563-7184
Telex (416) 252-8635

---

**Yes please,**
- [ ] Call me. I want to test Geodimeter System 600
- [ ] Send me full documentation on the system

Name ___________________________
Title ___________________________
Company _______________________
Address _________________________
City/Prov _________________________
Phone ___________________________
Fax _____________________________

**Please indicate your preferred method of communication:**
- [ ] Telephone
- [ ] Fax
- [ ] E-mail
- [ ] Mailing

**How will you use the Geodimeter System 600?**
- [ ] Surveying
- [ ] Engineering
- [ ] Construction
- [ ] Land Development
- [ ] Environmental
- [ ] Geomatics
- [ ] Other

**How will you use the Geodimeter System 600?**
- [ ] Surveying
- [ ] Engineering
- [ ] Construction
- [ ] Land Development
- [ ] Environmental
- [ ] Geomatics
- [ ] Other
FEATURE ARTICLES

Professional Development Program Questionnaire Results .................. 29
The Real Property Report Course ............ 30
Salary Survey Results ..................... 32
Two Mules and a Skinner ................... 39
L.A. Kluthe Appointed as Public Member on the PRB ................. 40
Report on the 91st AGM of the Corporation of Land Surveyors of the Province of British Columbia .......... 43

REGULAR ARTICLES

President's Message ....................... 5
Association Notes ....................... 6
Committee Reports for 1995/96 .......... 9
Systematic Practice Review Report ..... 27
From the Registrar ....................... 31
Book Review ............................ 35
Guardpost ............................. 36
Commentary ........................... 37
ASSMT Notes .......................... 41
MicroSurvey Software Sale!

Save $885

For a limited time you can purchase a full copy of MicroSurvey® Version 12.10 for only $995. If you have been waiting for a sale to add that extra license you need for your office, or if you want to move up to a site license (3 copies) give us a call. Offer expires on May 31, 1995.

MicroSurvey is Canada's leading surveying program. More Canadian Land Surveyors use MicroSurvey than any other package.

MicroSurvey Software, Inc.
3396 Sunnyside Road,
Kelowna, BC
Y1Z 2Y4
Office (800) 668-2320
FAX (604) 769-4458
BBS (604) 769-0326
PRESIDENT'S MESSAGE
by John H. Holmlund, A.L.S.

How time flies? It seems only yesterday that your Council met for the first time to set its course for the coming year. This past year Council has worked diligently to address the issues that came before us and hopefully, we have laid a clear path for those to follow.

The continuation of the Cadastral Position at the University of Calgary was certainly of concern to all Surveyors in Western Canada. I believe through the effort of our Association and our sister associations, we have come along way in securing that position for years to come. Collectively, we have committed to assist with the funding of the position for the next five years.

Through our efforts we have improved communication with the Geomatics Department at the University of Calgary and hopefully fostered a better relationship for the coming years. It must be clearly understood that our funding agreement is for the next five years only, and much work is still to be done to develop a long term plan to fund the position. I would like to take this opportunity to thank Mr. Stephen Fedlow, A.L.S. for stepping forward and teaching the required Survey Law course to the fourth year Geomatics students at the U of C.

Title Insurance appears to be gaining a foothold in most provinces in Canada. The RPR Task Force has been working in cooperation with the Association of Ontario Land Surveyors to formulate a plan to address the negative impact we feel title insurance has on our conveyancing system. This task force has also been responsible for the development of a Broad Based Committee to examine the importance of the RPR in the conveyancing process.

The Legislation Committee has reworked the categories of membership in our Association and will present those at the Annual General Meeting along with a reformat of our Association Bylaws. It is important to note that the new Bylaws as presented to the membership at the AGM cannot be amended so as to change the intention of the bylaws as presented.

Mr. Al Nelson, A.L.S. and his staff for their cooperation over the past year and for a job well done.

I wish to thank members of Council and all the committee members for the time and effort you have dedicated to the Association over the past year. It has been a pleasure to work with all of you and you have made my job as President a very enjoyable and fulfilling experience. The staff of the Association is very dedicated and we rely heavily on their organizational skills and hard work to help us achieve our goals. Thank you very much for your support and effort.

The Lodge at Kananaskis is getting prepared for an onslaught of land surveyors on April 25th. The Convention and Social Committee has all the preparations well in hand and we encourage everyone to come to Kananaskis for a great time.

I urge all members to attend the Regional Meetings and put your comments forward to assist with the development and ratification of the new manual.

The Standards Committee will be presenting a revised Manual of Good Practice. This document was long overdue for a rewrite and I commend the committee for a job well done. I urge all members to attend the Regional Meetings and put your comments forward to assist with the development and ratification of the new manual.

The Systematic Practice Review Program is proving to be very successful in terms of monitoring and educating our membership. It is important to remember that education is the cornerstone on which SPR is built. I would like to thank

See you there Pardner!
ASSOCIATION NOTES

New Member

#618 ANDERSON, Caroline F.

Caroline was born on June 7, 1960 in New Westminster, B.C. A graduate from Centennial Sr. Secondary in Coquitlam, B.C. in 1978 she went on to attend BCIT in 1984, graduating with a diploma in Survey Technology. Caroline is also a graduate of the U of C Surveying Engineering program.

Articles were served under E.J. Clark, A.L.S., D.L. Tronnes, A.L.S. and N.R. Woolgar, A.L.S. Commission as an Alberta Land Surveyor was received on January 19, 1996.

The topic of the technical report submitted as part of the qualifying examination was "The Torrens System Within the Alberta Land Titles Act".

Caroline's experience involves land development, subdivisions, condominiums, construction, control, and oilfield surveys.

She is a volunteer with the Calgary Humane Society and a member of the Calgary Sports Car Club. Hobbies include navigational and stage car rallies, dog training for obedience and agility, camping, and canoeing.

As I grow older....... Release me from craving to straighten out everybody else's affairs.

Using Aerial Photography in Natural Boundaries Determination

Fred Cheng, A.L.S of the Professional Development Committee coordinated and organized an excellent seminar entitled "Using Aerial Photography in Natural Boundaries Determination". This informative, full day seminar was presented on January 19, 1996 in Red Deer and consisted of six technical presentations, a panel of professionals, and sixty participants.

Participants were provided with an abstract for each of the following presentations:

**Introduction:**

**Some Legal Aspects of Water Boundaries:**
A. McEwen, LL.M., Ph.D., C.L.S.

**Survey of Natural Boundaries for Canada Lands**
G.E. Olsson, A.L.S., C.L.S.

**Issues Affecting Natural Boundary Determination and Ownership of Riparian Lands**
T. Allen, C.L.S., N.B.L.S. (np)

**Survey Plan Requirements When Dealing with Natural Boundaries:**
T. Grusie, C.S.T.

**Aerial Photography—Methodology in Natural Boundaries Determination**
J.F. Welter, A.L.S. (Ret.)

**Using Aerial Photography in Natural Boundaries Determination**

C. Dharampal, P.Eng., ARICS

The above noted informative technical presentations were followed by a spirited open forum moderated by R.A. Bassil, A.L.S. Panel members consisted of individuals from The University of Calgary's Department of Geomatics Engineering, Geomatics Canada, Alberta Public Lands (Carmen Jarrah), Alberta Registries, North West Geomatics Ltd., and The Ortho Shop.

The following topics were presented and discussed:

- Legal aspects of water boundaries—common law and statute law.
- Navigability, definition of the bed, high water mark, and bank of a body of water, title to accreted land.
- Standards for definition of natural boundaries for legal surveys of Canada Lands.
- Resolution of water boundary issues through the creation of a sort of "Boundary Resolution Board".
- Land Titles Office requirements when dealing with natural boundaries.
- GPS airborne techniques, integration of aerial photography, airborne control and aerial triangulation, accuracy and costs.
- Description of Surveys Act, Manual of Good Practice, and Canada Lands Survey Requirements.
- Accuracy of obtaining the Ordinary High Water Mark from different scales of photography.
- Requirement for field verification by commissioned land surveyors.

If you missed this highly informative, and well organized seminar, be sure to let the Alberta Land Surveyors' Association know of your interest in attending a future session.

**Bruce W. Guimard, A.L.S.**

Are You Attending?

**Regional Meetings**
- Edmonton—March 26, 1996
- Calgary—March 28, 1996

**April 25 - 27, 1996**
- ALSA Annual General Meeting
- Kananaskis Lodge

**April 15 - 19, 1996**
- 63rd FIG Permanent Committee Meeting & Symposium, "Developing the Profession in a Developing World"
- Buenos Aires, Argentine
- Contact: FAX 011 541 343 8423

**May 26 - 30, 1996**
- Geomatics 1996
- Ottawa Congress Centre
- Workshops: May 26 - 27
- Conference: May 28 - 30

**August 16, 1996**
- ALSA Annual Golf Tournament
- The Innisfail Golf Club
Surveyors on the Move

B.L. Benson, A.L.S. is now employed with Can-Am Surveys Ltd. in Calgary.

F. Cheng, A.L.S. has changed employment to Maltais Associates Surveys Ltd. in Calgary effective February 1, 1996.

Context Terrain Surveys Ltd. has relocated to 324 - 39 Avenue S.W., Calgary T2S 0W7; Phone 243-5557; Fax 243-8103.

J.W. MacLeod, A.L.S. is now employed with Crape Land Surveys.

M.D. Prevost, A.L.S. is now with Maltais Associates Surveys Ltd. at their Calgary office, which has relocated to #4, 2115 - 27 Avenue N.E. T2E 7E4; phone and fax numbers remain the same.

W.J. Mintz, A.L.S. has taken over the operation of Maltais Associates Surveys Ltd. in High Level. The new mailing address is Box 89, TH 120. Phone and fax numbers remain the same.

Misprints in last ALS News

Dwayne Westcott, A.L.S. — mailing address is #50, 3221 Range Road 223, Ardrossan, Alberta T8E 2K1

Waberski Darrow Little Ltd. — mailing address is 10720 - 100 Avenue, Fort St. John B.C. V1J 1Z3

Can We Survive The 21st Century?

With celebration arrangements well under way for the millennium, it may be an appropriate time for land surveyors to reflect on what may happen to their legislated scope of practice, that is, boundary locations. Our "exclusive scope of practice" may be compared to a surveyor and his total station on an iceberg floating south into warmer waters. Warmer waters will result in an ever shrinking base, with the ultimate result that we end up in the drink and the question is whether or not we can swim.

The issue of change is something that we can greet with foreboding, or as an opportunity, but change is inevitable. All levels of government are leaning toward deregulation and the legislation that shelters professional organizations is in very real jeopardy of being abolished. Is it reasonable to expect land surveyors to be exempt from what is threatening the engineering and medical professions as the government makes changes to scope of practice regulations? The NAFTA agreement is intended to remove the limitations of movement by the professional and clearly, the provincial, international, and state boundary restrictions are disappearing.

The membership of the Alberta Land Surveyors' Association appears to be on the decline rather than the increase; the graduates of universities tend not to look at Cadastral Surveying as an opportunity, especially when they consider the need for additional academic exams and a minimum article period. We must look to the possibility of boundaries being coordinate based, and with user friendly GPS, would self-determination boundaries be a reality? The possible privatization of the Land Registry, descriptive plans prepared by non-surveyors, the advent of title insurance to replace the requirement for Real Property Reports, the ever increasing demand on those who choose to serve the Association, the proliferation of organizations with overlapping mandates, such as FIG, CCLS, ACLS, and GIC, must all be considered.

The buzz word of the 90's is Geomatics. Maybe the land surveyor should look to the past and revisit the word "land" and align themselves with the group of stakeholders that maintain "land" as a common thread. We may have to accept the fact that we may ultimately be a part of a larger organization and look to opportunities as opposed to lamenting the demise of our limited scope of practice.

D.A. (AL) Jameson, A.L.S.
S.M. (STD) Loepky, A.L.S.

---

LIS/GIS Symposium and Trade Show — October 1997

Anyone interested in being involved in the committee assigned to the proposed LIS/GIS Symposium and Trade Show scheduled to take place in October of 1997, is asked to contact Barry Fleese, A.L.S., Chairman of the Public Relations Committee at 403/229-3131 or the ALSA office at 403/429-8805 (1-800-665-2572). The Symposium is slated to be a national and international forum for GIS/GPS applications and future technology.
Come to the AGM and participate in the following sessions..............

Test Drive the Internet

April 25, 1996 — 8:30 a.m.
presented by Mr. Fred Sawka

If you haven't been on the Internet yet, you may be setting yourself up for failure in the business world! Don't be left behind. Find out what the Internet is and what you can find on it during this entertaining three hour session. Your presenter is Fred Sawka, Manager of the Internet Training and Development Center at Grant MacEwan Community College. He will give you a close up look at the Internet.

Specifically you will learn:
- What the Internet and Super Highway really is.
- What the hype is all about (in other words, what can I do on the Internet?)
- What TCP/IP is.
- How to log on to the Internet.
- How Netscape has changed the face of the Internet.
- What it means to surf the net.
- What a home page and Internet address is.
- Understanding and using hypertext/hyperlinks.
- Using an Internet directory and Internet search engine.
- Fred will also show some interesting sites that will be of interest to your area of expertise.

Who should attend?
Anyone who didn't understand the above description!

Staking Our Future: Land Surveying in Transition

April 25, 1996 — 1:30 p.m.
presented by Mr. Jim Beaubien

We live in times of unprecedented change. The change is driven by a number of factors including:
- Technological advances (computers, software, telecommunications).
- The globalization of the economy.
- The emergence of free trade.
- Increasing competitiveness.
- Professional mobility requirements.
- Changes in employment patterns (organizational restructuring, downsizing).
- The aggressive pursuit of "right to practice" by other groups.
- Growing dissatisfaction with professions.
- Political challenges to self-regulation.

These changes are fundamentally and irreversibly altering the social, economic, and political context in which land surveyors practice, creating a profound challenge for the profession. It must adapt or risk becoming irrelevant.

This facilitated session will identify critical changes affecting the profession and identify strategies for staking out a secure future. Come prepared to explore regulatory structures, governance models, practice frameworks and relationships with competing groups. Help secure the future for the profession.
STANDING COMMITTEE REPORTS FOR 1995 - 1996

Convention and Social Committee
Chairman: B.L. Benson
Council Liaison: R.M. Wallace
Vice Chairman: L.C. Finner
Members:
B.A. Barnett, J.K. Boutilier, Jane Holmlund, D.N. Marquardt, A.L. Melton, C. Weaver
Exhibitor Liaison: G. Hartung

OVERVIEW OF 1995/96 ACTION STEPS

1. To identify and review all operational convention, Annual General Meeting and social programming policies and submit recommendations to Council for changes.

A yearly review will be completed following the AGM with any recommended changes being brought forward at that time.

2. To review the current programs to develop strategies.

With the hope of expanding the composition of attendees at the 1996 AGM, the committee has targeted interest groups including SAIT and NAIT, U of C, and the technical staff of land surveying companies. Notice has been sent to these groups inviting them to join us at our seminars, social functions, trade show, and to observe the business meetings.

3. To plan and execute the 1996 Annual General Meeting and Convention

Planning for the 1996 AGM began at the first meeting held on June 22, 1995 in Red Deer. Details have been finalized through a series of regular monthly meetings.

4. To plan the 1997 Convention and Annual General Meeting

The 1997 AGM will be held on April 17-19, 1997 at the Crown Plaza in Edmonton. Chad Finner will be the committee chairman and will be looking for some energetic people to serve on the committee.

5. To plan and execute the Annual Golf Tournament.

Due to a reluctance displayed by the Sylvan Lake Golf and Country Club to meet our needs, the committee decided to hold this popular annual event at a new location. The 1996 Golf Tournament will be held on August 16, 1996 at the Innisfail Golf Club. The Texas Scramble and Shot Gun Start format of last year’s event was successful and are planned again this year.

6. To prepare an Annual Operating Plan including a budget.

A budget has been prepared and is updated as necessary when costs are finalized. An increase from $50 to $75 in the member’s annual levy has alleviated the need for fund raising such as the sale of the “Supplement to the Manual of Instructions for the Survey of Canada Lands”.

7. To prepare an annual summary of committee activities.

The committee will prepare a summary of activities upon the completion of the 1996 AGM.

8. To prepare a yearly evaluation of the committee’s accomplishment of its terms of reference, recommending changes and amendments for the following year.

The evaluation will be included in the annual summary of activities prepared upon the completion of the 1996 AGM.

9. To work with the Professional Development Committee to coordinate the arrangements for an educational seminar(s) to be held in conjunction with the 1996 AGM.

The Professional Development Committee was made aware of this committee’s recommendations for seminars. With the Professional Development Committee’s endorsement, a topic was selected and the seminar planned.

10. To consider hosting a function for retired/resigned members.

After lengthy debate, it was decided that an appropriate first step would be to plan a Past President’s Breakfast in conjunction with the 1996 AGM.

11. Preparation for future AGMs, i.e. booking the next five years.

The committee has made the following bookings for the next four years.
1997—Edmonton—April 17-19
1998—Calgary—April 16-18
1999—Jasper—April 22-24

For the year 2000, the committee has booked the dates of April 13-15 at Jasper. The committee has determined that Jasper is the preferred site for Annual General Meetings and as such, it would be appropriate to hold the 2000 AGM at Jasper. This proposal will be brought forward for ratification at the 1996 AGM in Kananskis.

B.L. BENSON, A.L.S.
CHAIRMAN, CONVENTION AND SOCIAL COMMITTEE

Executive Committee
Chairman: J.H. Holmlund
Members: W.R. Dabbs, L.H. Pratt, D.R. Tomkinson

OVERVIEW OF 1995/96 ACTION STEPS

1. Following the intent, regulations and procedures of the Association’s Policy on policy making:
   — To review the Association’s framework and governing policies, evaluate their implementation and prepare recommendations to Council for changes or additions;
   — To review and recommend to the Council draft operational policies developed by the standing and statutory committees.
   — To review and revise the Personnel Manual

The Executive Committee, as part of an ongoing action step, reviews operational policies for the committees as well as personnel and undertook to update the Policy Manual at the outset of the new term.

2. To develop governing and operational policies and plan the Association’s advocacy program and recommend these to Council.

As assigned by Council, to undertake advocacy assignments on behalf of the Association.
In June 1995, the Executive Committee met with D. Gartner, EDM, Professional and Occupations Division of Alberta Labour respecting a discussion paper entitled Delegated Administrative Organization. The Association was asked for input on the draft discussion paper. The responses included the Association's concerns that a small organization like the ALSA would have a minor voice and might not even be represented on a Governing Board as described in the document. The Association had concerns respecting the funding of a DAO as well as potential problems in reconciling divergent philosophies of all the professions to be encompassed under a DAO. There has been no further action by the government on this particular concept since June 1995.

The Executive Committee undertook to establish more effective communication linkages between the Association, the liability insurance carriers, and the CCLS Insurance Committee. Through dialogue with the Chairman of the CCLS Liability Insurance Committee, Mr. Ken Allred, A.L.S. and Mr. Roger Brett of Jardine Rolfe, it is anticipated that concerns, new processes, etc. can be more easily communicated to the membership, thereby eliminating confusion and misunderstandings.

Mr. John Holmlund, President and Chair of the Executive Committee made a presentation to the Canadian Bar Association in December. His presentation included a history of the Association, future concerns regarding professions in general, as well as RPR's and Title Insurance.

On February 28, 1995 the President and Vice President met with Mr. Denis Herard, M.L.A. for Calgary-Egmont, who brought forward a private member's bill respecting the Limitations Act. This Act as drafted under Bill 205 is a complete rewrite and is expected to receive second reading, proceed to committee consultation, and on to third reading this session.

3. In consultation with the Discipline Committee and the Practice Review Board, explore the merits of adding a step to the discipline/education process in order to resolve complaints, where possible, without resorting to formal discipline proceedings, and to address members' reluctance to initiate complaints in some instances.

In consultation with the foregoing, a recommendation was made to Council respecting a change to be made to the Land Surveyors' Act when it is next opened up for comprehensive review.

4. Complete U of C Cadastral Chair Agreement.

Considerable meeting time and effort went into the completion of the U of C Cadastral Chair agreement with the four western provinces and the University of Calgary. This agreement will be in effect once the Cadastral Chair has been filled which is expected in July 1996. All of the Western provinces reached an agreement to support the Cadastral Chair at $50,000 per year.

5. To coordinate and supervise the work of the standing and statutory committees and evaluate their implementation of duties and assignments.

Through the bi-annual meetings of the Steering Committee, the activities and committee processes are monitored. Due to the magnitude of committee work and the number of meetings being held by committees, a streamlining of activities will be undertaken in the new term beginning May 1, 1996.


In concert with the Practice Review Board and the Systematic Practice Review Director, an evaluation process was created and has been implemented.

7. Develop policy for recommendations to Council regarding review of new surveying offices.

A policy was recommended to Council and is noted in the Practice Review Board Report (see page 32).

8. Schedule "think-tank" to develop future Association directions.

A "think tank" was scheduled for Council in September 1995 which proved to be a very enlightening and rewarding experience. As a result of this session, a subcommittee of Council has been created to wrestle with the vision of the ALSA for the years 2000 and beyond. This committee is chaired by Mr. Bill Dabbs and includes the following members: S.A. Fedio, J.H. Holmlund, D.A. Jamieson, S.M. Loepky, A.F. Martin, C.H. Weir.

9. To supervise, through the Council chairperson, the Executive Director's implementation of annual objectives.

One month prior to the election of the Council, the Executive Committee will conduct its annual performance assessment of the Executive Director.

Annual activity.

10. To cause to be developed and maintained, adequate communications and reporting systems between committees, administration and Council.

A cross-referencing mechanism was implemented to ensure cross communication is maintained between committees and Council.

11. To prepare an annual operating plan including a budget.

Annual activity.

12. To prepare a yearly evaluation of the committee's accomplishment of its terms of reference, recommending changes and amendments for the following year.

Annual activity.

13. To develop a job description for committee chairpersons.

Action step completed.

14. To consider the concept of adding a second vice-president position.

This matter was studied and a recommendation made to Council that a Second Vice President position was not necessary at this time.

J.H. HOLMLUND, A.L.S.
CHAIRMAN, EXECUTIVE COMMITTEE

As I grow older........ Teach me the glorious lesson that occasionally I may be mistaken.
Finance Committee
Chairman:
D.R. Tomkinson
Members:

OVERVIEW OF 1995/96 ACTION STEPS

1. To review Council’s existing operating financial policies and make recommendations as to any changes and additions.

The Finance Committee continuously reviews the operating policies of the Association regarding finances. Action taken this past year include:
— An increase in the cost of iron pins and marker posts.
— An interest charge on overdue accounts.
— Reimbursement of articling fees or retired member fees when full active membership fees are assessed for the same term.

2. To review budgeting, bookkeeping, expenditure control.

Financial Statements are circulated monthly to the committee and to Council. Adjustments are made as necessary.

3. To prepare an annual ALSA Budget.

The 1996/97 budget has been completed. Even with our forecast of poor post sales, we managed a balanced budget. We recommended to the Executive Committee a small increase in annual fees.

4. To prepare an annual Association financial report.

This will be completed after year end.

5. To prepare a Finance Committee report to the Annual General Meeting.

Our report will be submitted to the members prior to the Annual General Meeting.

6. To prepare a yearly evaluation of the committee’s accomplishment of its terms of reference, recommending changes and amendments for the following year.

7. To prepare a wage and salary survey.

This has been completed with results published in this issue of ALS News.

8. To develop a long range proposal regarding funding in the years 2005 - 2010.

This is an ongoing project currently being work on.

9. To evaluate ALSA insurance policies on an annual basis.

Legislation Committee
Chairman:
R.W. Leeman
Council Liaison:
S.C. Green
Members:
H.C. Engler, R.J. Fulton, N.R. Mattson, R.G. Michie, J.E. Sweeney
ASSMT: B. MacDormand

OVERVIEW OF 1995/96 ACTION STEPS

1. Review Council’s existing advocacy policies and make recommendations as to any changes or additions.

No action has been taken to date. Request direction from Council on how to proceed.

2. Continue work respecting Bylaw Amendments as per direction of 1995 AGM.

As per the direction from the 1995 AGM, the bylaw amendments have been reworked. Except for the revisions to the membership categories, the changes are primarily cosmetic in nature, consisting of a reordering and renumbering of sections which will result in a more concise set of bylaws with better order and form. The membership categories have been reworked somewhat from that proposed at last year’s AGM. In addition to the category of Alberta Land Surveyors, the following membership categories are proposed: Retired Member, Honorary Member, Associate Member, Affiliate Member. The categories of Retired, Associate and Affiliate Members are new. It is further proposed that the category of Honorary Life Member no longer be bestowed.

Two notices have been sent out to the general membership outlining the proposed membership category changes and soliciting feedback. The last notice, dated December 19, 1995 included the entire bylaws and the proposed amendments. The proposed bylaw amendments have been forwarded to Council with our recommendation that they be introduced for approval at the 1996 AGM.

3. Monitor any relevant external potential legislation by obtaining provincial government order papers, Hansard, etc.

Builders Lien Act—Information respecting proposed amendments to the Builders Lien Act was tabled at the October committee meeting. A memo was circulated to the general membership to determine if our members use the Act and if so, requested input into any changes they would propose. A good response to this memo was received. We have therefore, asked our solicitor for his opinion as to whether we in fact, have a right to register a Builders Lien under the current legislation. That opinion has been received and to summarize: "the Builders Lien Act will provide Alberta Land Surveyors with a lien claim for their work if and only if the services can be shown to be directly related to the construction or intended construction of an improvement." We are also checking on the current status of the proposed legislation and will advise Council in due course.

4. Continuing liaison to obtain information regarding survey related information from other provinces and professional groups such as CCLS, CIG, GIAC.

5. Bring forward suggestions/make recommendations in concert with other ALSA committees and Council with respect to an Expanded Profession.

The committee attempted to find a method of expanding the profession without amending the Land Surveyors’ Act. After considerable discussion, research of the legislation and
several tries at this endeavour it became apparent that it could not be accomplished without contravening the Act. It is the view of the Legislation Committee that if we are serious about expanding our profession, the only real alternative is to amend the Act.

This opinion was forwarded to Council in a letter dated October 18, 1995. In a response from Council, the Legislation Committee was directed "to put the Expanded Profession on hold until feedback is received from the Task Force on the vision of the profession."

6. Develop a discussion paper based on the review of the Land Surveyors Act. This would include the discipline process.

The committee's work in this area has only involved the discipline process. This review carried over from 1994/95 committee work and was conducted with the help of the Registrar, Mr. J.E. Rasmussen. After receiving input from both the Discipline Committee and the Practice Review Board, Mr. Rasmussen tabled a letter at the September Legislation Committee meeting stating "that very little action is required at this time." The one suggested change is a revision to the wording of Section 39(1)(a) of the Act as follows:

"Direct that no further action be taken if he/she is of the opinion that the complaint is frivolous or without basis or if proven, would not constitute either unskilled practice or surveying or unprofessional conduct, or..."

The result of this change is to broaden the reasons for not proceeding to hearing. A motion to Council recommending this change be made "at some time in the future at their (Council's) discretion" was made by the Legislation Committee at its September meeting.

In addition to the above, two motions were received by the Committee at its January meeting requesting the committee to "investigate a revision to the regulations that would allow a complainant to appeal a decision of the Discipline Committee" and to "investigate legislative requirements to open up discipline hearings to public viewing or participation". As a result of this direction from Council, letters have been forwarded to the B.C., Saskatchewan, Manitoba, and Ontario Land Surveyor's Associations as well as APEGGA and the Alberta Association of Architects, soliciting information on how their legislation deals with these matters. The initial view of the committee is that both of these matters would require changes to the Act and any such changes should be compiled and presented in concert with a comprehensive review of the Act. A report of the committee's findings as to the practices of other professional groups will be presented to Council in due course.


As a result of comments made by our Public Member, Mr. Ed Stelmac, M.L.A. wherein he indicated that this particular amendment to the Act was as a result of seven or eight years of fairly intense lobbying by municipalities to have it taken out of legislation and that he felt there would be a very remote chance of having it inserted back into the Municipal Government Act, the Legislation Committee sent a motion to Council recommending that this action step be removed from the 1995/96 Action Plan. Council subsequently did remove this action step however, passed an additional motion requesting the Legislation Committee "to review the possibility of amending the Land Surveyors Act to provide exemption for surveyors from purchasing business licences."

A memo was circulated to the general membership in August asking for feedback as to any negative impact that would come as a result of the lack of business licence exemption. Only three responses were received and it was decided to circulate the memo again in September. A few more responses were received, but overall, there does not seem to be a great deal of concern within the Association. The Executive Director was asked to discuss the matter with Public Member, Mr. Stelmac, after which he advised that he would discuss the matter with the Minister. We have not heard back from Mr. Stelmac but would expect to do so in due course. Again, the view of the committee would be to put this on the list of proposed changes to the Act which would be made in concert with a comprehensive review.


A subcommittee, chaired by Mr. R.J. Fulton, A.L.S., was established to formulate a response to the discussion paper entitled "The Condominium Property Act: Looking to the Future." The subcommittee met twice by teleconference. A final draft of the ALSA's recommended changes was submitted at the September committee meeting after which it was forwarded to Council with the recommendation that it be submitted to the Department of Municipal Affairs.

Alberta Municipal Affairs organized one last stakeholder's meeting to discuss the proposed amendments to the Condominium Property Act in November 1995. Mr. Fulton attended this meeting and prepared a report which was subsequently reprinted in ALS News. It is our understanding that the new legislation will be introduced in the spring sitting of the legislature.

9. To review current Metis legislation as it relates to Alberta land surveyors and report.

No action has been taken to date. We have requested direction from Council whether to proceed with this action step and in what fashion.

10. Prepare the Legislation Committee budget.

This has been done and has been forwarded to Council for approval.

11. Prepare the Legislation Committee report for the annual meeting.

12. Prepare a yearly evaluation of the committee's accomplishment of its terms of reference, recommending changes and amendments for the following year.

13. Liaise with the Public Member on Council (Ed Stelmac) on an ongoing basis.


Amendments to this legislation had been proposed and were at the second reading stage when the committee first met in June. It was subsequently hoisted
from the floor as it was considered that the proposed amendments were poorly drafted and not complete, i.e. some professions, including land surveyors, were left out. We were advised verbally in October that the legislation would be amended to include land surveyors. This Bill was not reintroduced for third reading during the fall session and eventually died on the order paper. However, we have recently received a draft copy of Bill 217, Limitations of Actions Act scheduled for introduction during the spring sitting of the Legislature. This draft Bill does not include reductions in time of exposure to litigation for any professional group including land surveyors. We are currently contacting APEGGA for input as to their response, if any, to this new proposed legislation. We have also asked our solicitor for his opinion as to our exposure under the proposed legislation.

OTHER MATTERS

Regulatory Reform—A letter from the Director of Surveys, Mr. Dick Bassil was tabled at the October Legislation Committee meeting advising the ALSA that the Code of Ethics Regulation pursuant to the Land Surveyors Act was a potential candidate for repeal. Current government policy provides that codes of ethics shall be included in each profession’s bylaws and not in regulations. The committee was advised that Mr. Bassil would provide text for their consideration as a bylaw. However, it has since been determined that under our Act we have no power to enact bylaws dealing with codes of ethics. The committee is waiting for some direction from the Director of Surveys on this matter and will advise Council in due course.

CAD Generated Signature—It has come to the attention of the committee that some members may be using CAD generated signatures on their plans. We have asked our solicitor for an opinion of the legality of this practice.

R.W. LEMAN, A.L.S.
CHAIRMAN, LEGISLATION COMMITTEE

Professional Development Committee

Chairman:
D.B. Neufeld
Vice Chairman:
S.T. Yanish
Council Liaison:
B.G. Fleece

Members:
F. Cheng, R.O. Hall,
R.E. Hicks, T.H. Holt,
R.K. Jones, V.A. Ziegler
NAIT: K.F. Berg
ASSMT: R. Gulewicz

OVERVIEW OF 1995/96 ACTION STEPS

1. Develop operational educational policies and make recommendations to Council.

No educational policies are being developed at this time. One recommendation to Council is being derived which is covered under Action Step #6.

2. Review educational needs of all identified groups through review of Association education surveys, discussions with other committees, professional groups, and education providers.

An ongoing review of educational needs has in part, been accomplished through the Professional Development Program questionnaire recently circulated to all members. Although this questionnaire was derived as per the 1995 AGM motion (i.e. Action Step #6), suggestions were noted and will be used to formulate future courses/seminars. Other informal suggestions from members and formal suggestions from other ALSA committees have also been reviewed with items being put on the tentative 1996/97 Action Plan. Contact with various educational providers including NAIT and the U of C has been ongoing.

3. Circulate current educational programs for all identified groups, including: NAIT & SAIT, U of C, CIG, CCLS, ASSMT.

Ongoing circulation of educational programs has been accomplished through ALS News or by various mailouts.

4. Develop a plan of educational programming that meets the needs of various groups.

(a) Coordinate the development and delivery of the following courses:

Office Procedures

This item is incomplete at this time due to scheduling conflicts with presenters and additional development required. Tentative date is May 1996.

Using Aerial Photography in Natural Boundaries Determination

This item was completed with a one day presentation on January 19, 1996 in Red Deer. Presenters included Dr. Alec McEwen, University of Calgary; Gordon Olsson, Geomatics Canada; Ted Allen; Tim Grusic, Land Titles Office; Fred Welter, North West Geomatics Inc.; Jerry Rasmussen; and C. Daramdial, The Ortho Shop.

Planning Course for Surveyors

Item is postponed as this may be accomplished through regional meetings.

Land Development on First Nations Lands

Item postponed; not considered a high priority.

Panel Discussion Program for one Regional Meeting

Item postponed; not considered a high priority.

Land Survey Legislation and Plan Exam Seminar (Getting It Right)

Edmonton seminar completed November 24 and 25, 1995; Calgary seminar completed February 23 and 24, 1996. Presenters included Dick Bassil and Ron Cote, Director of Surveys Office; Al Nelson, Director of Practice Review; Tim Grusic, Land Titles Office.

(b) Coordinate and deliver exam preparation sessions for articulated students.

Session I in Red Deer was completed on December 2, 1995. Session II is scheduled to take place before the end of March 1996. Presenters included Stephen Green, David Marquardt, Gary Ross, Doug Krempeien, and Tom Holt.

5. Evaluate courses delivered.

- Update evaluation form
- Update checklist

Item is complete. A review of the Participant’s Evaluation Form on courses attended was undertaken and
subsequently modified for clarity and brevity. A cursory review of the Pre-Course Checklist was also completed in order for course organizers to ensure all is in order prior to the actual presentation of the course. The form and checklist are currently in use.

6. Prepare Terms of Reference and Action Plan Re Professional Development Program as per AGM motion.

An introduction to professional development and a questionnaire was circulated to all members in December 1995. The results were compiled which assisted in deriving a recommendation on a Professional Development Program. This recommendation will be presented to Council in late February and then at the 1996 Annual General Meeting in Kananaskis.

7. Investigate NAIT and SAIT educational modules.

Item is complete. The concept of educational modules has been investigated. The findings indicate that the development of a course profile would be beneficial and has been listed as a tentative item in the Professional Development Committee’s 1996/97 Action Plan.

8. Prepare an annual operating plan including a budget.

Item is complete. Annual operation budget was reviewed and completed at the January 9, 1996 Professional Development Committee meeting.

9. Prepare a Professional Development Committee report for the Annual General Meeting.

Will be completed by year end.

10. Prepare a yearly evaluation of the committee’s accomplishment of its terms of reference, recommending changes and amendments for the following year.

Will be completed by year end.

11. Liaise with the Convention and Social Committee re Annual General Meeting Seminars.

Item is complete.

D.B. NEUFELD, A.L.S.
CHAIRMAN, PROFESSIONAL DEVELOPMENT COMMITTEE

Public Relations Committee

Chairman:
D. R. Jaques

Council Liaison:
T. G. Martin

Members:
B. G. Fleece, M. R. Grosz,
R. L. Haagsma, W. J. Mintz,
P. J. Sullivan

ASSM: G. Vermeulen

As we move forward into Phase III of the Strategic Plan, we can proudly look back on the accomplishments we have achieved. The Public Relations Committee’s achievements over the past four years has truly made an impact to help bring our Association into the 21st century.

Over the past year the Public Relations Committee had a fairly heavy workload resulting in monthly meetings being held. Those meetings have resulted in the following achievements:

- We have now completed the Real Estate Training Course for Realtors and have trained course facilitators. The first course is tentatively scheduled for March 1996. The development of this course was aided by a grant from the Alberta Real Estate Association in the amount of $20,000.
- The Real Property Report brochure has been updated and Rose Country Communications will shortly be printing the updated version.
- Design is complete on the Oil and Gas Brochure. To date, Rose Country Communications has received approximately a 50% response from the oil and gas companies contacted. They expect the remaining responses by the beginning of March at which time the final draft of the brochure will be presented to Council for their approval. The reaction from the oil and gas companies so far has been very favourable with only one negative response.
- The Real Property Report (Title Insurance) Subcommittee has been focusing on the impact of title insurance and the effect it would have on the Alberta Land Surveyors’ Association. This committee is working closely with CCLS and AOLS on this item. Thank you to this subcommittee for their valued input regarding the RPR Brochure update.
- The Association has participated in career days in most major centers throughout the province. Career days are an excellent method of reaching students considering a career in Geomatics. Thank you to those members who volunteered.
- Thank you to members who participated either as a presenter or manned booths at conferences of the CPA, AUMA, AAMD&C, and DOA.
- The Subdivision Guide was put on hold pending the finalization of the Municipal Government Act and the Regulations thereunder. Rose Country Communications has been working on same and we expect a draft of the guide ready for the Annual General Meeting in April.
- An article was published in "Law Now" for distribution to members of the Law Society. Feedback was very positive.
- Seventeen Alberta Land Surveyors attended a meeting with the City of Calgary Planning Department to discuss the new Municipal Government Act and Regulations thereunder and miscellaneous items of common interest. Meetings with other municipal planning departments are being looked into or being held.
- A presentation to the Mortgage Loans Association was made by S.M. Loepky, A.L.S.
- Three regional meetings have been set up in each of Calgary and Edmonton. The two already held were well attended.
- Lecturers have been arranged for U of C Geomatics, NAIT and SAIT.
- Career brochures and posters have been mailed to all high schools in the Province.
- Presentations have been made to the Canadian Bar Association in both Calgary and Edmonton. Thanks to members who volunteered their services.
- The 1996/97 budget has been prepared and presented to Council.
Responses received from the oil and gas companies surveyed by Rose Country Communications indicated there could be a need for a brochure on rights-of-way and easements. This item has been added to our Action Plan for 1996/97.

Plans for a "world class" LIS/GIS Conference and Symposium in Calgary in October 1997 are now starting to get underway. There has been a subcommittee appointed to handle this major undertaking. If we are successful in this venture, it will be a "Feather in the Cap" of the Association and could turn out to be a future source of revenue.

The majority of the Action Items for the Public Relations Committee are ongoing and will be carried over to the 1996/97 Action Plan.

In closing, on behalf of all the members of the Public Relations Committee, I would like to express a thank you to Mr. Brian Stecky of Rose Country Communications Ltd. For his assistance. A very special thank you goes out to our Executive Director, Brenwyn Cooley, and her office staff, without whose assistance we would have had an extremely difficult time.

D.R. JAQUES, A.L.S.
CHAIRMAN, PUBLIC RELATIONS COMMITTEE

OVERVIEW OF 1995/96 ACTION STEPS

1. Investigation of Standardization of Wellsite/Disposition Boundary Monumentation

This item was delegated to the Resource Industry Liaison Subcommittee to discuss and make recommendations. This matter was reviewed with the resulting recommendation that it be left as it is. The whole committee will be considering this decision and making a recommendation to Council.

2. Continue to liaise with the Director of Surveys and LTO in pursuit of a satisfactory resolution to the problem of dormant plans.

This item has been on the agenda for the past three years. Last year a questionnaire was circulated in order to quantify the problem. Current standards address plans of our era however, historic plans, circa 1930, are another matter. They have been discussed jointly by the ALSA/LSB/LTO Committee and to date, a solution has not been achieved. This item will be carried forward to 1996/97.

3. Agency Liaison
   - ALSA/LTO/DOS Joint Committee

A meeting was held in September 1995. Items discussed included dormant plans well traverse plan repository, descriptive plans, plan rejections, NAD Transition Plan, rigorous survey accuracy standards, electronic lodgement of plans, and an update on department restructuring. It was decided that commencing in 1996, the ALSA would host the meeting rather than LSB. The next meeting is scheduled for August/September 1996.

A joint meeting between the ALSA and AEP was not held. Liaison activities were handled through the Resource Industry Liaison Committee in conjunction with AEUB, CAPP, and AFPA. Technical Services has proposed standards for public land dispositions and circulated them to members of the group. The committee reviewed drafts 1 and 2 and responded accordingly.

- Geomatics Canada (aka EMR)

A meeting was held in February 1996 at the office of Geomatics Canada. Matters discussed included standardization of wellsite monumentation, digital plans, standards, and general plan quality. Geomatics Canada prefers a set standard for monuments over a recommended monument.

- Alberta Transportation

A meeting was held in January 1996 between the Chairman and L. Grudecki, A.L.S. There were no significant concerns of the department. Mr. Grudecki indicated that Property Services may disappear as a result of government downsizing.

- City of Edmonton

This item was discussed and recommended to be transferred to the Public Relations Committee.

4. Electronic Lodgement of Plans
   - Accuracy and Digital Data Standards

This item was designated as a low priority item and will be carried forward to 1996/97.

5. Investigate Need for Rigorous Survey Accuracy Standards
   - Subcommittee on Vertical and Horizontal Control Specifications
   - ICSM Vertical Control Committee/One Window Vertical Access
   - Deformation Surveys

No work was performed on this item. The committee considers this matter to be a high priority however significant ground work is required before a recommendation is made. This item will be carried forward to 1996/97.

6. On-going Monitoring of Standards for Iron Posts
   - Testing
   - Specifications

Testing of two higher strength iron
posts was carried out during the term. The committee is considering the report submitted and a recommendation will be ready for the Annual General Meeting.

7. Review and recommend on rewriting Part A of the Manual of Good Practice as directed by Motion #2 passed by the 1994 AGM.

This action item accounted for the majority of time and expense for the Standards Committee and was the highest priority for the 1995/96 term. The rationale for this item was to review the Manual of Good Practice to make it concise, better organized, easier to use, and remove conflicts and duplication. A small subcommittee consisting of I.C. Maltais, G.E. Olsson and D. Wiberg was formed to devise a new format which was subsequently circulated to the membership in September 1995. The comments received were positive in nature. Once a format was established, each section of the current manual was delegated to a two member team to review and reorganize. The criteria for this task was established as follows:

- Each section must include an introduction.
- Decide if section is in best interest of the public.
- Decide if section is a specific standard, a guideline, or an information item.
- Decide if section contradicts or duplicates other sections.
- Decide if section contradicts the Surveys Act or regulations.

The committee requested Council to approve extraordinary funds to retain a technical writer to perform the task of reorganizing the manual and recommend rewording to make the text more clear and concise. Three iterations of the draft new manual were reviewed by the whole committee to ensure the intent remained and to fine tune the overall document. The final draft is scheduled to be circulated to the general membership in March 1996.

8. Riparian Boundaries

A recommendation was submitted to Council to have the Professional Development Committee present a seminar on the topic. The committee's opinion is that standards are in place and that a seminar should address the concerns raised by the liaison meetings. This item is complete.

9. Spiral Curves
   — Replacement Tables

This item has been tabled pending a technical report by an articulated student. The existing schedule in the manual is sufficient for the time being. This item will be referred to the 1996/97 Standards Committee.

10. Wellsite Traverse Plan Affidavit

This item was delegated to the Resource Industry Liaison Committee. A revised affidavit is being recommended as part of the manual rewrite.

11. GPS Standards

A GPS Subcommittee was struck with the mandate to develop standards. The committee is chaired by Bernie Jess, A.L.S. and is composed of members who are knowledgeable about the subject. The subcommittee has determined that specifications are not the answer and have an initial draft which is more standards oriented. It is anticipated that a final recommendation will be ready for the Annual General Meeting.

12. Ties to Unregistered Plans of Survey

This item has been discussed by the committee and a recommendation will be made to Council.

13. LOC Plans - continue liaison with Public Lands.

This item was delegated to the Resource Industry Liaison Committee. It was decided that the Chairman, Hugh Impey, would respond only from a standards of survey position and avoid any conception of self-interest by the Association. To date, Technical Services has circulated drafts 1 and 2 to the ALSA, AEUB, CAPP and AFPA. It is expected that this matter may be completed this term.

14. Review need for right-of-way plans to be intersected.

This has been discussed on a preliminary basis and will not be completed this term. This item will be referred to the 1996/97 Standards Committee.

15. Prepare:

   (a) Standards Committee Report for Council at year end.
   (b) Recommendations for AGM for Council approval.

Ongoing.

16. To prepare an annual operating plan including a budget.

Ongoing.

17. Prepare a yearly evaluation.

Ongoing.

18. Monumenting Irregular Width Right-of-Ways

This item has been discussed for the last three years. The Land Titles Office has some major concerns that if the use of descriptive plans is opened up, it could quickly get out of control. The present staff at Land Titles do not have the resources to monitor these plans. A recommendation will be forthcoming on the matter.

D.A. WIBERG, A.L.S.
CHAIRMAN, STANDARDS COMMITTEE

---

Real Property Report Brochures

available to
Alberta Land Surveyors
first 100 copies are
free of charge;
subsequent copies are
$0.15 ea.

available to
other agencies for $0.20 ea.

Please contact:
Alberta Land Surveyors' Association
2501, 10004 - 104 Avenue
Edmonton, Alberta T5J 0K1
Tel: 429-8805 or
1-800-665-2572
Fax: 429-3374
Discipline Committee

Chairman:
L.H. Pratt

Vice Chairman:
G.K. Allred, H.E. Impey,
S.M. Loeppky, I.C. Maltais,
G.E. Olsson

Members:
P.N. Ellegood, H.C. Engler,
W.E. Fawcett, W. Halma,
L. Leiman, B.A. Murray,
J.K. Smith, P.C. Stoliker,
D.L. Tronnes

OVERVIEW OF 1995/96 ACTION STEPS

1. To fulfill the committee’s responsibility under the Act.

Seven complaints or referrals were received during the year. As of March 1, 1996, three hearings have been held, two hearings are scheduled to be held, one preliminary investigation resulted in a conclusion that no further action be taken, and one preliminary investigation is currently underway.

2. To review all current discipline policies and submit recommendations to Council for changes and additions, if required.

Acting on the advice of the ALSA solicitor, formal notice of all hearings will henceforth be sent to all members of the Discipline Committee. Under the Discipline Regulation, Section 2, a quorum of the committee is three of its members; one of whom shall be the Chairman or a Vice Chairman. However, the Act does not speak of a quorum as in several sections of the Act "the Discipline Committee shall," or "the Discipline Committee may" appears. In order to not risk losing jurisdiction, this formal notice will be sent in all instances. As a matter of practice, the Chairman of the Discipline Committee, or someone authorized on his behalf, will continue to confirm the availability of a quorum of the Discipline Committee before the formal notice is sent. Committee members are also advised that any member of the Discipline Committee is entitled to sit on any matter, unless the member has foreknowledge of the matter, or an interest that may cause the member to prejudice the matter or be subject to an allegation that there is a reasonable apprehension of bias.

3. To develop and maintain an adequate educational program for committee members.

Every two years, the ALSA solicitor conducts a seminar on Administrative Law for the benefit of the Discipline Committee, the Registration Committee, the Practice Review Board, and members of Council. This orientation seminar was last conducted in 1994, so in 1996 it is time to put on another "Green Book" seminar. In November 1994, most of the committee attended a half day seminar on Professional Disciplinary Hearings put on in conjunction with the publication of a book titled The Regulation of Professions in Canada. This book is now available in the ALSA library, and is a source of information on the subject.

4. To develop eligibility criteria for membership on the Discipline Committee.

At the Council meeting of February 27, 1996 Council will entertain a motion that a membership selection committee be established to establish eligibility criteria for use in selecting members for the statutory committees.

5. To prepare an annual operating plan including a budget.

Done in February 1996.

6. To prepare a report to the Annual General Meeting.

This report constitutes the Committee’s annual report.

7. To prepare a yearly evaluation of the committee’s accomplishment of its terms of reference, recommending changes and amendments for the following year.

Several items have been identified and recommendations have been made during the term. On October 26, 1995 a special meeting was held between the Practice Review Board, represented by Chairman Dave McWilliam, the Discipline Committee represented by Chairman Lyall Pratt, the Registrar, Jerry Rasmussen, the Association Solicitor, Bill Shores, and the Director of Systematic Practice Review, Al Nelson. Also present as observers were President John Holm Lund, Vice President Bill Dabbs, and Executive Director, Brenwyn Cooley. Four major points were identified as requiring action:

1. Referral process from practice review to discipline (hearing continuation process) may require some thought.

2. Notice of hearing should be sent to all Discipline Committee members, not just the confirmed quorum. (As mentioned earlier, this is now being done for all hearings.)

3. Revise the legislation (probably the Land Surveyors Act) to allow a complainant the right to appeal a decision of the Discipline Committee. Currently, a complainant can appeal a decision of the Chairman to the Discipline Committee under Section 41 of the Act, but cannot appeal the decision of the Discipline Committee. Under Section 56, the investigated person can appeal the committee’s decision to Council, so it seems proper in the judicial sense that both sides should have equal access to appeal.

4. Open up Discipline Committee hearings to the public. Our profession is one of the few remaining in Alberta that does not have a public member on the Discipline Committee or holds public hearings. It is the perception of openness that would be achieved by public hearings. In actual practice, very seldom does any member of the public sit in on disciplinary hearings. More and more professions are regarded as monopolies and their disciplinary hearings as closed door sessions aimed at protecting members not the public at large. Open hearings could end this perception, particularly in cases where a land surveyor is found guilty.

On September 26, 1995 Council passed the following motion:

95.09.64 That the following change to Section 39(1)(a) be considered for implementation at sometime in the future, at the discretion of Council.

"Direct that no further action be taken
if he/she is of the opinion that the complaint is frivolous or without basis or if proven, would not constitute either unskilled practice of surveying or unprofessional conduct or..."

On November 28, 1995 Council passed the following motions:

95.11.114 That the Legislation Committee investigate a revision to the regulations that would allow a complainant to appeal a decision of the Discipline Committee.

95.11.115 That the Legislation Committee be requested to investigate the legislative requirements to open up Discipline hearings to public viewing or participation.

L.H. Pratt, A.L.S.
CHAIRMAN, DISCIPLINE COMMITTEE

Nominating Committee

Chairman:
L.H. Pratt

Members:
H.E. Impey, R.F. Baker

Nominations

The following slate of nominations has been received by the Registrar of the Alberta Land Surveyors' Association pursuant to Section 45 of the Bylaws of the Alberta Land Surveyors' Association.

For President
W.R. (Bill) Dabbs, Calgary

For Vice President
S.J. (Stan) Longson, Edmonton

For Secretary Treasurer
D.R. (Dennis) Tomkinson, Edmonton

For Council
K.B. (Ken) Drake, Grand Centre
M.R. (Michael) Grosz, Calgary
R.L. (Bob) Haagsma, Rocky Mountain House
A.R. (Albert) Rachynski, St. Paul
P.D. (Paul) Westersund, Calgary
M.H. (Murray) Young, Red Deer

Additional nominations may also be made pursuant to Section 48 of the ALSA Bylaws at the Annual General Meeting of the ALSA which will be held on April 26th and 27th, 1996 at The Lodge at Kananaskis. Additional nominations may be made by any two Alberta Land Surveyors with the consent of the nominee on the floor of the Annual General Meeting during the time allotted for the election of officers.

The following offices are to be filled:

President — one year term
Vice President — one year term
Three Members of Council — two year terms
Secretary Treasurer — two year term

L.H. Pratt, A.L.S.
CHAIRMAN, NOMINATING COMMITTEE

For President

W.R. (Bill) Dabbs
A.L.S., S.L.S., C.L.S., P.ENG.

- Born in Castor, Alberta in 1935.
- Graduated from Castor High in 1953.
- Attended the University of Alberta and the University of New Brunswick, graduating with a B.Sc. in Surveying Engineering in 1963.
- Received A.L.S. commission in 1962.
- Served on Council (1966-68 and 1989-91).
- Served on various ALSA committees (1966-72).
- Served as Secretary Treasurer of the ALSA (1992-1995).
- Served as Vice President of the ALSA (1995-1996).
- President of All-West Surveys Ltd. in Calgary.

For Vice President

S.J. (Stan) Longson, A.L.S.

- Born in High River, Alberta.
- Grew up south of Longview, Alberta.
- Graduated from Cayley School in 1967.
- Received Diploma from the SAIT Survey Technology Program in 1969.
- Received commission as an ALS in 1974.
- Worked on various ALSA committees from (1974-1994).
- Council member from 1980 to 1981.
- Member of the Practice Review Board from (1991-1994).
- President of Walker Consulting Group Ltd., a multi-disciplined firm serving the land development industry.
- Hobbies include weight lifting, collecting and smoking fine cigars, very amateur woodworking.
- Married to Fay, two adult children, Allison and Sam; one cat (Clouseau).
For Secretary Treasurer
D.R. (Dennis) Tomkinson, A.L.S.
- Attended Evansburg High School.
- Graduated from NAIT Survey Technology in 1975.
- Articled to H. Engler, A.L.S. and D.N. Tomkinson, A.L.S.
- Received A.L.S. commission in 1978.
- Served as Chairman of the Finance Committee (1995-1996).
- Active member of Sherwood Park Alliance Church.
- Coach, Sherwood Park Soccer Association.
- Past President and Coach, Sherwood Park Softball Association.
- Hobbies include curling, softball, and the cottage at the lake.
- Employed by Can-Am Surveys Ltd. in Edmonton, 1977 to present.

For Council
K.B. (Ken) Drake, A.L.S.
- Born in Bonnyville, Alberta on September 1, 1945.
- Graduated from Grand Centre High School in 1964.
- Graduated from the Northern Alberta Institute of Technology in 1968.
- Articled to L.W. Breton, A.L.S.
- Received A.L.S. commission in June 1977.
- Served two terms on Council for the Town of Grand Centre.
- Interests include skeet shooting, hunting, fishing, and playing the guitar.
- Married to Charlotte; two sons (Bruce and Sean) and one granddaughter (Caitlyn).

M.R. (Michael) Grosz, A.L.S.
- Born in Toronto, Ontario in 1954.
- Attended Algonquin college in Ottawa.
- Graduated from the Survey Technology Programme (honors distinction) in 1979.
- Received A.L.S. commission in 1985.
- Currently on Public Relations Committee.
- Presently employed by UMA Engineering as Calgary Manager, UMA Geomatics.
- Married to Kim; two children—Jennifer (12) and Claren (2).

R.L. (Bob) Haagsma, A.L.S.
- Born in Barrhead, Alberta in 1953.
- Graduated from Crescent Heights High School in 1971.
- Graduated from SAIT (Survey Technology) in 1974.
- Received A.L.S. commission in June 1978.
- Employed by Snell & Oslund Surveys as Rocky Mountain House Area Manager (1990-present).
- Served on several ALSA committees. Currently a member of the Public Relations Committee and the RPR Course Subcommittee.
- Current and past member of many community organizations including Kinsmen (Club, Zone, and District offices), K40’s, Chamber of Commerce, Big Brothers, Alberta & Canadian Morgan.
- Hobbies are hunting, packing, rodeos & skiing.
- Married to Diane.
- Two children—Tristan (22) and Kim (19).

Winners feel responsible for more than their job; Losers say, "I only work here".
A.R. (Albert) Rachynski, A.L.S.
- Born at Glendon, Alberta on February 14, 1951.
- Graduated from Glendon High School in 1969.
- Began survey career in 1970.
- Married to Jeannine; one daughter and three stepchildren.

P.D. (Paul Westersund), A.L.S.
- Born at High River, Alberta in 1952.
- Completed High School in High River in 1971.
- Received A.L.S. commission in 1983.
- Served on Convention Committee (1993-1995); Chairman in 1994.
- Married to Diana; two children.

M.H. (Murray) Young, A.L.S.
- Born in Lacombe, Alberta on November 23, 1952.
- Graduated from Lacombe Composite High School in 1969.
- Received A.L.S. Commission in 1977.
- Served on Standards Committee and Convention Committee.
- President of Bemoco Land Surveying Ltd.
- Member of the Red Deer Minor Baseball Association and active coach.
- Married to Karen, two children—Jennifer and John.

Practice Review Board
Chairman:
D.R. McWilliam
Vice Chairman:
W.L. Edgerton
Members:
R.H. Beaumont, J. G. Halliday,
D.J. Lunty, M. L. Sexauer,
D.N. Tomkinson
Public Member:
L.A. Kluthe

The Practice Review Board sat for more than 80 hours in 12 meetings from May 1, 1995 to February 28, 1996. Total preparation and meeting participation time is more accurately expressed as 1,500 man hours in the ten months of this reporting period. The Board’s activities for the period are summarized as follows:

1. Real Property Reports
Following the establishment of the RPR Task Force, the Board recommended to Council in June 1995 that further investigation of the feasibility of setting up a Real Property Report Repository/Index (as directed by the 1994 AGM) be referred to this new group and that the expertise and energy of the Board’s RPR Subcommittee be utilized by involving its members in the new RPR Task Force.

2. Wellsite Standards
Extensive work being undertaken on this topic by a subcommittee of the Standards Committee led the Practice Review Board to recommend to Council in June 1995 that the research and findings of the PRB Subcommittee on Wellsites be referred to the Standards subgroup, again with the encouragement for the continued involvement of members of the PRB subcommittee.

3. Review of New Surveying Offices
The Practice Review Board was directed by Council to propose some way of monitoring new land surveying practices and branch offices within 12 months of their establishment—along the lines of the internal audit conducted under the Systematic Practice Review process. In this respect, the Board recommended to Council:
(i) that a Business Management Program be designed by the Profes-
sional Development Committee, comprising a compilation of applicable programs to serve as a resource for members;
(ii) that, where Council identifies concerns about a new office, it direct the PRB to review such office within a specified time frame and specify the depth of the review required;
(iii) that specific reviews of new surveying offices be conducted separate and apart from the Systematic Practice Review program;
(iv) that the Legislation Committee investigate and recommend changes to legislation to permit interim or conditional permits.

4. Field Notes/Plans of Deceased/Retired Practitioners
Pursuing a directive from Council, the Practice Review Board prepared a proposal for collecting and indexing information on the location of field notes of present and former practitioners. The Board recommended to Council that this index be integrated into the ALSA database and proposed a format design to facilitate integration and retrieval.

5. Guardpost Articles
Guardpost Articles dealing with business practices, field notes, and professionalism were prepared by PRB members Bill Edgerton, Jim Halliday and Marlin Sexauer for publication in ALS News in September 1995, December 1995 and March 1996, respectively.

6. PRB Interpretations
The Board grappled with a directive from Council in May 1995 that "any interpretation of legislation made by the Practice Review Board be published in ALS News" and met with President John Holmlund in September for clarification of Council's intent. As a guideline, Mr. Holmlund proposed that if the Board arrives at an interpretation of an issue it believes to be important, such interpretation should be communicated to the membership as part of the educational mandate of the Board and to provide an avenue for feedback from members. The Board decided to publish its interpretations independently of ALS News, in a format which it hopes will be readily recognizable and might eventually form a retainable collection for the membership at large.

The first "PRB Interpretation" was published in November 1995 and addressed the position of the north quarter section on a blind line. Other interpretations will be published from time to time as circumstances dictate. The main purpose of the PRB Interpretation Bulletins is to inform the membership of what the Board will use as a benchmark in conducting Systematic Practice Reviews and to present the rationale for the Board's decision.

7. Reduction of Plan Rejections
The PRB Chairman met separately with representatives of the Edmonton and Calgary Land Titles Offices to consider ways of reducing the incidence of plan rejections. The Edmonton Land Titles Office suggested that the Alberta Land Surveyor who signs a plan may not be the person who responds to the reasons for rejection at Land Titles and pointed out that it is critical that this ALS dictate the solutions and be aware of the changes being made to his product. Arising from these discussions, and with the assistance of the Board, the Land Titles Office instituted a policy effective January 1, 1996, requiring the ALS' signature on the returned rejection slip. A notice of this change was sent to the membership from the Practice Review Board.

8. Fireside Chats
During the year, the Board decided to dispense with the "fireside chat" approach previously utilized in meetings with practitioners. As well, the Board has recommended that the New Member Fireside Chats be discontinued as there was considerable overlap with the interviews conducted by the Registration Committee.

9. Roles of and Interaction With Other ALSA Bodies
In his meeting with the Board in September, the President suggested that an annual joint meeting of the chairmen and vice chairmen of PRB and the Discipline Committee, the Registrar, the Executive Committee, the ALSA solicitor and the Director of Practice Review might clarify the roles of the various parties and their relationships to each other. The Board proposed that the legislation is clear and the relationship of the Board to the Registrar, Council and the Discipline Committee is relatively clear, and suggested that any meeting should focus on the processes.

The proposed joint meeting was held on October 26, 1995 and proved to be very informative. It was decided that this gathering will take place on an annual basis. Some of the items discussed were:
(i) the individual roles and the problems encountered in carrying out these roles;
(ii) the possibility of implementing open hearings of both the Discipline Committee and Practice Review Board;
(iii) a study of the referral process for complaints to the Discipline Committee;
(iv) the right of appeal of complainants.

10. Practice Review—General
One general practice review, ongoing since 1993, continued in this reporting period. This was an item of significant discussion at two regular meetings, a special meeting on June 23 dealt with this issue, and a five hour session with the practitioner during the regular July 12th Board meeting concluded in referral to the Discipline Committee. The Discipline Committee heard the case in November 1995 and the decision has since been appealed by the practitioner.

11. Systematic Practice Review
The Board considered 25 Systematic Practice Review reports from June 1 to February 29, 1996, of which 18 were deemed to be completed. In addition, 6 follow up reports were considered, of which 5 were concluded. After a very frustrating and lengthy attempt to work with the practitioner to resolve the problems encountered, one Systematic Practice Review was referred to the Discipline Committee.

Two practitioners attended, at their own request, when their SPR reports were presented to the Board. This proved to be a very positive experience for one practitioner; the other surveyor asked and did meet again with the Board to discuss some unresolved issues.
At the request of the Board, three practitioners attended Board meetings to answer questions and provide information with respect to their SPR report – one of these was accompanied by his solicitor.

12. Conclusion
As you will see from the report of the Director of Practice Review, found elsewhere in this issue of ALS News, the SPR program is well underway and gaining momentum. Seventy-five percent of practices are found to be acceptable after the initial review; an additional significant number of practices are acceptable after follow-up review. This indicates to me not only that the majority of practitioners operate appropriately but, after weaknesses are found in a practice, that a further group reacts decisively and promptly to bring their practice up to, and sometimes even above standard.

In conclusion, I would like to make a number of observations:
(i) It appears that practitioners are finding some ambiguities within our legislation which need to be addressed, and which may be addressed in part in the current rewrite of the Manual of Good Practice.
(ii) The Board is achieving its educational mandate, as illustrated by positive results and reactions to the SPR program.
(iii) Our SPR program is envied nation-wide by our peers.
(iv) The program represents large part of the fulfilment of our professional obligation to protect the interests of the public.

My thanks to all the members who have displayed their obvious commitment to the profession in their proactive approach to this SPR program.

Last, but not least, I wish to express my thanks to the members of the Practice Review Board for their support, dedication and hard work throughout the year.

D.R. McWilliam, A.L.S.
CHAIRMAN, PRACTICE REVIEW BOARD

Registration Committee
Chairman:
B.E. Winton
Vice Chairman:
L.A. Cridland
Council Liaison:
L.M. Pals
Members:
R.J. Fulton
T. Ingraham
R.W. Leeman
J.D. Wallace

OVERVIEW OF 1995/96 ACTION STEPS
1. Perform all statutory functions as outlined in the Act.
This function is ongoing and will be included in the 1996/97 Action Steps.
2. Perform annual pupil interviews, initial pupil interviews, and transfer pupil interviews.
This function is ongoing and will be included in the 1996/97 action steps. To date, the committee has performed twelve initial interviews, thirty-five annual interviews, three transfer interviews, and one reinstatement interview.
3. Carry out all duties as delegated by the Universities Coordinating Council including:
—setting, administering and evaluating professional qualifying examinations.
This function is ongoing and will be included in the 1996/97 action steps. To date, four qualifying examinations have been held this year and at least one more is scheduled before year end.
4. Conduct ongoing review of the entire articling process to ensure appropriateness of content and current practice.
—Examine interview and exam process.
This function is ongoing and will appear on the 1996/97 action steps. The interview forms have been updated this year.
5. In cooperation with the Practice Review Board, draft Articling Process Evaluation Form.
This is currently under review and should be completed this term.

6. Ongoing review of the Syllabus and make recommendations to Council before forwarding to the Universities Coordinating Council for changes.

—Review Pupil Handbook
This action step is considered ongoing and will appear on the 1996/97 action steps. The Pupil Handbook was reviewed and the amendments have been approved by Council. One significant change is that it is now a requirement that both the principal and the pupil attend the annual interview.

7. Prepare an annual operating plan including a budget.

8. Prepare an annual committee report for the Annual General Meeting.

9. Prepare a yearly evaluation of the committee’s accomplishment of its terms of reference, recommending changes and amendments for the following year.

Items 7, 8, and 9 are considered ongoing and will be included in the 1996/97 action steps.

"Getting It Right" Seminar 1996
Complete course materials available for $50.00 plus GST
Seven binders are available at the present time. Reprints will be ordered in increments of twenty binders.

To order, please contact the Alberta Land Surveyors' Association 2501, 10004 - 104 Avenue Edmonton, Alberta T5J 0K1 Tel: 429-8805 or 1-800-662-2572 Fax: 429-3374
ASSMT
Alberta Society of Surveying and Mapping Technologies

Council Liaison
P.M. Michaud

Member:
H.L. Palindat

REPORT OF ACTIVITIES
During the past year the Alberta Society of Surveying and Mapping Technologies (ASSMT) has been very active and relations with the Alberta Land Surveyors' Association (ALSA) continued to be positive and beneficial.

Highlights included:
- ALSA Council appointed Stephen Nichol, A.L.S. to ASSMT's Certification Board. This Board makes recommendations on certification to the Council of ASSMT and is made up of two ASSMT members and one additional surveyor, Z. Swydnynycky, A.L.S.
- Members of ASSMT were members of ALSA committees; Bob MacDormand on Legislation; Gary Vermeulen on Public Relations; and Richard Gulewicz on Professional Development.
- ASSMT published news and information articles in ALSA News.
- ASSMT members became eligible to participate in the ALSA's Auto-Home Insurance Plan.
- ASSMT made their Safety Certification Program available to Alberta Land Surveyors and their companies.
- ALSA proposed changes to their bylaws which would allow ASSMT members to become Associate Members of ALSA. The proposal will be voted on at the next ALSA Annual General Meeting in April 1996.
- ASSMT held their 23rd Annual Meeting on April 29, 1995 at the Fantasyland Hotel in Edmonton.

The meeting coincided with their 25th anniversary. In celebration the Honorary Life Members' Plaque was unveiled by Bob Baker, A.L.S. and Henry Palindat, A.L.S. The plaque acknowledges the contributions of eleven individuals, nine of which are/were Alberta Land Surveyors for launching and sustaining ASSMT.

At the meeting, the following people were elected/appointed: Maurice Fontaine, President; Alan Strid, Vice President; Wayne Latam, Past President; Hugh Furber, Registrar; Rick Palindat, Treasurer; Stutt Pottruff, Executive Manager; and Joann Franche, John McCutcheon, Brian Irwin, and Paul Methuen as Councillors.

ASSMT is currently reviewing the idea of holding their next Annual Meeting in Kananaskis in April 1996 at the same time as the ALSA Annual General Meeting.

CCLS
Canadian Council of Land Surveyors

Director
J.H. Holmlund

Members:
V.G. Hut, S.M. Loeppky

REPORT OF ACTIVITIES
In Jasper, Alberta on April 23rd and 24th, 1995 the Board of Directors of the Canadian Council of Land Surveyors met for their Annual General Meeting. Both John Holmlund (Alberta Director) and Victor Hut were in attendance. Joining the regular attendees from the respective provincial and federal associations were American representatives from the National Council of Examiners for Engineers and Surveyors (NCEES), and the National Society of Professional Surveyors (NSPS).

Issues covered during the meeting were as follows:
1. There are approximately 1,875 provincial land surveyors in all of Canada, with roughly 14% comprising Alberta Land Surveyors.
2. No nominations for the Champlain Award were received and thus, no presentation of the award will be made for 1995.
3. NAFTA negotiations are continuing with the U.S. counterparts, although the Mexican contingency has not been located. Alberta's project is to be a part of the negotiation in drafting a Mutual Recognition Document.
4. The project for the creation of a Contract Manual was completed and distributed to the member associations.
5. Title insurance is being handled by Ontario and will use Alberta as a resource, as they are the obvious stakeholders at this stage.
6. International relations are headed by Alberta and will use Ontario as a resource again, due to the similarities between activities of these member provinces.
7. It was noted that the expanded profession was intrinsically recognized by the CCLS by virtue of its bylaws.
8. The report by the Environmental Committee was received. It was suggested that an environmental seminar be prepared for members.
9. Doug Simmonds of Ontario, was elected President of CCLS, and Robin Davis of Newfoundland, Vice President.
10. Existing project team leaders are as follows:
   - Public Relations—Nova Scotia
   - Cooperation Within the Survey Profession—Prince Edward Island
   - The Expanded Profession—British Columbia
   - Environmental Issues—Newfoundland
   - Title Insurance—Ontario
   - International Issues—Alberta

Since the meeting in April, the CCLS office moved to shared space with that of the Association of Ontario Land Surveyors. Mr. Brian Munday became the new Executive Director and Office Manager.
Alberta has been tasked with being a part of the negotiating team in developing a cross border agreement with our American and Mexican affiliates. The association that will be representing the American land surveyors is the NSPS, whereas the negotiating team from Mexico is yet to be determined. The forum for such an agreement will be conducted with openness and fairness to all parties involved. It is a goal of this agreement to work towards reciprocity and the mutual recognition of the educational and professional requirements for surveyors. The committee intends to create an overhead presentation to illustrate its accomplishments, tasks, and goals to the ALSA membership at an upcoming regional meeting. The committee also plans to produce a regular column for ALS News.

The 1996 CCLS Annual General Meeting will be held immediately following the Saskatchewan 1996 Annual General Meeting.

U of C Advisory Committee to the Department of Geomatics Engineering

Member:
B.M. Cooley (appointed by the University of Calgary)

REPORT OF ACTIVITIES
As a member of this committee it is my pleasure to report on a meeting held on November 17, 1995 at the University of Calgary Campus, chaired by Mr. Mike Toomey. The following people were in attendance:
Brenwyn Cooley
Alberta Land Surveyors’ Association
Bryan Dreger
Association of Manitoba Land Surveyors
Stephen Lougheed
QC Data
Jon Magwood
Corporation of Land Surveyors of the Province of British Columbia

James McLellan
Pulsearth Navigation Systems
Larry MacLeod
Saskatchewan Land Surveyors Association
Doug Reid
Novatek Communications

Guests
W.R. Dabbs
J.H. Holmlund

Attending from the faculty were:
Dr. Gerard Laplace
Dr. Michael Chapman
Dr. Chan Wirasinghe
Dr. Michael Siders

The report brought to the meeting by attending faculty members, provided an upbeat overview of the Department of Geomatics Engineering in that the budget cuts were treated as an opportunity to do business differently, resulting in some very positive and effective changes. Student enrolment is up, student participation and productivity in industry has been enhanced, the internship program is more

A TOTAL STATION YOU CAN’T BEAT AT A PRICE THAT WON’T BEAT YOU!

It's a new, affordable total station with lots of useful functions that can help you make money. Here are a few:

- **On-Board 500 Point Data Storage**
The DTM-300 will store point name, code, XYZ coordinates and raw data. Design coordinates can also be loaded.

- **Station Setup**
2 or 3 point resections can be calculated by the DTM-300.

- **Three Dimensional Stake-out**
Coordinates can be input or searched and retrieved from a data file. 0-direction countdown, delta display (Left/Right, In/Out, Cut/Fill) for simplified stake-out.

- **COGO Calculation**
Point-to-point inverse and azimuth and distance calculation. Coordinates can be retrieved or stored.

- **Simple to Operate Control Panel**
Large four-line LCD on both faces. Simple keyboard

**Nikon presents the DTM-300.**

Call for your copy of Cansel’s Survey and Engineering Equipment Catalogue.
Toll Free Order Hot Line: 1-800-661-8342
Phone: (403) 437-7406  Fax: (403) 437-4079

- VANCOUVER  •  CALGARY  •  EDMONTON  •  WINNIPEG  •  TORONTO  •  OTTAWA  •  MONTREAL  •  HALIFAX  •  QUEBEC CITY
widely accepted, and undergraduate studies noted that Calgary is gaining the reputation of being the GPS capital of the world.

Scholarship funding has almost doubled in six years.

At this meeting, it was also a pleasure to have the Dean, Dr. Wirasinghe, meet with those present who also provided a very positive report. He indicated the corner had been thrown in addressing budget cuts. Funding has been obtained from the province for new programs in manufacturing engineering, as well as for the internship program. He also indicated the Department of Geomatics Engineering at the University of Calgary is in the top three of the world.

The entry average from high school for engineering is 85%, which is the highest in the University. The University accepts approximately 450 of the 900 applications received in any given year. Students are getting jobs, especially those who participate in the internship programs. Dean Wirasinghe reported that with respect to the Cadastral Chair, Dr. McEwen's contract was completed at the end of December 1995 and the University entered into a sessional situation for the months of January through April of 1996 with Mr. Stephen Fediw, A.L.S. The position to fill the Cadastral Chair has been advertised and is expected to be filled by July 1, 1996.

Dr. Sideris provided an overview of the requirements for a Masters Degree in Geomatics. The highlights are as follows:
- There are now eight courses required instead of 10.
- No requirements for residency
- Accelerated Masters of Engineering Degree program to be completed in one year.
- If an individual has extra courses completed at the undergraduate level, they can be used towards the Masters of Engineering Degree.

Reports were received from each of the industry associations:
- Alberta Land Surveyors Association,
- Association of Manitoba Land Surveyors,
- Corporation of Land Surveyors of the Province of British Columbia
- Saskatchewan Land Surveyors Association, and
- Association of Professional Engineers, Geologists, and Geophysicists of Alberta.

With respect to the Cadastral Chair, Dr. Lachapelle indicated that the land surveying profession in the four western provinces has committed to contribute $50,000 per year for five years. The University of Calgary will contribute $25,000 per year for five years. A selection committee comprised of five individuals has been formalized to undertake the process to fill the vacancy in the Cadastral Chair. Two people on this committee are Alberta Land Surveyors.

During the meeting there was a discussion with respect to what the University should be teaching in five years. For this discussion representatives from the student body in Geomatics joined the meeting. During discussions it was affirmed that the students currently have adequate equipment and that the summer camp is very beneficial. There was some concern however, that more and more material is being pushed to the undergraduate level and there are fewer courses and less class time to cover the material.

With respect to the internship program, it was expressed that it would be gratifying to see more importance put on this program by the industry than has been in the past. It was suggested that perhaps this program has not been appropriately marketed and not well understood.

The University representatives indicated there has been a change in the approach to supporting the awareness of this particular program and through that it is hoped that industry will participate to a greater degree.

The terms of reference for the Advisory Committee were reviewed and some minor amendments were made with respect to the committee's responsibility respecting funding matters. It was agreed that the external members on the committee be selected to maximize coverage from among the major current and emerging disciplines of Geomatics Engineering.

A number of names were put forward as suggestions for nominations to fill vacancies in the coming term. Mr. Mike Toomey indicated this would be his last term as chairman and would be stepping down from the committee.

As a member of this committee, I would strongly urge the continuation and enhancement of participation by the land surveying associations in the four western provinces on the U of C Advisory Board. It will be integral to the strength of the program as it relates to Cadastral Surveying. If you are not at the table, you can expect that your voice will not be heard.

BRENTON M. COOLEY
EXECUTIVE DIRECTOR

WCBE
Western Canadian Board of Examiners

Alberta Members:
R.W. Leeman, J.E. Rasmuson

REPORT OF ACTIVITIES
The 1995 annual meeting was held in Calgary on April 24, 1995.
A motion presented by Alberta wherein all graduates of a CCLS accredited university program be deemed to have completed the requirements necessary for a WCBE certificate of completion was defeated.
A motion by Saskatchewan to serve notice to the CLS Board of Examiners that the Memorandum of Understanding between the WCBE and CLS Boards be terminated, was initially approved. Following a joint meeting with the CLS Board of Examiners, who were also meeting in Calgary, wherein they agreed to certain conditions, the previous vote was reversed.
Jerry Rasmuson, A.L.S. was appointed as the WCBE observer to the CLS Board of Examiners and has attended three meetings in that capacity. An additional special examiner was appointed from Western Canada for the 1996 and subsequent CLS Examinations. One more examiner will be appointed in 1996 for 1997 and subsequent examinations.
A joint meeting between the Board of Examiners for Canada Lands Surveyors (CLS Board), the Atlantic Provinces Board of Examiners for Land
Surveying (APBEIS), and the Western Canadian Board of Land Surveyors (WCBW) with observers from the Association of Canadian Lands Surveyors (ACLS) was held in Ottawa on February 12, 1996. This meeting was held to discuss possible inclusion of APBEIS into a Memorandum of Understanding with the CLS and WCBW Board for common syllabus and examinations for the portion of Canada represented by these Boards. The conclusion of the meeting was that a Memorandum of Understanding including all three Boards be drafted and circulated for comment and approval in principal by the respective boards and provinces.

There has also been an increase in the number of WCBW candidates writing the common examinations at the February sitting.

We would encourage the membership of the ALSA to contact either Jerry Rasmussen, A.L.S. or Roger Leeman, A.L.S. if they have any questions or concerns regarding WCBW matters.

J.E. Rasmussen, A.L.S. Registrar

What is Geomatics?

by Graham W. Bowden, P. Eng., O.L.S.

Geomatics is the art and science of geomatics. To better understand this new science we need to review the terminology of this new industry.

Geomatics...The act of causing data to reach a state of spatial cognizance.

Geodat...An individual data element. Requires at least 2 geodats for geomatics.

Geomaticable...Raw geodat which can be geomaticed.

Ungeomaticable...Raw geodat which cannot be geomaticed, most often because they are spatially insignificant or spatially repulsive.

Geogitate...To constantly message the date. Most geomaticist suffer from this compulsive disorder.

Geostatic...Stable data. A state usually measured in nanoseconds.

Geographic...Data that exceeds the capability of the software and reaches critical mass.

Geostate...There are only 2 geostates: geostatic and geocritical.

Jardine Rolfe Limited

1380, 144 - 4th Avenue S.W.
Calgary, Alberta
Canada T2P 3N4
Tel: (403) 265-5550
Fax: (403) 265-5505

LAND SURVEYORS' COMPREHENSIVE INSURANCE PACKAGE

- Surveyors' Equipment
- Valuable Papers (Plans)
- Commercial General Liability
- Office Contents
- Computer Equipment
- Extra Expense

EXCLUSIVE AGENTS FOR THE LAND SURVEYORS' PROFESSIONAL LIABILITY INSURANCE

Jardines

Terrace Plaza
490, 4445 Calgary Trail South
Edmonton, Alberta T6H 5R7
Tel: (403) 438-0250
Fax: (403) 438-3230
**SYSTEMATIC PRACTICE REVIEW REPORT**

by Allan W. Nelson, A.L.S.

Drawing near to the end of our second full year in the Systematic Practice Review program, we find ourselves in a position to be able to report some general findings which should be of interest to the membership.

A. ACCEPTANCE

We are now receiving calls from practitioners who have not yet been reviewed. As previously reported, some want to conduct their own audits prior to our arrival; others are eager to get their review underway. No-one has refused to cooperate with the process—most have encouraged it. We believe this indicates two very important facts:

(i) our members are taking a lead role in promoting professionalism through peer review;
(ii) the SPR process has gained acceptance and credibility over the past two years.

B. STATISTICS

(as at February 16, 1996)

1. Progress

- Reviews completed and considered by the Practice Review Board: ...... 52
- Follow-up reviews completed and closed: ........................................ 5
- Reviews Referred: .................................................. 2
- Follow-up reviews in progress: ...... 13
- Reviews in progress: ................... 23

2. Forecast

We forecast that 60 reports will be produced and considered by the Practice Review Board (the Board) in the next fiscal year. It is also predicted that the first full round of reviews will be completed during the 1997/98 fiscal year.

3. Cost

The Systematic Practice Review program has stayed well below its allocated budget. Initial budget set by Practice Review Board = $350,000 annually

<table>
<thead>
<tr>
<th>Year</th>
<th>Budget</th>
<th>Actual</th>
</tr>
</thead>
<tbody>
<tr>
<td>1994/95</td>
<td>$222,600</td>
<td>$181,119</td>
</tr>
<tr>
<td>1995/96</td>
<td>$274,700</td>
<td>$231,450</td>
</tr>
<tr>
<td>1996/97</td>
<td>$250,300</td>
<td>?</td>
</tr>
<tr>
<td>1997/98</td>
<td>$270,000</td>
<td>?</td>
</tr>
<tr>
<td>Total</td>
<td>$1,017,600</td>
<td>?</td>
</tr>
</tbody>
</table>

The initial objective of a three-year program at $350,000 per annum would have generated a Round 1 cost of $1,050,000. Our costs to date plus our two-year forecast would indicate a Round 1 completion in three-and-a-half to four years with costs falling below the Board’s original forecast.

C. RESULTS

1. General

Seventy-five (75%) percent of practices reviewed are found to be acceptable, with some remedial measures being self-imposed.

Within this category it is important to recognize some very exciting demonstrations of true professionalism and technological advancement. Collectively, we have much to be proud of and this bright light should establish our focus and become the goal for all of us.

Twenty-five (25%) percent of practices are subject to follow-up review.

Within this category there are two main reasons which have caused the Board to request follow-up reviews:

(i) significant noncompliance or problems (either a serious problem or multiple lesser problems);
(ii) failure of a practitioner’s response to convince the Board that the necessary remedial measures will be implemented.

While only a few follow-up reviews have been completed, the SPR staff are very encouraged by the findings to date. Some of the changes made voluntarily within the practices are nothing short of remarkable. Clearly, some of these practices have moved to challenge the very best of those found to be initially acceptable. We would love to hijack the credit for these very positive findings but it belongs rightfully to the practitioners themselves. We were merely the catalyst, or the springboard in some cases.

It is clear that new leaders are emerging from among those who were formerly reluctant followers. The beneficiaries are the profession, our clients, the public.

2. Specific

Compiling results of reviews to date tends to yield some commonalities.

(a) Record Keeping:

This is an area where most practices could make a significant improvement with very little effort. Indexing files, assignment confirmation (contract), paper trail (transmittals and correspondence) and project tracking are some of the key issues here.

Insurance claims and discipline cases are not helped—and may even be caused—by poor records and a lack of communication.

(b) Evidence Assessment:

SPR finds some examples of duplicate monumentation and instances where traces of original monuments exist in the form of wooden post remnants, 1 holes, rust marks, etc., when “Fd. no Mk.” is indicated. This is probably the most direct form of immediate liability for land surveyors and the most difficult and complex issue for a land surveyor to resolve once the plan has been registered.

We have identified circumstances where significant, incremental amounts of work have been done to facilitate retraction and re-establishment—more than would have been necessary if the field crew had made a more diligent search. The question arises as to why one would choose to do more work for increased liability. Laziness? Poor training?
practitioners have made very positive changes to their practice, such as:
(i) creating report forms for evidence assessment;
(ii) keeping better field notes and establishing better forms of communication with field staff;
(iii) being more often personally present in the field;
(iv) conducting systematic field checks on all staff.
(c) Field Notes:
Are often found to leave much to be desired. The Manual of Good Practice requires land surveyors to create and maintain these records in a certain format and with certain content. It is a real shame when a good survey is hidden behind poor records and field notes. Again, why would one choose to incur increased liability for such reasons?
(d) Searches:
Over the years, we have discussed at length the value and necessity of complete searches. This applies to both plans and documents which affect extent of title, the definition of which has been entrusted exclusively to Alberta Land Surveyors by statute. There are instances where we see documents being ignored which clearly affect the survey and its results. We contend that this falls far short of our mandate as land surveyors. Reasons such as inconvenience and additional cost offered by some are considered to be poor excuses and without foundation; they are not defensible.

3. The Profession
What is the Systematic Practice Review program doing for the profession? I offer the following observations:
(i) it is a positive, educational tool in the hands of a committed membership;
(ii) it forces all of us to be more currently familiar with our Legislation, the Manual of Good Practice and the Code of Ethics;
(iii) it is a vehicle for expressing frustration and/or concerns in an atmosphere of mutual respect;
(iv) it provides an independent outside look at a practice which may reveal facts or ideas not readily apparent to a practitioner;
(v) it helps to reduce liability by identifying areas of noncompliance;
(vi) it may be used as an administrative vehicle by the practice to express concerns to staff, as well as to recognize their integral importance to success;
(vii) it is a vehicle for sharing resources among surveyors, e.g., checklists, software hints, evidence assessment report forms, and more;
(viii) it identifies areas requiring action by the Professional Development Committee;
(ix) it is a flagship program of peer review for professionals nationwide.

D. SPR STAFF
The staff in the SPR program have made considerable adjustments to procedures and reports over the past year. These were instigated as a result of:
• feedback from members
• questionnaires returned to the President
• the ongoing requirements and wishes of the Board
• staff initiatives to expedite the process and improve efficiencies.
Some noteworthy changes have been:
• eliminating the need for duplicate answers on common issues, e.g., field notes;
• improving turnaround time;
• providing checklists as information, but summarizing the issues in recommendations;
• absencing staff from the meeting when the Board is making decisions on reports;
• more timely reporting of serious problems, such as finding conflicting evidence, rather than waiting for delivery of the full report.

I want to acknowledge the staff in the SPR program and their unqualified commitment to the objectives of the program. I would also like to acknowledge the cooperation of the Administrative staff who interface with our group and, by necessity, integrate their priorities with ours.

E. PRACTICE REVIEW BOARD
I can report my personal observation that serving on the Practice Review Board is a formidable task. The focus of the SPR program, the complexity of issues dealt with, and the fact that the source of livelihood of an Alberta Land Surveyor is being scrutinized, all combine to constitute a very grave responsibility. It is clear that the Board does not take this responsibility lightly. Staff recommendations are challenged and tested, and the work of staff is subjected to intense scrutiny more rigidly and more often than are the practitioners under review.

I vouch for long hours, thoroughness and objective decision-making on the part of the Board. Our Practice Review Board deserves a ton of gratitude and I encourage you to express it at the Annual General Meeting in April. That’s one of the few rewards the Board members will receive for their tenure.

F. A LOOK AHEAD
We feel fortunate to have been given sufficient latitude to keep the process dynamic enough to respond to you, the members, to the Board and to Council. My personal objective at the completion of Round 1 is to facilitate a review of the program, its process and procedures along with the feedback from the membership.

I believe that a future bylaw setting out clear guidelines for the program would be in order. Other provinces have tried to imagine all the details prior to implementing legislation. The Alberta Land Surveyors’ Association is a leader in peer review because your program has evolved from practical application. At the end of Round 1, you and your Council will address the future of this program based on:
• the status of the profession,
• the needs of our membership,
• the ability to fund this initiative, and
• our obligation, as a profession, to the public.
Professional Development Program Questionnaire Results
Total responses: 60 out of 265 mailed resulting in a 23% rate of return.

COURSES

<table>
<thead>
<tr>
<th>COURSES</th>
<th>PERCENT OF RESPONDENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Yes</td>
</tr>
<tr>
<td>BUSINESS:</td>
<td></td>
</tr>
<tr>
<td>Administration</td>
<td>68%</td>
</tr>
<tr>
<td>Contract Law</td>
<td>73%</td>
</tr>
<tr>
<td>Employment Law</td>
<td>58%</td>
</tr>
<tr>
<td>Financial</td>
<td>68%</td>
</tr>
<tr>
<td>Human Resources</td>
<td>48%</td>
</tr>
<tr>
<td>Insurance</td>
<td>48%</td>
</tr>
<tr>
<td>Marketing</td>
<td>63%</td>
</tr>
</tbody>
</table>

Comments:
1. Would suggest an "option" of one business course every 3-5 years or some other period of time.
2. All of the above courses would benefit an Alberta Land Surveyor, however, I don't think that these types of courses should be mandatory.
3. These courses could be voluntary. The PDC could identify where these courses are available.
4. These are essential this day and age.
5. They are all important.
6. Many of the above subjects would be beneficial as they pertain to our profession. Some of the topics are general and could be obtained from other sources, i.e. Employment Law, Insurance.

PERSONAL DEVELOPMENT:

<table>
<thead>
<tr>
<th>COURSES</th>
<th>PERCENT OF RESPONDENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Yes</td>
</tr>
<tr>
<td>Leadership Skills</td>
<td>58%</td>
</tr>
<tr>
<td>Media Training</td>
<td>12%</td>
</tr>
<tr>
<td>Negotiating</td>
<td>53%</td>
</tr>
<tr>
<td>Presentations</td>
<td>58%</td>
</tr>
<tr>
<td>Public Speaking</td>
<td>58%</td>
</tr>
<tr>
<td>Safety</td>
<td>63%</td>
</tr>
<tr>
<td>Time Management</td>
<td>55%</td>
</tr>
<tr>
<td>Writing Skills</td>
<td>68%</td>
</tr>
</tbody>
</table>

Comments:
1. All of the above are good ideas.
2. These all seem like valuable courses, but again, I don't think that these courses should be mandatory.
3. These courses could be voluntary. The PDC could identify where these courses are available.
4. Very.
5. Personal development is very important but I do not see it as part of the ALSA Professional Development Program.

PROFESSIONAL:

<table>
<thead>
<tr>
<th>COURSES</th>
<th>PERCENT OF RESPONDENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Yes</td>
</tr>
<tr>
<td>Boundary Re-establishment</td>
<td>82%</td>
</tr>
<tr>
<td>Ethics</td>
<td>85%</td>
</tr>
<tr>
<td>Legislative Changes</td>
<td>87%</td>
</tr>
<tr>
<td>Loss Prevention</td>
<td>78%</td>
</tr>
<tr>
<td>Plan Examination</td>
<td>87%</td>
</tr>
<tr>
<td>Natural Boundaries</td>
<td>90%</td>
</tr>
<tr>
<td>Survey Law</td>
<td>82%</td>
</tr>
</tbody>
</table>

Comments:
1. These courses are all essential to the "exclusive" field of practice. One of these courses should be taken very two years.
2. All are worthwhile.
3. These are the types of courses for "Mandatory" Continuing Education for Alberta Land Surveyors.
4. If any courses should be mandatory, I feel these are the ones.
5. These courses should be mandatory. The PDC should concentrate on providing these courses.
6. Great!

TECHNICAL:

<table>
<thead>
<tr>
<th>COURSES</th>
<th>PERCENT OF RESPONDENTS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Yes</td>
</tr>
<tr>
<td>CAD Applications</td>
<td>50%</td>
</tr>
<tr>
<td>Data Transfer</td>
<td>57%</td>
</tr>
<tr>
<td>GPS</td>
<td>83%</td>
</tr>
<tr>
<td>LIS/GIS</td>
<td>77%</td>
</tr>
<tr>
<td>Office Automation</td>
<td>53%</td>
</tr>
<tr>
<td>Software</td>
<td>51%</td>
</tr>
<tr>
<td>Survey Data Adjustments</td>
<td>68%</td>
</tr>
</tbody>
</table>

Comments:
1. These are all technical subjects and the need will vary with the field of practice.
2. All of the above items are important. Perhaps a system of setting up a priority for them is needed.
3. I feel that all the above courses or programs are important to the ALSA. You also have done a good job at pinpointing these programs.
4. These look like good courses, but I don't think they should be mandatory.
5. These courses could be voluntary. The PDC could identify where these courses are available or provide assistance with ASSMT in providing these courses.
6. GPS must be "fully" addressed in all categories.
The Real Property Report Course

In any organization's history, there are notable experiences, successes, and accomplishments. There is one such success story that the Alberta Land Surveyors' Association would be remiss in not acknowledging, and that is the course that has been developed for Realtors with respect to Real Property Reports.

Last August, the Association had the opportunity to respond to a request from the real estate industry to develop a course for Realtors that would provide them with information on the purpose, process, and necessity of Real Property Reports.

So how did this happen to get started? At the outset of the Public Relations Plan, research was conducted to identify various groups and organizations that the Association needed to build a linkage with in order to enhance and fulfill the mission of the public relations program, which was and is, to raise and enhance the profile of Alberta Land Surveyors. The real estate industry in general was identified as one of those groups and as a result of a variety of meetings and casual encounters, the request came forward for this particular course.

Brian Stecyk, President of Rose Country Communications Ltd., as most of you know, has been an integral and driving force in making the public relations program a reality and a success. He is also a man with many connections. One of his connections was Mr. Barry Hanna from the Real Estate Training Institute. In cooperation with Barry, the Public Relations Committee embarked on the process to develop the course that would become a tool for Realtors in their real estate transactions.

The final step in this was the creation of a "Design Team". This group was made up of Larry Pals, Peter Sullivan, Bob Haagsma, Brian Stecyk, Barry Hanna, and the Executive Director. At the outset, it was determined it would be important to have "a course writer". It is one thing to know the technical aspects of land surveying however, it's another to put them in words that people in other professions and the general public can understand.

To that end, proposal calls were requested from course writers that were identified through Mr. Hanna and these proposals were reviewed and appropriate persons interviewed. It was the Association's good fortune that Darcey Lynn Marc of marc & associates, was contracted to develop the course and work with the design team.

While the initial stages of the process were being laid out, it was also identified that through the Alberta Real Estate Foundation, there were grant monies available to assist organizations in developing and producing courses for the Real Estate Industry. Enquiries were made which resulted in the receipt of the appropriate forms and information that would enable the Alberta Land Surveyors' Association to submit an application for a $20,000 grant to develop this course. The grant application was approved. It was considered to be somewhat of a triumph to proceed on a project to develop something for another industry and get paid by that industry to do so.

The selection of Darcey Lynn Marc as the course writer proved to be an excellent decision as she provided invaluable guidance, dedication and commitment to the project that is seldom seen in a consultant. Her mastering and wizardry with words indeed left everyone in awe. The design team is also to be commended as there were many times that the task at hand seemed somewhat overwhelming.

In December 1995 it started to all come together as text, overheads, plans, etc. emerged to form what is now a Facilitator's Guide for the Real Property Report Course.

Also at the outset of this process, it was identified that the course would be submitted to the Alberta Real Estate Board for accreditation in their mandatory continuing education program. We are proud to say that the course has received that accreditation and is already in demand.

Once 1996 arrived, with the Facilitator Guide completed, it was time to find trainers that could deliver the program to real estate professionals. A call for interested land surveyors to participate as trainers was sent out to the membership with an excellent response received. Eleven applications were submitted, eight of which proceeded through to the final training process. The applicants were interviewed, and then invited to a second interview which provided them with an opportunity to demonstrate their presentation skills. Once having met the test at this stage, the following were invited to take the "Train the Trainer Program" which was conducted February 13th to 16th inclusive.

G.K. Allred B.A. Barnett
G.D. Cross R.L. Haagsma
D.J. Hagen S.M. Loeppky
J.I. Maidment L.M. Pals

These four days proved to be most intense and certainly judging by the evaluations, was a very rewarding and enlightening experience for the land surveyors who took part. As a result, all of the foregoing received certification to be facilitators for the course. It is expected that the first of these courses will be presented in March 1996 and that the Real Property Report Course for Realtors will be in demand year round.

This project is an excellent example of how a small organization like the Alberta Land Surveyors' Association, by developing relationships and linkages to other groups, can make their presence felt and have an impact on a much larger group and audience of people such as the real estate industry in Alberta. Those who were involved in the design team, the consultants, and staff are to be commended whole heartedly for being a part of this truly wonderful and rewarding experience.

BRENNYN M. COOLEY
EXECUTIVE DIRECTOR
FROM THE REGISTRAR
by Jerald E. Rasmussen, A.L.S.

This is the final opportunity before the 87th Annual General Meeting for me to report to the membership about the Registrar's activities.

As of this date, we have issued A.L.S. commissions to four new members and have issued permits to six new corporate practitioners. The number of telephone and written complaints has increased significantly from last year, as have the number of complaints that have been referred to the Chairman of the Discipline Committee. Four written complaints have been successfully mediated this year. A complete report on these matters will be made at the Annual General Meeting.

At this year's AGM, the members are being asked to approve the rewrite of both the ALSA Bylaws and the Manual of Good Practice. For the Registrar, the significant issues in the Bylaws are the creation of membership categories for non-commissioned persons, and the elimination of any further Honorary Life Memberships. These amendments could have a major impact on the future of our Association and the profession, therefore I urge all of the members to analyze these changes by considering the pluses and minuses of a broader based association membership as is proposed.

We are now in a position to update the members on the Cadastral Professorship position at the University of Calgary Geomatics Engineering Department. During the summer and fall of 1995 the Department of Geomatics secured the U of C's share of the funds for a renewed five year period. All of the necessary financing, which includes the ALSA's share, was secured in late November. A selection committee of three people from the University of Calgary and two people from the profession of land surveying was established. This committee produced the employment opportunity advertisement which has been circulated world wide through a number of mediums. The selection committee will be reviewing applications and making a decision so that the successful applicant will commence employment on July 1, 1996.

On behalf of the Alberta Land Surveyors' Association I would like to recognize the significant contribution made to the Geomatics program at the University of Calgary and to our profession by Dr. Alec McEwen during his five year tenure with the Department. Dr. McEwen, whose five year contract expired on December 31, 1995, is remaining in Calgary and will continue to be a resource available to the profession. Mr. Stephen Fediw, A.L.S. has been retained by the Geomatics Department as a sessional instructor for the Winter 1996 courses.

As the Western Canadian Board of Examiners appointee as observer to the CLS Board of Examiners, I will be attending a meeting in Ottawa on February 12, 1996. An item on the agenda is the discussion of the Memorandum of Agreement between the CLS Board of Examiners and the Atlantic-Provinces Board of Examiners, similar to the one with the CLS Board and the WCBE. If the negotiations are successful, it could result in a common syllabus for the entrance level requirements of all provinces, except Ontario and Quebec, into the profession. The timing of these talks is prudent, as the provincial governments are having discussions about unrestricted inter-provincial movement of the labour force.

It appears to me that every Alberta Land Surveyor needs to be in Kananaskis for the Annual General Meeting on April 25th to 27th, 1996 to ensure that his/her voice is heard on a number of issues that are going to impact the profession for many years.
## Results of the 1995 Questionnaire

**Income and Benefits Survey - Active Members**

*All replies average annual (all inclusive)*

(Bracket number indicates number of replies)

<table>
<thead>
<tr>
<th>Registration Year</th>
<th>Private Practice Owners</th>
<th>Private Practice Employees</th>
<th>Industry Government &amp; Education</th>
<th>All Private Practice</th>
<th>All Replies</th>
</tr>
</thead>
<tbody>
<tr>
<td>1990 - 1995</td>
<td>(2) 73,250</td>
<td>(2) 61,900</td>
<td>(1) 46,000</td>
<td>(4) 67,575</td>
<td>(5) 63,260</td>
</tr>
<tr>
<td>1985 - 1989</td>
<td>(5) 62,000</td>
<td>(2) 61,000</td>
<td>(0)</td>
<td>(7) 61,714</td>
<td>(7) 61,714</td>
</tr>
<tr>
<td>1980 - 1984</td>
<td>(4) 101,250</td>
<td>(4) 71,625</td>
<td>(1) 52,000</td>
<td>(8) 86,438</td>
<td>(9) 82,611</td>
</tr>
<tr>
<td>1975 - 1979</td>
<td>(7) 171,286</td>
<td>(6) 80,257</td>
<td>(2) 54,750</td>
<td>(13) 129,273</td>
<td>(15) 119,336</td>
</tr>
<tr>
<td>1970 - 1974</td>
<td>(3) 174,667</td>
<td>(1) 62,000</td>
<td>(0)</td>
<td>(4) 146,500</td>
<td>(4) 146,500</td>
</tr>
<tr>
<td>Prior to 1970</td>
<td>(5) 104,320</td>
<td>(1) 60,900</td>
<td>(0)</td>
<td>(6) 97,083</td>
<td>(6) 97,083</td>
</tr>
<tr>
<td>Average</td>
<td>(26) 119,465</td>
<td>(16) 71,047</td>
<td>(4) 51,185</td>
<td>(42) 101,020</td>
<td>(46) 96,747</td>
</tr>
</tbody>
</table>

### A. Year of registration (check one)

- **1990-1995**: 5
- **1985-1989**: 7
- **1980-84**: 9
- **1975-79**: 15
- **1970-74**: 4
- **Prior to 1970**: 6

### B. Nature of present endeavour (enter appropriate number on line)

1. Private Practice - Sole Proprietor or partner: 26
2. Private Practice - employee: 16
3. Industry: 0
4. Government and Education: 4

### C. Percent of field practice

- Municipal: 31%
- Resource Development: 42%
- Construction: 10%
- Other: 17%

### D. Annual personal earnings as of year end December 31, 1995 (estimated) $96,747

(Include salary or share of partnership or proprietorship profits; bonuses; overtime pay; profit sharing and similar items. Also exclude any amount for employment benefits which are dealt with separately below and any amounts which are not survey income.)

### E. Office of Employment

1. Edmonton: 14
2. Calgary: 20
3. Other Alberta Centre: 12
4. Outside Alberta: 0

### F. Employment benefits received

- Yes: No
- (1) payment of annual registration fees: 45 1
- (2) payment of professional development course fees: 45 1
- (3) payment of Annual Meeting expenses: 43 3
- (4) provision of car allowance, company: 28 18
- (5) provision of pension plan participation: 14 32
- (6) provision of medical benefits plans: 35 11
- (7) provision of Stock Options: 15 31

### G. Annual vacation, expressed in weeks

- 2 weeks: 4
- 3 weeks: 20
- 4 weeks: 14
- 5 weeks: 1
- 6 weeks: 6
- over 6 weeks: 1

### H. Average work week = 47.93 hours

### I. Allied qualifications

- Yes: No
- (1) Other Commissions: 20
- (2) M.C.I.P.: 1
- (3) Professional Engineer: 11
- (4) Other: 26
- (5) None: 45
- (6) 11
- (7) 35
Results of the 1995 Survey Services and Average Unit Prices Survey

A. SURVEY SERVICES 1995 (excluding GST)

1. Hourly Rates for Personnel
   (a) Field Supervisor (i.e. Party Chief II) $54/hr.
   (b) Two Man Crew $81/hr.
   (c) Each Additional Field Person $23/hr.
   (d) Manual Drafting (person) $44/hr.
   (e) CAD Operator (person) $52/hr.
   (f) Calculations (person) $50/hr.
   (g) Plan Searching, Printing, Job Setup $40/hr.
   (h) Final Plan Checker $58/hr.
   (i) ALS Professional Fees $82/hr.
   (j) ALS Hours Charged in Relation to Crew Hours Worked 1.14 hrs. to 8 hrs. crew time

Comments:
• Numbers have been taken to the nearest dollar.
• There are "zero" companies with crew rates over $90/hr. These companies also tend to have the highest rates in the other categories.
• 15 of the 21 respondents indicated fees for “final plan checking” with rates varying from $36 to $85/hr.

2. Equipment, Material and Disbursements
   (a) Vehicle - 2 wheel $63/day or $4.2/km. or $10/hr.
      - 4 wheel $80/day or $5.4/km. or $11/hr.
   (b) ATV - 2 wheel drive quad $69/day or $9/hr.
      - 4 wheel drive quad $88/day or $9/hr.
      - Argos/Bobcat, etc. $113/day or $15/hr.
   (c) Snowmobile $86/day or $11/hr.
   (d) EDM $57/day or $7/hr.
   (e) Total Station with Data Collector $108/day or $11/hr.
   (f) GPS units (includes field laptops)
      - Real Time $353/unit/day
      - Static Time $221/unit/day
   (g) CAD Station $51/day or $21/hr.
   (h) Computer Station $49/day or $27/hr.
   (i) Percentage of hours charged for CAD station to CAD operator 85%
   (j) Application, Approval & Registration Fees Cost + 10%
   (k) Disbursements (LTO, ERCB, LISD, ENR, etc.) Cost + 10%
   (l) Communication Equipment
      (Walkie Talkie, Cellular Telephone) $29/day or $4/hr.
      (m) Subsistence $71/man/day or $12/meal or Cost + 11%
      (n) Pipe Detector $52/day or $10/hr.
      (o) Power Saw $50/day or $7/hr.
      (p) Legal Iron Posts $8/I.P.
      (q) Legal Marker Posts $12/M.P.
      (r) Lath, Flagging, Spikes, Iron Bars $—/field hr. or Cost + 10%
      (s) Printing & Drafting Supplies $—/draft. hr. or Cost + 10%
      (t) Long Distance Telephone Calls $2/field hr. or Cost + 9%
      (u) Facsimile Charges $1.04/page
      (v) Deliveries $17/delivery or Cost + 10%

Comments:
• Numbers have been taken to the nearest dollar.
• 47% of respondents charge hour for hour CAD station to operator.
• 6 of the 7 static time GPS users also work in real time.
# B. AVERAGE UNIT PRICES 1995 (excluding GST)

<table>
<thead>
<tr>
<th>Total Dollar Volume</th>
<th>Average Survey Unit Price</th>
<th>High/ Low</th>
<th>Total Number Surveyed</th>
<th>High/ Low</th>
<th>Total Replies Unit Price</th>
<th>Total Replies Tariff</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Lot Surveys (subdivision)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Residential</td>
<td>983,250</td>
<td>292</td>
<td>450/176</td>
<td>3593</td>
<td>1800/4</td>
<td>13</td>
</tr>
<tr>
<td>Commercial</td>
<td>15,750</td>
<td>508</td>
<td>1000/350</td>
<td>125</td>
<td>50/1</td>
<td>6</td>
</tr>
<tr>
<td>2. Real Property Report</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Residential</td>
<td>1,413,050</td>
<td>394</td>
<td>500/310</td>
<td>4231</td>
<td>2000/2</td>
<td>14</td>
</tr>
<tr>
<td>Commercial</td>
<td>46,100</td>
<td>736</td>
<td>1100/500</td>
<td>300</td>
<td>150/2</td>
<td>7</td>
</tr>
<tr>
<td>3. Construction stakeout</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Residential</td>
<td>715,125</td>
<td>505</td>
<td>600/400</td>
<td>1685</td>
<td>800/10</td>
<td>10</td>
</tr>
<tr>
<td>Commercial</td>
<td>13,500</td>
<td>767</td>
<td>950/600</td>
<td>55</td>
<td>20/5</td>
<td>3</td>
</tr>
<tr>
<td>4. Condominium Surveys</td>
<td>10,875</td>
<td>177</td>
<td>275/100</td>
<td>68</td>
<td>30/3</td>
<td>6</td>
</tr>
<tr>
<td>5. Descriptive Plans</td>
<td>67,275</td>
<td>471</td>
<td>750/200</td>
<td>194</td>
<td>75/2</td>
<td>14</td>
</tr>
</tbody>
</table>

## Results of the 1995 Wage Survey for Technical Support Staff Engaged in Legal Surveys

(Bracket number indicates number of replies)

<table>
<thead>
<tr>
<th>Job Description</th>
<th>ASSMT Rating (equivalent)</th>
<th>Number of Employees</th>
<th>Average Number of Hours Worked Per Week</th>
<th>Basic Hourly Salary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Party Chief II - capable of project control and management</td>
<td>Senior Technologist</td>
<td>(15) 3.33</td>
<td>49.30</td>
<td>19.19</td>
</tr>
<tr>
<td>Party Chief I - good academic background or extensive experience</td>
<td>Technologist</td>
<td>(20) 3.95</td>
<td>47.33</td>
<td>15.51</td>
</tr>
<tr>
<td>Survey Assistant - experienced survey aide working under full supervision</td>
<td>Technician</td>
<td>(18) 6.78</td>
<td>47.81</td>
<td>10.60</td>
</tr>
<tr>
<td>Secretary/Receptionist</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CAD Operator II - capable of computing and plotting a complete survey plan and operating a CAD Station</td>
<td>Senior Technologist</td>
<td>(13) 2.00</td>
<td>38.46</td>
<td>11.54</td>
</tr>
<tr>
<td>CAD Operator I - capable of plotting a complete survey plan using CAD when given bearings/distances</td>
<td>Senior Technician</td>
<td>(14) 2.79</td>
<td>42.96</td>
<td>15.32</td>
</tr>
<tr>
<td>Calculator Person - capable of computing from field notes and supplying information to a CAD operator or a table draftsperson</td>
<td>Senior Technologist</td>
<td>(9) 1.78</td>
<td>41.39</td>
<td>20.43</td>
</tr>
<tr>
<td>Table Draftsperson II - able to draft and compute a complete survey plan</td>
<td>Senior Technologist</td>
<td>(0) 0</td>
<td>0.00</td>
<td>0.00</td>
</tr>
<tr>
<td>Table Draftsperson I - able to draft a plan when given bearminng/distances</td>
<td>Technician</td>
<td>(3) 1.33</td>
<td>40.83</td>
<td>14.00</td>
</tr>
</tbody>
</table>
THE PROVEN LEADER IN CAD & GIS SUPPORT AND DEVELOPMENT

SERVING LAND SURVEYORS SINCE 1985
- Survey
- Municipal
- Mapping
- Oil and Gas
- Utilities
- Transportation

PROVIDING YOU WITH SOLUTIONS FOR:
- AutoCAD®, ADE®, AutoCAD MAP®
- Geographical Information Systems
- Custom Software Development
- Networking, Data Communications
- Automated Mapping
- Survey, Earthworks & Design Software
- Document Management Systems
- Product Support and Training

1-800 TECHNICAL SUPPORT THROUGHOUT CANADA & USA

Kanotech Information Systems Ltd.
575 Park Street
Regina, SK S4N 5B2
Ph: 306-721-2362
Fx: 306-721-2474

#105, 13245 146th Street
Edmonton, AB T5L 4S8
Ph: 403-455-9197
Fx: 403-452-4183

3118 Beta Avenue
Burnaby, BC V5G 4K4
Ph: 604-293-2233
Fx: 604-293-1254

Authorized Dealer
EMXS™ in AutoCAD®
"The Engineer's Choice"
MapInfo®
Authorized Partner

AutoCAD, Autodesk and the Autodesk Logo are registered trademarks of Autodesk Inc. All other brand names and trademarks belong to their respective owners.
REGISTRATION as an Alberta Land Surveyor establishes one as a member of the land surveying profession. Although it is implied, it does not mean that one thereby automatically becomes a professional.

The system established for qualification restricts membership to those knowledgeable and proficient enough to correctly solve or answer the examination problems in the various prescribed courses. This system, in many respects, assumes that the honesty, integrity, and ethical attitude required to be a true professional are also contained within the individual.

The majority of registrants have been well versed in the requirements established to be a professional; others seem to be professionals naturally. Still others, have little understanding of what professionalism is or why it is so necessary within any profession.

The Systematic Practice Review determines certain aspects of a practitioner's professionalism during the internal audit. The most evident indication of the responding practitioner's professionalism is provided by the written and action responses given to the Systematic Practice Review Report.

Numerous articles have been published about the professionalism of the members of our Association, but impropriety, incompetence, and many irregularities continue to exist. I think it is time to stop writing about professionalism and start taking some corrective action steps that are applicable in varying amounts to all members in our Association.

The Code of Ethics, which is contained in the Manual of Good Practice outlines the basic requirements to establish, reinforce, or renew an acceptable degree of professionalism within our profession. The Code of Ethics, as indicated in its printed introduction, represents a standard of conduct for all Alberta Land Surveyors. It stresses his/her responsibility not only to the public, but also to clients, personnel and colleagues.

The Code of Ethics, which is contained in the Manual of Good Practice outlines the basic requirements to establish, reinforce, or renew an acceptable degree of professionalism within our profession.

Consider the following initial action steps for putting professionalism back in our profession.

1. Highlight the Code of Ethics and move it to its proper place or prominence at the front of the Manual of Good Practice.

2. Implement a section within the Systematic Practice Review specifically dedicated to the topic of professionalism, not as a judgement of land surveyors, but as a general indication of the individual's understanding of professionalism.

3. Every member read, study, and analyse the Code of Ethics on a regular voluntary basis and take particular note of the sections headed by the terms "An Alberta Land Surveyor shall..." and "An Alberta Land Surveyor has a duty to..." I'm sure that a strict adherence to the Code of Ethics will do much to reduce the growing amount of text in the technical section of the Manual of Good Practice.

4. After completing step #3, all members put into practice all of those things outlined in the code that are not now being done to improve and fulfill one's knowledge, commitment, confidence, judgement, integrity, competence, and duty.

If each of us has the fortitude and dedicated integrity to embark on such a commitment, the dignity of our profession will indeed be enhanced by the increased and renewed flood of professionalism.

If at first you don't succeed, try a couple of times more.
Then quit; there's no sense in making a fool of yourself.
COMMENTARY
by G.K. Allred, A.L.S.

THE RISK OF RETIREMENT

Retirement—the time you can shed the stresses of day-to-day routine and decision making; a time when you can sleep in and spend all morning reading the daily paper; a time to pursue new interests and enjoy travel and leisure activities.

But how about the accumulated records and potential liabilities that have built up over the past thirty to fifty years? There is a mass of wealth in those records, but perhaps a few skeletons lay buried in those old field notes—an undiscovered error or two? What is the risk of retirement?

As a surveyor and public officer, you have a professional obligation to ensure that those old records are maintained and made available to those who may be affected by the evidence that they harbor. But what to do with them? Can a retired surveyor sell individual copies of his plans or field notes? Can he sell his files and plans to a practicing surveyor? The easy answer to these questions is "yes," you can do what you want. But the practical answer is beware of the risk inherent in unnecessarily exposing your family and estate to potential liabilities. I will attempt to discuss these issues with the intention of generating discussion and dialogue which may perhaps lead to some options or solutions to the risk of retirement.

Firstly, I believe it is accepted that a land surveyor has a professional, if not a legal obligation, to retain his field notes and other original records. Some provincial survey statutes specifically require that field notes be retained. Several professional associations make provision for the storage and/or indexing of field records in public or quasi-public repositories.

It is somewhat impractical for a retired surveyor to retain his records for more than a few years subsequent to his retirement. He is not likely to have the facilities for storage or copying records and in time, will likely lose interest in maintaining his files. At some point, his estate will have to deal with them and in all likelihood, they will be inadvertently lost or destroyed.

If a surveyor, whether retired or not, is requested to provide a copy of an old record, he may very well extend his liability by doing so. By providing a copy, it can be argued that implicitly, he is indicating that the record is true and correct, unless he takes very specific precautions to clearly and accurately define the restrictions inherent to its use. If he provides the copy for a fee, he may place himself in conflict with the provisions of his past actions professional liability insurance, or his status with his professional association. He may wish to only provide copies of his records to other surveyors who will presumably understand the implications that go with old survey records.

Most retired surveyors will not have the problem of disposing of their field notes, assuming that they are bought out by another firm. If however, a sole practitioner just closes his doors upon retirement, he may wish to dispose of his assets, including his field records to another survey firm. This may not totally absolve him of any potential liability however, he should be protected either under the new firm's professional liability insurance coverage or his own past actions insurance. He may even wish to clarify the liability question by way of a written agreement. Similarly, if the retired surveyor places his field records in an association or government repository, he should be fully protected under the CCLS past actions retirement insurance program.

We all recognize that as public officers, land surveyors have continuing obligations to society. We are responsible for the preservation of boundaries and the maintenance of the survey fabric.

Public registry systems go a long way to assisting the practicing surveyor and the public in maintaining a complete and accurate system of land registration. The private holding of deeds and other cadastral documents places an added burden on the holders of those documents and places society at a disadvantage when those documents are not readily available.

There are no perfect systems; there are exceptions to every rule. The private survey practitioner when facing retirement must weigh the risks and take whatever precautions that are reasonable. He must recognize the risk of retirement.

EXCLUSIVE INSURANCE PROGRAM FOR ALSA MEMBERS
Available To All ALSA Members & Employees!

HOME & AUTO INSURANCE
20 - 40% OFF

Also Available—Business, Life, Group & Disability Rates
For Information:
HOWARD AGENCIES LIMITED, Broker
Suite 315, 14925 - 111 Avenue NW
Edmonton, Alberta, Canada T5M 2P6
1-800-567-2048 tollfree
in Edmonton, phone 486-7798, fax 486-5757
QuickSurf 5.1

Contouring, Cross Sections,
Surface Modelling,
Volume Calculations for Surveyors
inside AutoCAD®.

The fastest.
Easy to use.
Easy to learn.

Available Now.
$1,195
for AutoCAD R12/R13
DOS & Windows 3.1/NT3.5/Win95.

QuickSurf is a trademark of Schreiber Instruments of Canada, Inc. AutoCAD is registered with the US Patent and Trademark Office by Autodesk, Inc.
Two Mules and a Skinner!

by Bob Riley, O.L.S., A.L.S. (Ret.)

Two mules and a Skinner! Contrary to brochures, that was what the change in the size of a survey crew truly needed to be when the first EDM devices came out.

Surveyors all over were excited about putting the lowly chainperson (a good one was a skilled technician) on the dole. Reduce the size of crews boys! You can charges less for doing more with the new technology. An impressive idea if you happen to be the management sitting in the office. To those who had to pack 12 volt batteries and generators over hill and dale and through mud and snow to power up the MRA 101 or Geodimeter 6, were less impressed. Many of the surveyors of today are not around to experience those days, and many of us who were the mules, have graduated to less physical positions and have forgotten. Besides it was fun! We were young, handsome and full of vinegar.

This time though, when the new technology brochures tell us we can carry a little antenna and hand held computer to a point and get its position, they are not kidding. It is physically possible for one person to do certain types of surveys.

It scares me to no end. Here is why.

In 1967, as a junior party chief, I was explaining a procedure to a young man who had just started that day. While I was talking to him, his eyes began to glass over, he started to sway back and forth and collapsed backwards. The other person on the crew and I caught him before he hit the ground and threw him in the vehicle. He was diabetic and had an insulin reaction. He needed medical attention, and fast. One person alone has no place in the field survey environment.

In 1977, I hopped in my truck and drove two miles to plumb a site. When I got back to the instrument, my instrumentman was on his back in the middle of the road having an epileptic seizure. I did not know that he was epileptic, and he thought his medical problem was under control. You cannot not hire someone because of a medical condition—especially if they don’t tell you they have the condition! One person alone has no place in the field survey environment.

In 1985, I was on a mountain about sixty miles S.W. of Calgary. I was carrying the usual equipment of a survey crew—shovel sledgehammer, bar locator, chain, flagging, prism pole (remember the mules!) and my instrumentman was carrying the total station. He had set the instrument down, and started walking towards the truck. Bingo! I had a diabetic working for me. It was all I could do to get him in the truck (he weighed well over 200 pounds; I weighed 150). I fed him half a cup of sugar and then it took me half an hour to get him to a tiny hospital where they pumped a liter of glucose into his veins. If he had been a technician working alone, he would have been dead—and I would have had legal problems to no end. One person alone has no place in the field survey environment.

Those are just three examples of times when two or more persons working together either saved the life of a crew person or prevented major problems of other types. These occurrences do not include the minor inconveniences such as losing my glasses while attempting to ward off bees and having to be driven home, or getting sick and having to be driven home 250 miles. They don't even mention the OLS I know of, who went out for a visual inspection of a job site, stepped on some ice, and fell and broke his ankle. His competitor was a professional though, and ran his office while he was healing.

Other surveyors have been less fortunate than I. Only once in my thirty year career have I had a crew person suffer a time loss accident. He came in the office one day, bent over to pick up a scrap piece of paper and put his back out. Accidents do and will happen! One person alone has no place in the field survey environment.

Recently I received a paper from our technical brothers and sisters at ASIT. It contained a reprint from the Professional Surveyor with a paragraph that starts, “the one-man field crew is becoming a reality.” As I read it, I got this knee-jerk reaction that made me either want to cringe or cry. My prophetic hat appeared out of nowhere, and I saw the glint in the eyes of surveyors as they visioned undercutting other surveyors with their latest technological toy by diminishing the crew to only one person.

The survey tools of the 1990s are great. The precision and product given to our clients is far and above what was produced only a few years ago. As professionals, we must not purchase this technology at the expense of anyone's safety!

We do not need any more rules in the survey industry and I am not proposing any. We do need to be aware of safety hazards though. One person working alone is a safety hazard. The professional surveyor should not be asking one person to go alone in the field to conduct surveys. Of course, there may be exceptions such as measuring up the inside of a condominium project. The technician asked to go alone should appraise the situation and, if they feel it is ill-advised, simply say "no". They have that power under our current laws in Ontario.

Some of those who have worked with me in the field will laugh at this letter. They are aware that I have committed my share of unsafe practices. Everybody does. However, there has always been someone around who at least can either get me to a hospital or bury my body so it won't be ravaged by the wolves.

REPRINTED FROM THE ONTARIO LAND SURVEYOR QUARTERLY FALL 1993
Lawrence A. Kluthe Appointed as Public Member on the Practice Review Board

Lawrence is involved in managing and assisting in the operation of a successful mixed farming business in the Morinville area.

A short history of his involvement in the public service sector is as follows:
- Member, Edmonton Regional Water Authority.
- Member, Sturgeon General Hospital Board #100 (1965-1975).
- President, Alberta Association of Health Units and City Boards of Health (1976).
- Chairman, Board of the Sturgeon Health Unit (1976).
- Member of Council, MD of Sturgeon (1965-1980).
- Vice Chairman of the Board, Metis Settlements Appeal Tribunal (1990-1994).

As a result of his extensive board experience, Mr. Kluthe has proven to be a valuable member of the Practice Review Board in the past number of months. His knowledge and expertise add a meaningful dimension to PRB deliberations and actions.

On June 21, 1996 Council of the Alberta Land Surveyors' Association appointed Lawrence A. Kluthe as the Public Member on the Practice Review Board.

GPS Total Station

With RTK (Real Time Kinematic) GPS systems from Trimble Navigation you can do everything a one-man total station can do – and a whole lot more! Here’s some of the advantages:
- You can work in the rain, fog or snow
- You don’t require line of sight between the base and rover units
- Greater range between points than conventional systems
- You don’t have to worry about moving parts wearing out or breaking down
- There are no optics to fog up
- You can use RTK for conventional surveys, traversing, layout, or even long range control surveys
- You can do airborne or marine surveys

Multiple RTK systems save you even more!

Best of all, with a Trimble RTK system you don’t have to leave your expensive base unit in the open, where it can get damaged or disappear!

For more information on TRIMBLE GPS SYSTEMS or to receive our new catalogue call:

Toll Free: 1-800-661-8342
Phone: (403) 437-7406
Fax: (403) 437-4079

Cansel
Survey Equipment
"The Professionals"

Vancouver • Calgary • Edmonton • Winnipeg • Toronto • Ottawa • Montreal • Quebec City • Halifax
ASSMT Message

PARTNERSHIP SUCCESS

The purpose of this article is to thank the Association for their ongoing Society support and the invitation to attend the events of the 1996 Alberta Land Surveyors' Annual General Meeting and Convention.

Members of the Alberta Society of Surveying and Mapping Technologies who have attended past conventions of the Association agree these meetings are informative and all members should attend. It is also an opportunity to meet other surveying and mapping staff as well as people behind the signature.

We believe the Association is on the right track when it provides support and encourages the involvement of technicians and technologists in the survey profession. As with business in the nineties, to motivate an individual, an employer will get the individual involved in the process of defining as well as executing the tasks to achieve the organizational goals. Your invitation and support gives the technicians/technologists a sense of belonging and the opportunity to contribute to the survey profession, making the difference between a job and a career.

We support the need for professional land surveyors and think the profession has a place and a need for the paraprofessional operating level.

In past years, the economy has been anything but stable. Subsequently, this has caused fluctuations in the membership numbers of ASSMT. The Society has seen many well trained and educated technicians/technologists lose to the survey industry because they needed a more promising career. The economy is only one challenge we face.

In your December 1995 issue of ALS News, Mr. Stephen Green, A.L.S. writes, "It will be a dark day for the Association if the public or politicians start to believe that we do not possess the sole expertise to fulfill our mandate". We too are concerned with this possibility. One main Society goal is "survival".

One reason we have survived and had a recent surge in ASSMT membership is due in part, to the support of the Alberta Land Surveyors' Association. I would like to recognize a few of the ways the Association has lent its support over the years.

ASSMT members are presently included in the mailing list of relevant information and publications from the Association. This is an excellent avenue for reaching the technologist in the field, who may miss survey industry news without the interaction with persons in the survey profession.

ASSMT has been invited by the Association to send a representative to the Professional Development, Legislation, Standards, and Public Relations Committees of ALSA. This allows our Society to inform our members of changes or issues that may affect them and gives your committees opinions outside that of the profession.

The Association has also played an important role with the appointment of Association members to the Society Panel of Examiners, the Certification Board, and the ASSMT Council. Professionals have participated in these roles since 1970.

Members from both organizations, assess new applications for membership, education evaluation, work experience, and establishing membership certification levels. The ALSA also provides ongoing professional guidance, information, and advice to ASSMT.

This partnership is needed, effective, working well, and is mutually beneficial.

A survey of our members has shown that the majority support a continued close relationship with the ALSA. We feel your professional support of ASSMT is necessary to build a more satisfying surveying and mapping career. ASSMT attracts, encourages, and tries to retain the valuable and skilled technologists to support your needs.

Our Society mission statement is:

"To promote the knowledge, skills, education, proficiency, and recognition of technicians and technologists involved in the field of surveying and mapping".

This enhances and supports the surveying profession and is a valuable contribution to the surveying and mapping community. Through working together, there are many important common goals that both our organizations benefit from.

Once again, on behalf of the members of ASSMT, I wish to thank the Alberta Land Surveyors' Association for their vision, professionalism, and ongoing Society support and recognition.

With this continued partnership support, we can all look forward to more promising careers, satisfied clients, and an improved surveying and mapping community. You have set an example for the rest of the surveying profession in Canada.

Maurice Fontaine, C.S.T.
President, ASSMT

Someone who thinks logically is a nice contrast to the real world.
Graduands from the Department of Geomatics Engineering will be available for employment as of May 1, 1996. They have strong skills in all aspects of geomatics engineering. Their resumés have been assembled in a single document by the Geomatics Engineering Student Society (GESS) and are available as a home page on the World Wide Web at http://www.ensu.ucalgary.ca/~gess

Job postings can be forwarded to: GESS, c/o Chris Tucker Geomatics Engineering, The U of C, Calgary, AB T2N 1N4 Canada (tel: 403-220-5834, fax: 403-284-1980)

The resumés of third year students seeking Summer employment are also located on the above home page.

SURVEY LAW in CANADA
available from the Alberta Land Surveyors' Association

$65.00 + GST
Tel: (403) 429-8805
Fax: (403) 429-3374

SMY DRAFTING ENTERPRISES LTD.
Suite 206, 10441 - 124 Street, Edmonton, Alberta T5N 1R7
Phone: (bus) 482-2054 (fax) 482-2054 (res) 487-2340
Contact: Ken Smy, C.S.T. (Senior Survey Technologist)

DRAFTING & GRAPHICS SERVICES
for surveyors, engineers & architects

Specializing in:
- LEGAL SURVEY & WELLSITE PLANS
- DRAFT & FINAL SUBDIVISION PLANS
- TOPOGRAPHICAL SURVEY PLANS
- STAKE-OUT PLANS
- MUNICIPAL, CIVIL & ENGINEERING DRAWINGS
- FIELD NOTE REDUCTION & CALCULATIONS
- ARCHITECTURAL DRAWINGS, ELEVATIONS & DETAILING

Computer Assisted Drafting
- precision input
- "LARGE PLAN" digitizing facilities
Report on the 91st Annual General Meeting of the Corporation of Land Surveyors of the Province of British Columbia

The 91st Annual General Meeting of the Corporation of Land Surveyors of the Province of British Columbia was held at the Ocean Pointe Resort in Victoria, B.C. on January 17, 18 and 19, 1996.

The meeting began with a Professional Development "Seminar" Day on Wednesday. Two seminars were presented during the morning session. The first seminar was "The Condominium Act—Common Problems for Land Surveyors" presented by Lynn Ramsay, Q.C. of Swinton & Company. The second was "Contaminated Sites—Environmental Legislation and You" presented by Frances Connell, Acting Director of Legal Services, City of Vancouver. Both seminars were very informative and well attended, as they addressed important issues of the day. In the afternoon, the CCLS Insurance Committee presented a "Loss Control Seminar" with an actual claim experience being reviewed. The land surveyor involved described in detail the cause of the claim.

All visiting Presidents were invited to participate in a National President's Meeting. The meeting was chaired by B.C. President, Mr. Dick Wright, with all visiting presidents given the opportunity to report on current issues in their respective provinces. These meetings are critical from a communications perspective as they provide a forum for direct interaction between our associations at the presidential level.

Wednesday concluded with a very elaborate icebreaker reception. The food was fabulous.

The business session opened on Thursday morning with President, Dick Wright, presenting his address to the membership. One of his concerns is the absence of women in the land surveying profession in British Columbia. He encouraged the development of a practice review program to stay in step with other provinces and offer continued protection to the public. Later in the meeting, the presidents from Alberta, Ontario, and Nova Scotia participated in a panel discussion on practice review. Each president made a short presentation and the membership then had an opportunity to question the panel. This discussion resulted in a motion to direct their Board to develop a strategy to implement a Practice Review Program and investigate possible methods of funding.

Public Relations is becoming a major initiative in B.C. This year, their budget was increased to $20,000. A communications firm, The Barkley Gazeley Group, has been retained to assist in the development of a Public Relations Plan.

The balance of the meeting contained committee reports, with a particular highlight being that life membership was bestowed on two long time members.

New members were presented with their certificates at the annual awards luncheon, and we were entertained by a very interesting talk on astronomical observatories. That evening, we attended the Wharfside Eatery for a Mexican Fiesta Night.

The business meeting concluded on Friday. Mr. Richard Hargraves was inducted as their new president and was presented with the "Spats". Congratulations to Rick and the newly elected Board members. That evening we were royally entertained at the President's Ball.

Jane and I would like to thank Dick and Linda Wright for their most generous hospitality and a wonderful year of friendship and travelling.

J.H. Holmlund, A.L.S.

ARCH ENTERPRISES
AND TRAINING ASSOCIATION
OF EDMONTON

9537 - 62 AVE.
EDMONTON, ALTA
T6E - OE1

Ph. 438-4347
Fax 437-6903

Producers of Top Quality....
-STAKES
-LATH
-HUBS

...at Competitive Prices!

All materials made from kiln dried spruce!
IN BUSINESS SINCE 1985
ALS Manual

The Alberta Land Surveyors' Association has combined the ALSA Manual into one binder.

The cost of the binder only, is $5.00 plus GST. The price for the complete ALSA Manual is $75.00 plus GST.

If you wish to purchase either of the above items, please contact the Association office at 429-8805 or 1-800-665-2572.

For Sale
Centennial Survey Videos

available from
The Alberta Land Surveyors' Association
2501, 10004 - 104 Avenue
Edmonton, Alberta T5J 0K1
Tel: (403) 429-8805 or 1-800-665-2572
Fax: (403) 429-3374
$10/copy plus GST

Thank You

While you were out we entered your property.

Reminder
Blank forms are available in pads of 50 from the Alberta Land Surveyors' Association.

If you wish to have your business card imprinted on these forms, please contact:

Rose Country Communications Ltd.
Tel: 451-5670 or 452-2890

Surveying & Engineering Field Equipment
Sales - Rentals - Repairs

Total Stations
Data Collectors, Theodolites,
Transits & Levels, Pipe & Cable Locators
Measuring Equipment, GPS Equipment
Hand Tools & Supplies

BUTLER SURVEY SUPPLIES LTD.

Edmonton
10032 - 79th Ave.
Edmonton, Ab T6E 1R5
Bus. (403) 433-2596
Fax. No. 433-2040
Toll Free 1-800-661-8816

Calgary
3927 - 3a St. N.E.
Calgary, Ab T2E 6S7
Bus. (403) 276-5587
Fax. No. 277-8090
Toll Free 1-800-661-1129

Richmond
Unit #1 11460 Voyageur Way
Richmond, BC V6X 3E1
Bus. (604) 278-1719
Fax. 278-2804
Toll Free 1-800-667-5944
GET A PIECE OF THE PIE FOR PEACE OF MIND!

GROUP EMPLOYEE BENEFITS PLAN

- Available to corporate members of A.L.S.A
- Multiple plan designs help you meet your specific needs
- Favorable Benefit Limits and Coverages
- Volume-based rates and enhanced services available to companies of any size
- Administration and consulting services

To Obtain Information and/or a Proposal

PLEASE CALL OR WRITE:

Ross & Associates Consulting Ltd.

Suite 210, 4936 - 87 Street
Edmonton, Alberta
T6E 5W3
Phone: (403) 465-3366 Fax: (403) 465-4351
Toll Free: 1-800-463-3121
Introducing basic data collection at its best...for less:
the productive new Topcon FC-48 Data Collector.

For these quality Topcon products, and many more, visit your nearest Norman Wade Company Limited location:

#9, 1135-64th Avenue S. E.
Calgary, Alberta
T2H 2J7
TEL: (403) 253-8410/FAX: (403) 259-4401

10545-108th Street
Edmonton, Alberta
T5H 2Z8
TEL: (403) 426-0410/FAX: (403) 420-1120