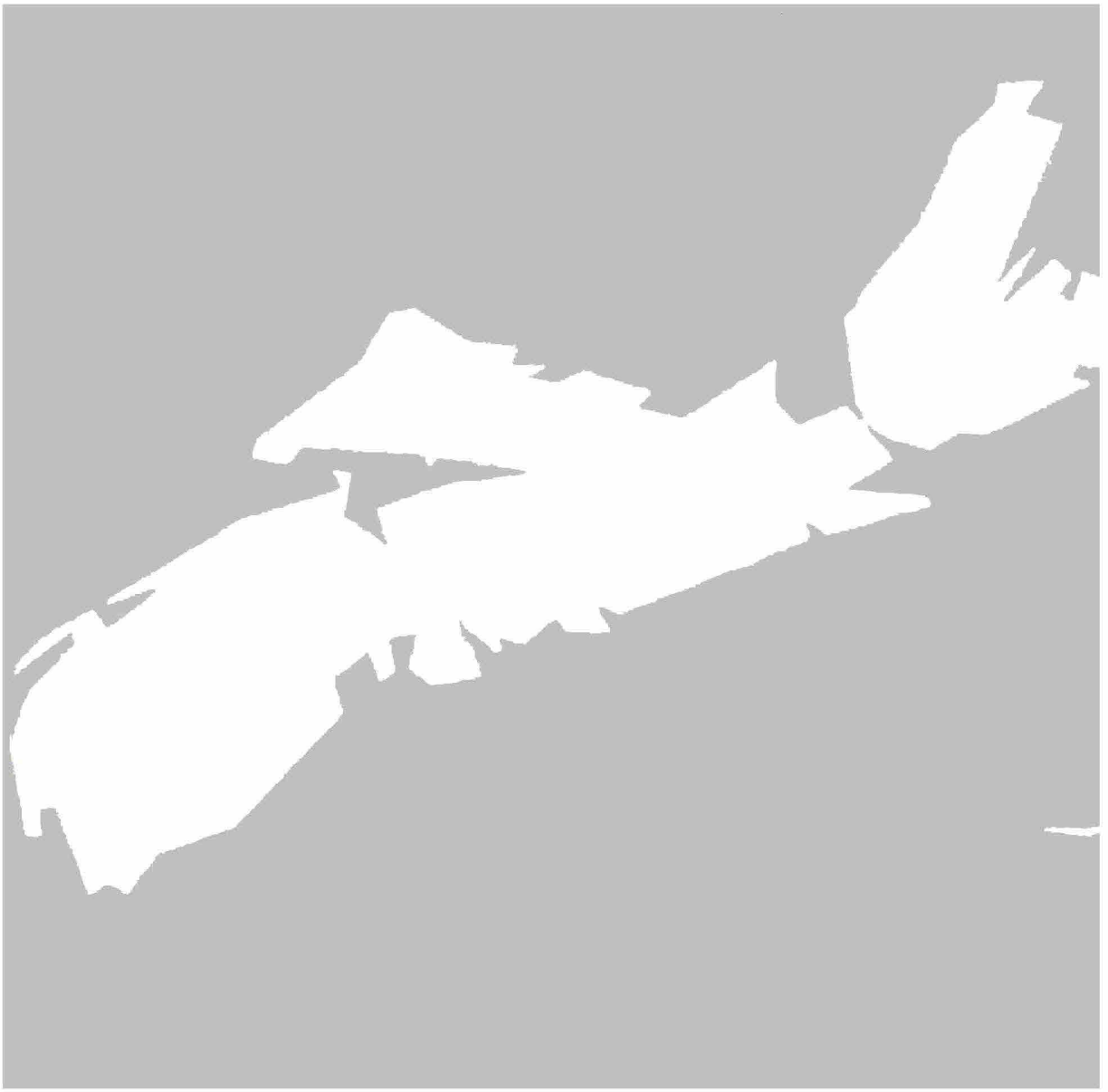
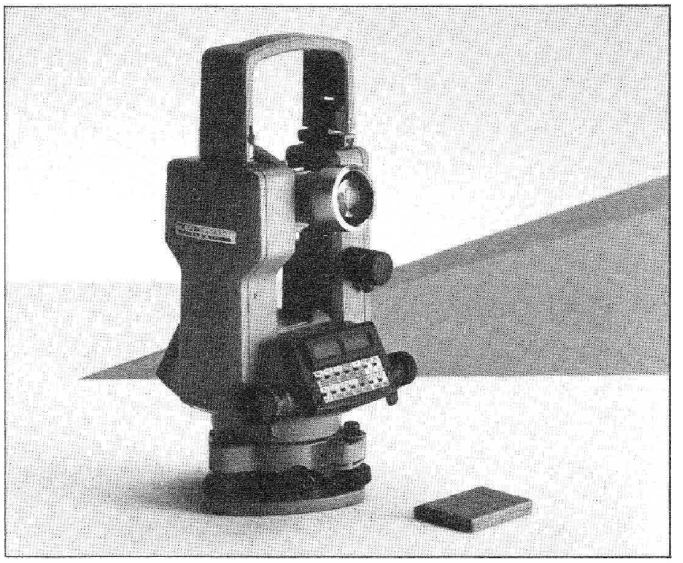
The NOVA SCOTIAN SURVEYOR



WINTER
1988

WILD NEW T1600/TC1600

ON BOARD DATA COLLECTION



High angle-measuring accuracy
- Accurate single-face measurements.
- Automatic compensation of circle eccentricity.
- Standard deviation: 1.8″/0.5 mgon.

Plug-in data module (REC-module)
- For about 500 data blocks
- Interchangeable
- Recorded data can be displayed.

Choice of two models
- Dual keyboards and displays (both faces).
- Single keyboard and display in position 1, data module in position 2.

Integrated COGO mathematical functions
- ∠ and ∠ between last two measured points.
- Resection and area computations, if REC-module is fitted.

Direct computer control
- On-line control via interface from computer.

Records in tracking mode

...with practice-tested performance features

Modular system
- Compatible with any Wild DISTOMAT and data terminal to make an electronic total station.

Contacts in the right places
- Socket for data terminal and external battery in fixed bottom section.
- No cables to tangle.

Instantly ready to measure
- Absolute angle-scanning system needs no time-wasting initialization.

Easy to use
- Practice-tested colour-coded keyboard.

ALL key
- Press a single key to measure **and** record.

Small, light, and handy
- Weighs only 4.5 kg (10 lb).

Low current consumption

Comprehensive range of accessories
- For any type of survey task.

WILD LEITZ

Wild Leitz Canada Ltd., 513 McNicoll Avenue, Willowdale, Ontario M2H 2C9
Tel: (416) 497-2460 Twx: 610-492-0485 Tlx: 06986-560 Fax: (416) 497-2053

Wild Leitz Canada Ltd., 3600 Kempt Road, Halifax, N.S. B3K 4X8
Tel: (902) 429-5369 Twx: 610-271-1979

The NOVA SCOTIAN SURVEYOR

Published four times a year by
THE ASSOCIATION OF NOVA SCOTIA LAND SURVEYORS INCORPORATED

David C. Clark
President

Murray J. Banks
Vice-President

Howard K. Wedlock
Secretary

Address all communications 159 Portland Street, Dartmouth, N.S. B2Y 1H9
Telephone No. (902) 469-7962

Founded 1951 Incorporated 1955

Vol. 47 WINTER 1988 No. 129

EDITORIAL STAFF OF THE NOVA SCOTIAN SURVEYOR

Editor ..... Michael J. Crant
ASSOCIATE EDITOR ..... Dennis A. Jones
ASSOCIATE EDITOR ..... Marcelin S. Chiasson
LEGAL ..... James F. Doig
ASSOCIATION AFFAIRS ..... Howard K. Wedlock
HISTORICAL .....
TECHNICAL .....

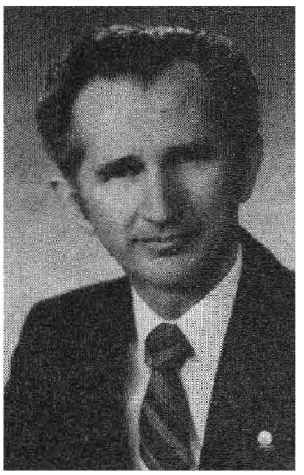
ADVERTISING ..... Michael J. Crant
PRODUCTION ..... Murna MacKinnon

Non-members may subscribe to The Nova Scotian Surveyor at the yearly rate of $12.00 in Canada and U.S.A.; $16.00 in Foreign Countries, plus handling charges.
Prices effective January 1983, Vol. 42.

** C O N T E N T S **

Views expressed in articles appearing in this publication are those of the authors and not necessarily those of the Association.

PRESIDENT'S REPORT	D.C. CLARK	3
FROM THE EDITOR	M.J. CRANT	7
ASSOCIATION NOTES	H.K. WEDLOCK	8
MINUTES 37TH ANNUAL MEETING	H.K. WEDLOCK	9
PHOTOS - CONVENTION '87		32
FROM THE FIELDBOOK	M.S. CHIASSON	34
NOTICE RE: CROOKER, HUTCHINSON & ASSOCIATES LTD.		37
AWARD OF DISTINCTION		38
COURT DECISIONS FROM THE MAINE SOCIETY OF LAND SURVEYORS		40
PHOTOS - CONVENTION '87		42
MEMBER CHARGED BY A.P.E.N.S.		44, 46
1988 ORGANIZATIONAL CHART		48
EXECUTIVE AND COUNCIL		49
ROLL OF MEMBERS		50
ROLL OF STUDENT MEMBERS		58
SURVEY RECORDS FOR SALE		59



A month and a half has now passed since the Annual Meeting in November, and I would like to report on the state of Association activities. Following the close of the 37th Annual Meeting on Saturday afternoon, your new Council met, with all members present. This first meeting was concerned primarily with the formation of several new committees resulting from motions at the Annual Meeting, and with making appointments to the Board of Examiners and to the various standing committees. Due to the time consuming nature of staffing some committees, this matter was deferred to the Executive to complete before the end of December.

The two new committees created by Council were an Errors and Omissions Committee to investigate and develop new regulations to provide a legal procedure whereby amendments and cancellations may be made to previously approved Survey Plans, and a committee to investigate the formation of a Survey Tribunal Body for the purpose of adjudicating boundary line disagreements.

A completely new item of business initiated by Council was the appointment of Vice President Murray Banks to investigate, and prepare a proposal, regarding the formation of a Professional Services Review Body within the Association. Murray will be travelling to Toronto in early January to visit the office of the Association of Ontario Land Surveyors to learn how their Survey Review Department works in the checking of plans and surveys before submitting his recommendations to Council.

Other matters to come before Council were the recurring problems of members living in one zone while working in another, and the suggested formation of a Land Surveyor/Architect Liaison Committee. In this latter subject, I have written to the President of the Nova Scotia Association of Architects to determine whether there is any interest from their side in this regard. The problems regarding zones and zone boundaries will require time to solve since the zone boundaries are spelled out in the Nova Scotia Land Surveyor's Act and any changes must be considered the next time the Act is amended.

Councillors in each zone were supplied with a copy of a videotape entitled, "The Surveying and Mapping of Canada", prepared by the Canadian Institute of Surveying and Mapping. This is an excellent movie on surveying as a career, and is intended for public information. It is an excellent source of information and could be used for showing by any member who is invited to make a presentation at a high school career day. To borrow the video simply contact your Zone Councillor.

Early in December, a half day meeting of your executive was held in Dartmouth to carry out some of the nitty-gritty business of the Association. A good part of this meeting was taken up with the organization and staffing of the Committee Structure. The staffing of our committees has required a great deal of time and many phone calls by Howard. I want to take this opportunity to thank everyone who volunteered to work on a committee and those who agreed to be chairmen. I will be taking it upon myself to write to several of the Chairmen to familiarize you with my objectives for the year.

It is my hope that we can inspire our committees and get more people involved in various activities. The key person in each committee is the Chairman and he has to be enthusiastic about what he has to do. By establishing definite objectives to accomplish, I think we can generate the level of activity that is necessary to create more interest and greater participation.

The third weekend in January is the first out-of-province convention, when Deanna and I will be representing this Association at the 35th Annual Meeting of the Association of New Brunswick Land Surveyors in Saint John. This will be followed by the Association of Ontario Land Surveyors Annual Meeting in Toronto in late February. I consider the opportunity to attend conventions of sister Associations to be one of the best perks of the position of President. These Annual Meetings are not only social events to meet new friends, but they also provide the opportunity to learn first hand how other Associations operate, and are a forum for exchange of ideas and new solutions to common problems.

I am finding this position to be a real learning experience and have gained a greater appreciation of the business and problems of operating a professional Association. It is a pity that more members cannot be convinced to want to share the experience. I have great aspirations of things to accomplish, but I am finding the greatest drawback is time, especially working a full time job with an employer whose interests are not connected with Land Surveying.

The next meeting of Council is scheduled for Saturday, January 16, 1988. Besides regular Council business, I have added several new items to the Agenda for discussion. The first subject that I intend for Council to consider is how the Association may enhance communications to the membership. I feel that in these times of rapid change in both technology and attitude, we must find better ways of keeping posted on the workings of the Association and all matters relating to the Land Surveying profession.

Another area for consideration is the general subject of continuing education. One of my personal objectives for the year ahead is to encourage the active participation of members in Continuing Education programs, in order to maintain and further develop our professional status. With this in mind, I have asked the Continuing Education Committee to provide even more opportunities to update the professional skill and knowledge of Land Surveyors through zone meetings, publications and seminars. The Association has been approached by CISM and CCLS to sponsor a seminar "How to Set Up a Land Information Business", and by U.N.B. to promote their symposium on "Mining Surveying and Deformation Measurement". COGS has kindly offered the services of their staff and faculties to cooperate with the Association in presenting seminars for Land Surveyors if popular subjects can be determined. Council will consider these and other proposals as part of our discussion.

In mid-January I will be attending the first of a series of zone meetings that I hope to visit over the coming year. I have asked Councillors to revitalize the zone meetings in order to attract a greater participation. I believe that Land Surveyors getting together at zone meetings is an especially important function of the Association and we should make every effort to get more of our members to attend. These meetings are an opportunity not only to find out what is happening within the Association but are a means to provide input and suggestions to Council.

Council needs the input and enthusiasm of the membership to motivate us to greater efforts ourselves. With involved and dedicated people, we will accomplish many of the jobs that need to be done. I ask you to give us a chance - attend meetings, participate, ask questions, make suggestions, volunteer to help - make your councillor work! If you think that things are not happening quickly enough, attend your zone meeting and ask why.

I recently sat in on a meeting where the discussion centered on the present status of the Land Surveying profession and what the future holds in store. The discussion included how we got to be where we are, whether we are where we should be, and what we want to be in the future. It was stated that we must formulate a philosophy on what we want to be and where we want to go.

We have several paths ahead of us and we must choose the one we want. We must deal with the future, now! No longer can we remain "hung up" on land boundaries. We can be what we want to be but each path will have its own difficulties. Personally, I feel that the future of our profession lies in becoming more involved in the broader areas of land tenure, land stewardship, land information and land management.

In conclusion, I am optimistic about the future of our profession. I feel there is still time for us to develop new directions and new horizons. We may have to overcome reluctance from some of our members and there will be opposition from outside bodies. The future is still bright however, for Land Surveyors willing to expand and develop a wider range of professional services to the public. I believe that our membership will develop to meet the needs of a changing society and that the Association will continue to grow and flourish.

David C. Clark, NSLS
President

* * *

EASTWARD

DRAFTING SUPPLIES LIMITED

COMPLETE LINE OF PRODUCTS FOR THE ENGINEER, ARCHITECT, SURVEYOR, DRAFTSMAN

AUTHORIZED K+E DEALER

- *Leroy technical pens & templates*
- *drafting, media & white print paper*
- Nikon *Survey Instrument & Equipment*

95 Akerley Blvd., Dartmouth, N.S. Telephone 465-3971

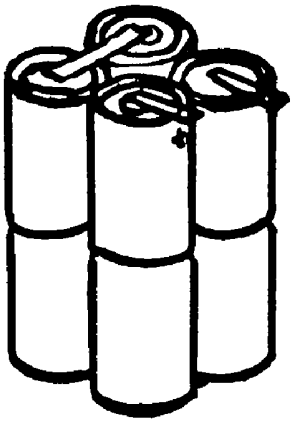
BURNSIDE INDUSTRIAL PARK

Complete line of Dry Cell Batteries including

SURVEY EQUIPMENT PACKS

We manufacture **custom** Battery Packs utilizing the highest quality cells and electronic welding available which will match or exceed the original pack specifications.

Save the old field equipment battery and housing for description purposes and CALL TODAY . . .



- Walkie-Talkie Batteries
- Emergency Light Batteries
- Pager Batteries
- Dry Cell Batteries
- Flashlights & Lanterns
- Re-Chargeable Nickel Cadmium
- Custom Battery Pack Manufacturing

ACADIA BATTERY SUPPLY

DIVISION OF ACADIA SUPPLY COMPANY LIMITED

40 THORNHILL DRIVE, SUITE 3
BURNSIDE INDUSTRIAL PARK, DARTMOUTH,
NOVA SCOTIA, CANADA B3B 1S1
(902) 465-5191
FAX: (902) 468-2614

As your new editor, I would like to take this opportunity to wish all of you a prosperous year in 1988. I have served on the staff of the "The Nova Scotian Surveyor" for the past 12 years, and look forward to the future in my new capacity.

Many thanks to previous editor Dennis Jones for his dedicated years of service to our publication.

The bulk of this issue is taken up with the minutes of our Association's 37th Annual Meeting, and the Roll of Members.

The success of future issues depends directly on the input we receive from you, the Members. If you have an idea, suggestion, article or story, please send it in. I'm sure that your fellow surveyors would like to hear from you.

The task of locating and compiling relevant articles is a never-ending job. With your support, that job could be made much easier.

On that note, I would like to express my appreciation to our regular contributors, Marcellin Chiasson, Jim Doig and Howard Wedlock, whose contributions are a valued part of "The Surveyor".

Michael J. Crant, N.S.L.S.
Editor

G.H. Compton Insurance Agency (1975) Ltd.

Professional • Liability

SCIENTIFIC INSTRUMENT FLOATER RIDER

ERNEST A. NICKERSON
B.COMM., F.I.I.C.
PRESIDENT

865-5222

579 Sackville Drive
Mailing Address
P.O. Box 167, Sackville, N.S. B4C 2S9

LICENSED LAND SURVEYOR OR SENIOR INSTRUMENT PERSON

Permanent Position Open, Please Contact:

RITCHIE F. MacINNIS SURVEYING
610 East River Road, New Glasgow
Pictou Co., Nova Scotia
B2H 5C8

PHONE: (902) 752-4077

Also, would like to purchase a used Wild T-16 Theodolite.

* * *

S T O L E N

WILD N-2 LEVEL

Serial # 154995

If you have any information on the whereabouts of this level please contact:

ALDERNEY SURVEYS LTD.
327 Prince Albert Road
Dartmouth, N.S.
B2Y 1N7

PHONE: (902) 465-7300

* * *

L I A B I L I T Y I N S U R A N C E

The Association office is compiling a list of members who hold insurance in accordance with the Annual Meeting request. We now receive copies of insurance agreements between members or firms and Leslie, Wright & Rolfe Limited.
If any member or firm is insured with any other company, we would appreciate receiving that information.

* * *

N O T E

Next years Annual Meeting will be held on November 17 - 19, 1988 at the Best Western Glengarry, Truro Trade & Convention Centre, 150 Willow Street, Truro, Nova Scotia, B2N 4Z6.

* * *

THE ASSOCIATION OF NOVA SCOTIA LAND SURVEYORS

Minutes

of the

37th Annual Meeting

Held at the Chateau Halifax, Halifax, N.S., November 13-14, 1987

FRIDAY, NOVEMBER 13, 1987

President James called the meeting to assembly at 9:15 a.m. and introduced the City of Halifax Mayor Ron Wallace. Mayor Wallace spoke of the historical background of Halifax and wished the members a successful meeting.

President James then introduced the Honorable Joel Matheson, Minister of Mines & Energy for the Province of Nova Scotia, who welcomed members and guests to Halifax and spoke of the contribution that the Association has made in cooperation with the Provincial Planning Department. He wished the assembly a most successful meeting.

President James welcomed guests to the meeting in Halifax and expressed his hopes that delegates and their wives would have a pleasant visit to Nova Scotia.

The following delegates came to the microphone and brought greetings from their Associations and wished the assembly a most productive meeting.

Alberta -- Lou Bretton
Ontario -- Larry Maughan
Quebec -- Roger Arsenault
Saskatchewan -- Jim Condon
New Brunswick -- John Quigley
Prince Edward Island -- Brian Potter
Newfoundland -- Cliff Hawco
C.C.L.S. -- Wayne Brubacher
M.A.L.S.C.E. -- James P. Lapsley
C.I.S.M. -- President John McLaughlin
Surveyor General of Canada--Represented by R. Semper.

Mr. Semper brought greetings from the Surveyor General and introduced the Regional Chief Surveyor, Mr. Clayton Mitchell.

The following Exhibitors were then introduced to the assembly:

Maritime Tel & Tel Data Systems
Micro Survey Marketing International Inc.
Wild Leitz Canada Ltd.
Westward Industries Ltd.
J.P. Morasse Inc.
Eastward Drafting Supplies
Kern Instruments of Canada Ltd.
Sokkisha Canada Inc.
Webber Enterprises Ltd.
Norman Wade Co. Ltd.
Pentax Canada Inc.
A G A Geodimeter of Canada
Maritime Graphic Arts
Land Registration and Information Services
Business Bits and C.P.U.
University of New Brunswick

President announced the death of Mr. Wally Wyman, Past President of MALSCE, and that a scholarship fund is being set up in honor of Mr. Wyman; donations received by Secretary, Mr. E. Anderson. A minute's silence was held in memory of Mr. Wyman.

The Secretary reported that there were over 68 voting members present and that the quorum requirement was satisfied.

The Secretary, H.K. Wedlock, moved the adoption of the Minutes of the 36th Annual Meeting as published. There being no revisions or corrections the minutes stand approved as printed.

REPORTS

The meeting continued at this point with the presentation of the various annual reports as they appeared in the Fall Issue of the Nova Scotian Surveyor.

The Executive Secretary, H.K. Wedlock, updated his report. New members, Stephen Howard and Bruce Mahar; one additional resignation, Mr. William Piggott; other membership statistics were reported as follows in the age group of:

21	years to	25	years	No members
26	"	30	"	28
31	"	35	"	56
36	"	40	"	61
41	"	45	"	45
46	"	50	"	44
51	"	55	"	34
56	"	60	"	19
61	"	65	"	26
66	"	70	"	10
70	"	and over		2

The Secretary then reviewed the published Financial Statement, pointing out that overexpenditures were largely due to the high cost of legal fees encountered this year.

The Budget for 1987 - 1988 was then reviewed by the Secretary and after discussion the Secretary moved adoption of the Budget as presented. Seconded by Al Wallace. Motion carried.

C.C.L.S. Report by D. Woolnough.

Complaints Report by J. Conn -- Discussion on the time taken to process complaints took place. Ivan Macdonald stated that surveyors must get the requested material to the committee much faster than now being handled.

Paul Harvey questioned whether or not it is the Complaints Committee's duty to deal with differences of opinion between surveyors.

John Conn, Chairman of the Complaints Committee, stated that when a written complaint is received it must be investigated and once reviewed it can then be determined whether it should be referred to the courts or settled by the committee or referred to Discipline.

A.N.S.L.S./C.O.G.S. Report by Vice President David Clark.

Discipline Report by A. White.

A.N.S.L.S./Barristers Report by M. Chiasson.

Survey Standards Report by E.J. Webber. Bob Daniels asked if there was any improvement in the quality of plans received as a result of the notices of deficiencies sent out by the Survey Standards Committee.

Mr. Webber stated that considerable improvement has been shown.

Public Relations Report by Past President Don Parker.

Regulations Report by K.P. Aucoin.

W. Rayworth asked what stage the Regulations were in now. Ans. They have been submitted to Governor-In-Council for approval.

Board of Examiners Report by A.F. Chisholm.

Glen Crews spoke on his court case against the Board of Examiners rejecting proposed articleship and stated that the processing of his case took much longer than necessary.

John MacInnis -- Most of Mr. Crews' accusations are inaccurate.

Al Wallace -- It would be beneficial to the profession if the main points of the case and the Judge's decision could be summarized and published in the Surveyor.

Ivan Macdonald queried the publishing of Mr. Crews' letter on Page 43 of the Fall Issue. He queried as to whether it was in order to print this letter as there is a motion to be presented which concerns material in the letter and a rebuttal of the letter was not possible.

President James -- This matter will be debated when the Notice of Motion is presented.

Robert Ashley, an articling student, spoke on the subject of the Board's authority to make rules for an articling student and further stated that the Board does not have the authority to make these requirements. He also stated that Council makes requirements and the membership and the governor-in-council have the authority to approve them. He referred to the Board as being made up of four members.

John MacInnis moved the adoption of the Board of Examiners Report as published on Page 27 of the Fall Issue 1987 and it was seconded by R. Feetham. Motion carried. (3 opposed).

SCRUTINEERS REPORT

PRESIDENT	David C. Clark
VICE PRESIDENT	Murray J. Banks
COUNCILLOR, ZONE 2	Derik DeWolfe
COUNCILLOR, ZONE 3	Richard Greene
COUNCILLOR, ZONE 5	Dennis Jones
COUNCILLOR, ZONE 6	David Steeves
COUNCILLOR, ZONE 6	Ken Whalen

1 Spoiled Ballot
2 Returns from Zone 1 (No Councillor election required).
3 Returns from Zone 2 (Acclaimation).
2 Returns from Zone 3 (Acclaimation).
6 Returns from Zone 4 (No Councillor election required).
19 Returns from Zone 5 (2 Councillors, One elected each year for Two-year period).
38 Returns from Zone 6 (4 Councillors, Two elected each year for a Two-year period).

70 TOTAL

Respectfully submitted,

Gerry Bourbonniere

Brian MacIntyre

Paul Zinck

Howard K. Wedlock

The Secretary moved adoption of this report,seconded by John MacInnis.

President James congratulated the successful candidates and thanked others for allowing their names to stand for office.

Motion to accept the report was passed. Motion to destroy the ballots by John MacInnis, seconded by A. Wallace. Motion carried.

Mr. L.R. Feetham spoke on the Long Range Plan for the Association on which he has been working for the past year. He named his committee and as directed by Council his committee's aim is to project our Association into the 21st Century.

Mr. Feetham quoted from a British Columbia meeting on the future of the Land Surveyors as follows:

> The private Land Surveyor to better serve the public requires a much expanded involvement if he is to perform as a successful land manager, he should incorporate some of the functions of the engineer, lawyer, planner, architect, land economist, environmentalist, and other similar vocations in addition to his measuring abilities. This interdisciplinary approach will see the evaluation of the Land Surveyor as the leader of the land management team.
>
> The Alberta Mission Statement was considered to be all encompassing and read as follows:·
>
> To ensure the ethical provision of integrated professional survey services which assures reliable extent of the title and land related data such that an accurate survey framework exists to facilitate development and preserve the peaceful and lawful enjoyment of land success being determined by public confidence in the profession and the well-being of membership".

Mr. Feetham stated that his committee felt it would be very difficult to improve on this statement.

He quoted from a paper given at a C.I.S. Conference in May 1985 - where it stated that there is no land management profession as such in Canada requiring input from a group of multidisciplinary professionals. This profession must be created by the land surveyor.

The establishment of an umbrella organization is necessary in order to progress in the field in which we have chosen.

Mr. Feetham stated that we already have this body in place in our C.C.L.S. organization.

Changes in education and in our Act must take place in proceeding with this future plan. Mr. Feetham referred to his report in the Fall Issue of the Nova Scotian Surveyor 1987, and thanked other contributors for their efforts in helping him achieve his goal.

Wayne Brubacher, President of C.C.L.S., spoke on the make-up of C.C.L.S. Consisting of all provincial associations, incorporated 12 years ago, one scheduled meeting per year, ten members and ten directors. Motions are passed at the executive level, distributed to members and directors of C.C.L.S. who are expected to discuss these motions with their Council and come prepared to vote on these motions at the Annual C.C.L.S. Meeting.

He spoke on the Liability Insurance Policy developed by C.C.L.S., the National Accreditation and Reciprocity Policy, dealing with universities--four now generally recognized, one other which must be looked at very seriously. Accredited Universities include U.N.B.; University of Toronto (Erindale); Laval; and University of Calgary request now under study; The University of Alberta is also under study.

Reciprocity deals with the standardization of the evaluation of students or practicing members wishing transfers.

The National Procurement Policy concerning the restrictive trade practices commission (dealing with fee guidelines) and method of pricing.

C.C.L.S. has in many cases intervened in matters dealing with the government, when asked to do so by the provincial associations.

C.C.L.S. has co-sponsored with C.I.S.M. the Survey Law Text which will be available this spring. Co-sponsor Seminars on the text is planned after the book becomes available.

Terravue, the annual C.C.L.S. publication, will be distributed early in January. Other projects include continuing education, policy statements, and woodlot surveys. A statement will be prepared on the ramifications of the information that is available from Geographical Information Systems (GIS). The information that comes off is calculated and does not necessarily represent what is on the ground and only a professional should comment on interpetation.

C.C.L.S. has been contacted by the Department of External Affairs asking how many surveyors might be interested in trading their jobs, and houses for a five year term of surveying in Australia.

A proposal has been made to assemble a text for Realtors and Financiers which would serve as a guide from a surveyors point of view.

Self funding liability insurance is under study by the C.C.L.S. executive with a target date of 1989 for all provinces. The basic principle is that the first $50,000 or $100,000 would be carried by C.C.L.S. and above that amount would be carried by an insurance company. This will be on the next meetings agenda and Directors will be expected to speak for their Councillors and vote on the issue.

Mr. Brubacher reminded the assembly that C.C.L.S. is a body to serve members as opposed to the Association whose aim is to serve the public. He cautioned members not to take short-cuts in performing their surveys, he stated that this only increases the liability premiums and also increases the possibility of cancellation of the insurance policy and can affect the entire Association in the eyes of the insurer. Standards only cause problems with those who are taking short-cuts in performing surveys.

Quality documents and quality surveys must be produced in order to serve the public in a proper manner. A high standard of professionalism will follow and all concerned will be the benefactors.

President James thanked Mr. Brubacher for his C.C.L.S. report.

The meeting continued reviewing reports as published in the 1987 Fall Issue of the Nova Scotian Surveyor.

Editor's Report, Page 27, by Dennis Jones.

Statute Committee Report, Page 28, by Murray Banks.

Survey/Engineers Report, Page 29, by Barrie Hebb.

C.C.L.S. Director's Report, Page 30, by Howard Wedlock.

Mr. Al Wallace asked if the policy papers published by C.C.L.S. could be published in the Nova Scotian Surveyor.

The Director will carry out this request.

The Survey Profession Report, Page 32, by Marcellin Chiasson.

Zone 3, Annual Report, Page 34, by Richard Greene.

Atlantic Board of Examiners, Page 35, by Wolfgang Faig.

Stephen Howard asked if the Board could work with U.N.B. to see if some of the courses taken for Atlantic Board exams could be used as credits at U.N.B. towards a Survey Engineer Degree. At present they do not credit any courses.

John MacInnis said Mr. Howard's comments will be passed on to other members of the Board.

Errors & Omissions Committee by Ken Robb. This report did not make the publication and is as follows:

During the past year, our President Mr. James Gunn,appointed me to head up a committee to investigate and outline a procedure respecting the Amendment for Plans containing errors and omissions.

It is the feeling of many of our members, that we need a legal procedure in conjunction with the Government of the Province of Nova Scotia and the Association of Nova Scotia Land Surveyors, whereby corrections can be made to existing plans that are filed at the various Registry of Deeds Offices, without the fear of legal liability.

Since this is a new field for Nova Scotia Land Surveyors, I felt that I should write to every Land Surveyors Association in Canada and obtain the benefits of their procedures and knowledge.

After some delay I received responses from:

1. The Alberta Land Surveyors Association.
2. The Saskatchewan Land Surveyors Association.
3. The Ontario Land Surveyors Association.
4. The Quebec Land Surveyors Association.
5. The Canadian Institute of Surveying.

From the information I received, I feel my committee can begin their work on the first phase using some of this information as a background here in Nova Scotia.

The procedure that we should follow would fall in two basic categories.

a. The procedure respecting Amendments to Plans (Registered), plans that contain errors and omissions that do not alter the boundary lines of property would be the most easily corrected or amended i.e. incorrect ties to co-ordinate monuments, bearings and distances of any line or lines. Plan references, abuttors incorrectly identified, Titles of Plans, additional information required and not drafted on original plan, meridian arrow incorrect, etc.

These types of errors or omissions could be corrected by the Land Surveyor at his or her own expense and adequate copies made for filing and registry purposes. A notice to the Registrar of Deeds,outlining the reasons for re-registration, together with a copy properly revised, dated and signed. A fee of $35.00 for re-registration purposes. Since the amendment or amendments do not alter boundary lines there would be no need to involve the Local Planning Board for Approval. In Nova Scotia we would require that L.R.I.S. and Local Planning Authorities be notified and an additional copy of the revised plan sent for their records. This procedure would require a change or amendment to the Registry Act as the Registrar would have to register the plan and place a "notice of change" on the original plan so that title searchers would "pick up" the changed plan. The Land Surveyor would be required to alter the Legal Description at his or her own expense when required. The Surveyor would also be required to sign a certificate that the changes do not alter the location of boundary lines. It is our intention to assume that no legal liability should lie against any Land Surveyor for filing a plan of amendment.

This basic procedure should be put in place first because it will be less cumbersome and faster to implement than the cancellation of plans.

b. The second procedure for the Cancellation of plans, is more difficult and would be used when boundary line re-locations are involved. In these cases the property rights of individuals are usually affected. Many responsibilities and assurances are required. Consider the following:

1. Building locations, Municipal By-laws affected.
2. Owners affected.
3. Delays created for re-subdivision of area affected.
4. Affected area may involve a proposed building.
5. Title abstracts could be affected.
6. Mortgage Certificates issued could be affected.
7. Adjoiners property interests could be affected.
8. Tax Payments may be affected.
9. Consent of Municipal Planning Board.
10. Streets could be affected.
11. Easements, rights-of-way, lanes, etc.
12. Municipal Affairs.
13. Minister of Transportation.
14. Lot sizes - Department of Health.
15. Public areas, Parks, Playgrounds,Walkways, etc.
16. Nova Scotia Power Corporation, Railways, etc.

All of these are serious matters and a more elaborate procedure would be required.

The surveyor would be required to file an application or petition for cancellations, setting forth all the facts such as:

1. Owners affected (notified and consent obtained).
2. Buildings and physical items affected.
3. Title affected.
4. Mortgage Certificates affected.
5. Planning Board re-approvals requested.
6. Removal or re-location of any streets, lane or right-of-way, power poles, telegraph poles, pavement curbs, sidewalks, underground services.
7. Lots to be exchanged, eliminated or changed.
8. Area affected re-posted.
9. New plan of area.

Since the reasons for a cancellation vary, it would be necessary to outline the method to be followed. If physical features are not involved the procedure would be much simpler. The same would hold true if streets, lanes, rights-of-way, easements etc. are not involved. In general, it would be best to have the surveyor make the cancellation application and assume the job of re-posting and re-filing a new plan. If the surveyor is deceased, or otherwise unable to proceed, then the Council of the Association of Nova Scotia Land Surveyors may be required to act. There may be cases where a petition may be supported by a new plan filed at the same time. Fees charged for the cancellation process would have to be set and appropriate forms drafted to cover an affidavit of the Surveyor and a petition for cancellation.

All of the above will require a lot of meetings at the committee level, then further meetings at the zone level and further meetings with Council, the Attorney General's Office and the Annual Meeting, where the membership can exercise their vote. Upon approval by the members, the new regulations must then be sent to the Governor-In-Council for approval.

It is my sincerest hope that we can be successful in putting the first phase of these regulations in place for our next Annual Meeting and the second phase in place a year from then.

I will be looking for 3 committee members to assist me and ask that any of you willing to serve, to please contact me at this convention.

Comments on Mr. Robb's Report.

Al Wallace asked if there is a procedure in place now in any other province.

Mr. Robb stated that Saskatchewan has a procedure which appears to be working very well--one of the best in his opinion.

Ontario and Quebec also have a procedure set down.

M. Chiasson moved that all reports be accepted as presented, seconded by R. Feetham. Motion carried.

President James called the assembly's attention to the Notices of Motion distributed to the membership. He called on Murray Banks to present his Motion item "B" as follows:

Murray Banks: I move adoption of the following resolution:

Resolved that the annual fee for holders of a certificate of authorization in accordance with Section 19(5)(e) of the Act and Section 8.4 of the proposed By-laws, be set at $25.00 per annum, seconded by A. Comfort.

Mr. Banks spoke on the motion stating that this was mostly an administration fee and that an annual certificate would be issued to show that the companies authorization to practice is of a current nature.

George Sellers asked if the cost was reasonable and what the benefits were.

President James stated that this matter was reviewed by Council and they felt that $25.00 was a reasonable charge.

Al Wallace is in favor of the Motion. Probably the original intention was to make an annual charge. This will also help from an administrative view as well as financial.

John Pope spoke against the Motion. Cannot see any need for this charge.

A query from the floor regarding legal charges was answered.

President James stated that the Association engaged our solicitor to defend one of our members on a charge by APENS of practicing engineering. As this affected all members, Council agreed to support our member.

President James stated that this comment does not concern the Motion.

Ken Robb spoke in favor of the Motion and stated that $25.00 was not an exorbitant sum of money. Motion carried.

Murray Banks spoke regarding the Notice of Motion item "C". I move the adoption of the following Motion:

Resolved that the Annual Dues be increased from $275.00 to $310.00 effective October 1, 1988, seconded by Kirk Hicks.

Murray Banks spoke on the Motion. Cost of operating continually increases and referred to the budget for the coming year where it shows that a dues increase is necessary.

Council reviewed this increase and based on figures supplied by the Secretary/Treasurer agreed with the proposed increase. Motion carried.

The President interrupted the review of the Annual Reports at this point and called on Larry Maughan, President of the Ontario Land Surveyors, to speak on procedures carried out in Ontario regarding the monitoring of survey plans by the Association.

Mr. Maughan stated that two years ago the government asked the Association to take over the responsibility of monitoring plans. The membership agreed and the ministry granted $100,000.00 to aid the Association in setting up their own system.

A committee made from regional groups was formed to develop a modus operandi for the department within the Association in which to function. The system is financed by a sticker seal which must be purchased from the Association at a cost of $15.00 and this seal must appear on all plans filed in the Registry office.

This Survey Review Department is made up of three Ontario Land Surveyors and one clerk. Random checks are made and each firm is checked at least once a year.

Also there is a comprehensive review made in different areas where the review officers examine all office procedures.

The whole system is carried out with the aim of improving the product delivered to the public.

Mr. Maughan concluded by saying that the operation is functioning well this year with a budget of $250,000.

President James then called on Keith AuCoin to present the Notice of Motion regarding the Board of Examiners.

Be it resolved:

WHEREAS A recent court decision limited the Board's jurisdiction to establish rulings, and

WHEREAS the Board unanimously agree on the need for regulations to help administer terms of articles for students.

BE IT RESOLVED THAT

1 A student may only enter into articles with a member practicing in Nova Scotia who has a minimum of five years experience as a Nova Scotia Land Surveyor and who is in good standing with the Association.

2 Only one student at a time may enter into articles with a member practicing in Nova Scotia who is in good standing with the Association. If however, it can be shown that the member can devote significant time to articling two students simultaneously, the Board shall have discretion to register the articles of both students. No more than two students can enter into articles with a member at the same time.

3 The minimum length of articles shall be:

a) Two years for all articled students who do not have a certificate of qualification from the Atlantic Board but who have received credit for completion of Parts I & II of the Atlantic Board's Syllabus of Examinations. At least one year of a student's articles shall be served after the student has received a certificate of qualification from the Atlantic Board. No articling time will be approved for a student before completion of Parts I & II of the Atlantic Board's Syllabus of Examinations.

b) One-half year for a professional land surveyor duly qualified in another Province and who holds a certificate of qualification from the Atlantic Board.

c) One year for a professional land surveyor duly qualified in another Province but does not hold a certificate of qualification from the Atlantic Board.

Moved by K.P. AuCoin, seconded by J.C. MacInnis.

Keith AuCoin spoke on the Motion stating that over the 37 years of the Board's operation many items which the Board had to deal with fell between the Act and the Regulations and therefore the Board developed policies to cover these cases as they arose. The five year period was probably chosen in line with the Barrister's Society Policy.

Mr. AuCoin referred to item 2 of the Motion when situations arose where as many as 3 or 4 students were attempting to article under one surveyor. The Board recognized proper articleship could not be carried out and therefore developed their present policy.

As to item 3 this is part of guidelines developed by the Board three or four years ago and concerns the same subject as 1 & 2.

Mr. AuCoin stated that these rulings were necessary to help the Board carry out their duties. He stated that the revised regulations have gone to the Minister of Lands & Forests hopefully on to the Governor-In-Council for approval. This year the admission to membership was withheld and that whole package will have to be reworked, based on the court decisions, this will probably happen within a year or year and a half.

These three items affect the operation of the Board and thus are presented to membership at this time.

Stephen Howard spoke against the Motion stating that the rulings are too rigid and restricts new members licenses. He suggested surveyors with more than five years experience with expertise in separate areas could let their names stand as consultants; the newly licensed surveyor would then call on these consultants and liaise with the Board.

Mr. Howard also spoke against the Motion requiring the student to article one year after receiving his Atlantic Board Certificate. This extends the time required especially if the student does not go through University.

Glen Crews spoke against the Motion. He said that we must make the surveyor more than a technician. The standards must be raised so that the Licensed Surveyor is competent in all facets of surveying.

Robert Ashley, a student member, spoke against the Motion. The five-year rule does not necessarily guarantee quality articles. He said in order to insure quality articles, it should be stated exactly what duties must be carried out by the student.

He said limiting the number of students a surveyor can article is a restriction on the surveyor;he indicated that there are some surveyors who are quite capable of articling one to a dozen students but there are some who shouldn't article any. The length or articles should be more flexible according to Mr. Ashley.

Mr. Robb spoke in favor of the Motion. The first year of practise is difficult and demanding of the surveyor and requires his full attention. An apprentice would benefit much more from an experienced surveyor drawing from the surveyors knowledge that only experience can give.

Philip Milo spoke against the Motion. He referred to the A clause of No. 3 which was not clear in his mind. However, he agreed with the principle involved. He stated that a package should be presented to Council for approval relating to the Board of Examiners requirements for admittance to the Association.

President James stated that it is the intention to have these items written in our Regulations and the only way that this can take place is by having them passed at an Annual Meeting.

Mr. Wallace said that he is sympathetic to the objectives of the Board, however, he has difficulty saying to a surveyor that you are now qualified to serve the public however your are not qualified to assist someone else to reach that position. I believe the Motion should be defeated; however this Regulation should in some way be tied into the Certificate of Authorization to practice. All surveyors who are serving the public should be required to have a certificate of authorization and perhaps one would have to be licensed for five years before one would qualify to get a certificate of authorization.

Lou Breton, President of Alberta Land Surveyors spoke on the Motion. The same problem exists in Alberta. We have a two-year period requirement before the surveyor can article a student. They are concerned about the quality of articles and have rules in place including interviews with both the student and the surveyor.

Ken Whalen spoke against the Motion. He said the rule would be detrimental in a court case where the surveyor with less than five years experience would be looked upon as not being equal to one of longer experience.

Mr. MacInnis said that firstly he must say yes this is a stop gap measure subjugated by the recent court decision. He said that if we don't accept this motion or something very close to it then the door will be wide open for about two years until we can get this package together concerning admittance. We have a package with which we are now working where sections have been challenged and we are now trying in a proper way to close part of this gap. We do not have time now to put together the whole package which eventually must receive membership and government approval.

George Sellers spoke against the Motion stating that he feels a lot of pressure concerning the Motion. If we don't vote in favor we will be real dirty. There are many surveyors who are not qualified to article students or do the work that they are supposed to do. This is a prejudiced Motion.

Bob Daniels said that he sympathizes with both sides but as worded cannot support the Motion because it is time oriented.

The Board has the authority to test the candidate and determine if his is qualified. The Board is our stop gap measure and if they are not satisfied with the candidate they have the power to make a rejection.

The Motion should be reworded and laid out properly either by the Board or Council or another committee so that it will allow the Board the power it needs to carry out its duties.

Dave Roberts spoke in favor of the Motion. The Board has presented this Motion to the membership so that it can do its job and in a year or two bring back a more complete set of regulations.

Larry Maughan, President of the Ontario Land Surveyors spoke on the Motion as a former chairman of the Board of Examiners. He stated that the Board has a great responsibility in performing its duties. They must make an assessment of a potential member on behalf of the Association which ultimately will reflect on the whole membership. When a surveyor takes on a student for articling purposes it is a responsibility, not a right.

The student must also respect the wisdom of the Board and each case from my experience appears to be different. The Board must lay rules down for many unforseen situations and handle them by their own discretion.

Marcellin Chiasson agreed with Bob Daniels. I wonder if the Motions were reworded such that the Board would have the power to put into effect those rules without specifically naming each item?

President James said he couldn't answer that question.

Kevin Fogarty spoke on the Motion stating that he holds an Atlantic Board Certificate and is a graduate of Survey Engineering at U.N.B. He articled under two different surveyors for a total of nine months; then moved to another province obtaining his license and under the 6 month articleship reciprocity policy would qualify as a Nova Scotia Land Surveyor. However, he was notified by the Board that he must serve the six months after receiving the P.E.I. license and no credits for the nine months served under the two year requirement would be given. He stated that this matter should be looked into to see if credits could be granted to that time served as in his case.

Lloyd Taylor stated that the Association has spent a great deal of money in court cases or preparing for cases and it would appear someone else could challenge the Board in another area and again we would be faced with more court cases. It would be much better he said if we had something to vote on which would offer protection against a potential court case. The Board has always had my respect and I would not like to see them get into another situation like this past case.

J. Condon, President, C.C.L.S., with regard to the Western Board and also the C.C.L.S. It was mandatory for one to have five years experience as a land surveyor before one could be grandfathered in obtaining a C.L.S. The Western Board of Examiners now measure five years experience for out of province candidates before a certificate of completion is granted. So there seems to be an experience requirement and he agrees with that policy.

Mr. Condon referred to public ads for jobs. Many state "At least five years experience required". Needless to say experience must count--it has to count; its been used in employment and selection of personnel over the years.

In Saskatchewan we allow two students to article at one time with a surveyor.

Athol Grant said he was concerned with the operation of the Board for the next two years or until Regulations are in place. Could we put something in the Motion to add under the last whereas "Whereas the Board needs direction for the next two years to carry on its duties be it resolved that while new Board regulations are being drafted as stated in the Motion."

Kirk Hicks spoke against the Motion. However he was in favor of the principle concerned with the matter of discussing powers of the Board.

Robert Daniels had a question for the Board. If a potential candidate comes to the Board with Technical papers, article time, and project complete, is there anything other than what he has on paper which would allow the Board to refuse admittance to the Association?

Keith AuCoin responded by stating that the reason this Motion is before the members today is to take the subjectivity away from the Board. Categorization is necessary in order to process the variety of cases. As the result of the court case we realize things must be spelled out in black and white. Section 12 of the Act dealing with articles was mentioned.

Section 87 of the Regulations spells out that article time shall "not be less than three months and not more than three years as prescribed by the Board".

Also the Board does have guidelines for students as a result of the change in educational requirements made in 1980. In these requirements percentages of time is set down relating to (1) Boundary Retracement, (2) Boundary Establishment, (3) Location Certificates, (4) Control Surveys, and (5) A variety of categories pertaining to office practice. All students articling are aware of these guidelines. These guidelines are shaped so that students are able to see what they must do in order to complete their articleship.

The Motion gives the Board the authority to say that a two year period is required rather than the three month--three years stipulation. In answer to a previous comment; no pressure is being exerted by the Board regarding this Motion; it is placed before the membership to be voted on in a normal fashion; however, if passed it will make the Board's operation much easier.

It is not the intention of the Board to come running with one regulation at a time to the members with proposed revisions. The Board is looking at redoing the whole package dealing with admission to membership and when completed will be presented to Council and membership for approval and on to the Governor-In-Council. With regard to No. 1 there was a comment "restricting the license of a land surveyor"; this is not a restriction on a land surveyor, but rather it is a requirement of the student.

The motion is open to a amendment or any suggested change.

Regarding comment about going to court and finding that one is discredited because of the number of years of experience--should not be of any concern because once qualified to practice, you are qualified. Lawyers have the same situation.

Doug MacDonald spoke in favor of the Motion. C.C.L.S. is continually monitoring universities to make sure the educational standards meet the requirements; therefore, it follows that the same process should continue relating to articleship. We must be assured that students are being provided with the proper indepth experience. At least this motion gives us something in the short term. I would like a review of the whole matter for a more comprehensive study. There are many surveyors right across Canada who are not capable of articling students. However, I believe this motion is in the right direction.

Robert Feetham spoke against the Motion. He believes it is discriminatory. He doesn't think this case should ever have reached the courts. This infighting causes serious problems he said.

The Board should be complimented in trying to now close the door after the horse is out. However, he believes it is too late. He would be prepared to vote for an amendment or some other package.

President James called for a vote on the Motion. 21 For; 28 Against. Motion defeated.

SATURDAY, NOVEMBER 14, 1987

(60 Voting Members Present)

President James called the meeting to assembly at 9:20 a.m. and introduced Mr. James F. Doig, Chairman of the By-laws Committee.

Mr. Doig spoke on the proposed changes made to the By-laws, many made as a result of the legalistic age in which we now live. He referred to the overexpenditure of his committee as shown in the financial statement however, he went on to explain the requirements for legal opinion in re-drafting the By-laws.

He stated that the By-laws which support the Act and Regulations will serve as a good foundation when in a few years the Act and Regulations will again come up for revision; good established practice will be recorded and contain points which can be used to improve the Act and Regulations.

Mr. Doig announced that he has agreed to chair the committee again for 1988 and bring in Stage Two of the By-laws which would complete the Revisions.

Mr. Doig referred to Draft #5 which has been circulated and discussed at Zone Meetings during the year and Revised as each change was proposed.

Further revisions to Draft #5 were made by the assembly as follows: It was moved by M. Chiasson and seconded by E. Rice that 1.4(c) Strike out "the member...to such vacancy" to read "where a vacancy on Council is caused by a resignation, suspension, or any other reason, the Council may appoint a member from that Zone to act as Councillor until the elections at the next Annual Meeting". Motion carried.

Section 5.11 Refer to legal opinion on wording regarding eligibility of members to vote regardless of the members status.

Mr. Doig drew attention to Section 8.7 where no period of grace is allowed for annual fees due from Holders of a Certificate of Authorization.

Section 11.2 Moved by Al Wallace and seconded by Alan Comfort that Section 11.1 be revised as follows "insert "after meeting" "speak on Motions" to read "Student members shall be entitled to attend general meetings,speak on Motions, and receive all publications of the Association.

Keith AuCoin stated that a matter which is being voted on concerning the Act or Regulations should be spoken on by voting members only. Other matters which do not concern possible changes to the Act or Regulations could be addressed by others.

Doug MacDonald spoke against the Motion. Business items are the concern of members. Students should attend meeting; it is a learning experience for them. They should be allowed to speak at the meeting but should not be allowed to speak on a Motion.

Stephen Howard spoke in favor of the Motion, stating that students may have a unique view for presentation to the assembly.

Jeff Fee spoke in favor of the Motion stating that student concerns are important before they become a member.

Ivan Macdonald spoke against the Motion, agreeing with Keith AuCoin and added that the chair may call upon other Association representatives for their opinion, and would like the prerogative left to the chair to direct the meeting in such a way that constructive comments would be accepted from other provinces.

Harold Lively spoke against the Motion. The student member has access to any part of the meeting through the member under whom he is articling.

James Gunn spoke in favor of the Motion. He felt that we should not turn our backs on comments which may contribute to arriving at a proper decision in our deliberations.

Alan Comfort spoke in favor of the Motion. Student membership is a valuable and necessary part of our Association. In his opinion students can often provide valuable information.

Bob Daniels spoke against the Motion. The Association should be governed by its members, and decisions should be controlled by members; however, information on matters should be accepted by the chair. A non-member should never express whether they are in favor of or against a Motion.

David Roberts spoke against the Motion. He agreed with Bob Daniels. He could not recall any person being turned down because he was not a member. The student will no doubt be heard; however, only a member will have the right to speak.

The chair called for a vote on the amendment. Amendment Defeated.

Retired Membership: 13.1 Moved by M. Banks and seconded by M. Chiasson that 13.1 be amended as follows:

Retired membership may be granted upon application in writing by the Secretary to: (a) a member who has reached age 60, or (b) by the Council to a member unable to practice, owing to long term disability. Motion carried.

Section 14.3 Marcellin Chiasson stated that he is making a Motion that was previously passed at a Council Meeting.

I move that Section 14.3 be amended as follows: Associate Members should pay 25% of the annual fee paid by members. Seconded by Keith AuCoin. Motion carried.

Al Wallace said that the Survey Standards Committee may exceed their budget if our new president's suggestions are carried out. I hope overexpenditure will be allowed in this case.

David Roberts said that he is concerned with the fact that we just approved a budget and that already we are talking about exceeding it.

It was pointed out that Council must approve overexpenditures.

The forms presented for approval in conjunction with the By-laws were made up by the committee in accordance with the Act and Regulations. Additional forms were added in an effort to standardize material going out of the Association office.

Stephen Howard commented on Form 6. There should also be a form advertising reinstatement. This suggestion was noted by the chair.

Form 8 -- Given under the corporate seal of the Association _____ (omit the word "Dartmouth").

John MacInnis commented on the order of signatures on the forms. This matter will be looked into by the committee.

David Roberts asked if the committee looked into mandatory continuing education, professional development, etc.

James Doig stated not in this package; this will be a topic for Stage Two of the By-laws.

Fred Hutchinson stated that the forms refer to specific sections of the Act. This may change from time to time. Maybe we should refer only to the Nova Scotia Land Surveyors Act.

Mr. Doig said that the solicitor will be contacted regarding this point.

Murray Banks suggested that maybe we could make it more complete by adding the words "Chapter 13 Revised Statutes 1986".

This will be taken under advisement by the committee.

The chairman called for the question concerning amendments to the By-laws Draft #5 and amendments as made at this Annual Meeting, moved by James Doig and seconded by Richard Greene. Motion carried.

President James assumed the chair and thanked Mr. Doig and his committee for their excellent work on the By-law revisions.

President James introduced our newly elected President David Clark.

President David Clark's address to the assembly:

> Somewhere outside, there is a bumper sticker that reads "this is the first day of the rest of your life". We are all going to leave this 37th Annual Meeting shortly and begin the rest of our lives. Are we going back home to "business as usual"? Come Monday morning, will we put everything aside that we have heard this week? Or are we going to think and act just a little bit differently? Are we going to think and act any more professionally?

Those of us here today as members of this self-governing professional body, known as the Association of Nova Scotia Land Surveyors, are professional Land Surveyors! Perhaps some of us have trouble believing that, and sometimes we have trouble making others believe it. It is true though, and all we need is self-confidence - and the will to make it work. The recipe is simple: we provide professional services, conduct our business in a professional manner, communicate with clients and the public with a professional attitude, and present ourselves to our clients and the public with a professional image.

Back in the "good old days", the services of a professional were regarded with some mystique, and to some extent, he was revered by society. All of us here can think of the names of Land Surveyors from the past whom we have admired; surveyors who have contributed much to the profession and to the history of our country. Let us now work with an attitude and an image which will command the respect of our fellow citizens.

We have reached a stage in the life of this Association, when we must reassess our position and try to predict and plan for our future. We must ask where our profession stands, what the future holds in store, and what directions we should take to go where we want to go. Should we embark on new courses of education, and should we upgrade our individual qualifications with continuing education programs? Should we loosen up our membership qualification requirements or expand our Association to include related disciplines? Should we be preparing to provide a broader range of land information and land management services to the public?--It is my intention during the coming year to promote the development of a long range planning process, so we can forecast the directions in which the Association must move in order to fulfill the needs of future Land Surveyors!

Several years ago, we raised the educational requirements for qualifying new Land Surveyors in this province. This upgrading resulted from a feeling of the membership that the education standards were too low and professionalism was suffering as a result. It now requires a Bachelor's Degree from an approved surveying course and up to three more years of apprenticeship to become licensed as a Nova Scotia Land Surveyor.

Should we now take a second look at the implications of these changes and determine if this route is still relevant? Are land surveying candidates being adequately trained for the role we perceive for the future? With a university degree, is a long period of apprenticeship really necessary nowadays? Are we losing excellent potential members of the Association because of too strict requirements, and is membership going to decrease because of retirements not being replaced? Are our priorities in the right place to best serve the public?

We can be what we want to be--it is up to us to decide! If we feel new directions are in order, it is up to us, this Association, to call the shots. It is up to the Association to advise the educational institutions of the direction education must take for the future role of the Land Surveyor.

One of the objectives of this Association encompassed in the Nova Scotia Land Surveyors Act is "to establish and maintain standards of skill and knowledge among its members". In recent years, the Land Surveyor has been subjected to changes in technology affecting his business and the standards of his professional services. It is clear that the Association and individual Land Surveyors must ensure that professional knowledge and expertise is continually updated.

The ramifications of not taking effective action can be summarized as follows: 1) the weakening of the Land Surveyor's professional status; 2) the loss of traditional work; 3) the loss of new high technology areas of work; and 4) an unacceptable scale of fees for professional services rendered.

A function of this Association is to provide opportunities for Continuing Education for the membership through zone meetings general meetings, seminars and publications. It is up to the individual Land Surveyor to commit himself to pursue a professional development program of his own. He must make an assessment of the services he provides and decide on the particular areas in which it is advisable for him to expand his knowledge. If no courses are available in a particular field of need, it can be a function of the Association to provide or sponsor this instruction--I intend to ask Council to reaffirm that Continuing Education is a priority and to ensure that seminars and short courses of instruction are provided.

Surveying is one of the world's oldest learned professions. It had its beginnings in primitive times in the rude sketches on cave walls of game trails and water hole locations. This profession of ours has survived the passage of time, evolving, diversifying, and dividing, up to the present day.

In Europe, and many other parts of the world, the Land Surveyor has developed to meet the needs of a changing society. Land valuation, land planning and management, mineral and timber evaluation and disputed boundary adjudication are but some of the areas in which these surveyors are legally qualified to practise. Here in North America, Land Surveyors were so busy during the last century laying out new lands for settlement, that they had little time or inclination to concern themselves with the future of the profession, or to organize themselves into professional bodies. Educational opportunities in surveying were limited, and the common method to acquire a commission was to serve an apprenticeship with another Land Surveyor. This was rarely a means of developing new techniques and new areas of expertise.

When Land Surveyors finally got around to forming Associations, the legislators relegated them to what was left over after other professions had identified their responsibilities. In most provinces and states, this was simply to create and identify land boundaries. Even our own definition of professional land surveying does not give us legal jurisdiction in any other areas.

So, what are the options open to us for the future? Do we wish to expand our profession, or at least expand our horizons? Should we consider opening up Association membership to other related surveying disciplines? Should we try to change our definition of land surveying and fight to take back some of the ground that we have lost to other professions?

It is my feeling that one way or another, we must take a more aggressive approach toward expanding our horizons. Instead of spending money to defend ourselves in court, let us take the offensive. Let us take the initiative and start preventing some of these others who are carving away at our livelihood. This past summer, crews were brought from Quebec to run survey lines for geophysical surveys. A survey crew was brought from Britain for a marine construction layout job. Our government is allowing the woodland boundary renewal program to be carried out by forest technicians, and highway Boundaries to be established by engineering technicians. These are only examples of areas where Land Surveyors could be involved but are losing by default. Are we content to let this continue? Are we prepared to take action against this type of practice?

As Land Surveyors, we have just entered a crossroads and are standing in the middle, undecided. One direction will lead us to legal censure for doing what the law will not permit; one direction is a dirt road where we do all the fieldwork for other professions, and the other direction is under construction, but it leads to a broader range of land tenure, land information and land management service to the public.

In my address this afternoon, I have tried to stimulate your thinking on the role of this Association and your future as Land Surveyors. I have touched on several subjects which are, or will be, contentious. I have posed questions which I ask you to take the time to consider. If you feel strongly on one subject or another, I hope you will make your opinions known to your Councillors. I hope you will really want to become involved and will work toward your favorite goal!

In closing, I want to thank you for the opportunity to assume this position. I have set several objectives for the coming year which will initiate extra work for some of our Committees. I am optimistic that we can excite a greater interest in the affairs of the Association and motivate a greater participation!

President Dave asked Past President James to continue in the chair for the balance of the meeting.

President James announced that the meeting is now open for new business.

Glen Crews moved that the membership condemn the practice of limiting the public option to retain the surveyor of their choice and that the appropriate tribunal of the Association be encouraged to regard such actions as a breach of Article 8(c) of our Code of Ethics and act accordinly, seconded by Jerry Borden.

Doug MacDonald stated that some developers have in their agreement of sale certain items to control the asthetic value of the development. If some survey firm or individual has approached the developer to have a convenant placed in the agreement relating to surveys, it could more logically be handled by lodging a complaint against the surveyor as opposed to dealing with it in this overall form.

Al Wallace stated that the Act and Regulations are already in place and a complaints committee who can deal with an item such as this one. Some developers encourage buyers to get the necessary services from one particular firm. No exclusive rights are given, name of firm is not mentioned in the covenant. It is more convenient for the developer to deal with one firm rather than various companies. We have no control on this procedure and he believes the motion is out of order.

Harold Lively stated that Mr. Crews mentioned that the names of the firms were listed re restrictive covenants.

Mr. Crews stated that he has not read of these convenants although numerous clients stated that they did not call him because they have been restricted to use another company.

Wayne Brubacher commented that in Ontario surveyors will specialize in housing and give a price if every marker is in place. i.e. Price is set for that particular builder under certain conditions.

Lloyd Taylor asked if this was a common occurance or is it a specific instance. If the latter is the case then the Association has a method to deal with it.

John MacInnis stated that what we are dealing with is something which is defined in our Act and because of that it may well be that the Motion is out of order.

Fred Hutchinson stated that if Mr. Crews cannot produce documents to support his claim then the Motion is out of order. We cannot deal with something that he is suggesting that is in existence and may not be able to produce it.

The chairman asked Mr. Crews if he could support his claim by document.

Mr. Crews conceded defeat.

The chairman ruled the Motion out of order.

This will be taken under advisement by Council.

Ken Robb spoke on the topic of establishing a land court in Nova Scotia. Presently there are no facilities in the courtroom to lay out plans or to have use of office equipment.

It would be an advantage to be able to discuss problems with one versed in survey procedures. This could best be established by having an experienced land surveyor on the Tribunal together with a judge and a third person of an independent nature. Cases could be heard in a preliminary stage in a semi-formal manner. The right to appeal any decision would exist.

Ken Robb moved that Council be directed to establish a committee to study and recommend, if appropriate, the establishment of a land court and bring recommendations to do so (if appropriate) to the attention of the Governor-In-Council of the Province of Nova Scotia. Seconded by John MacInnis.

Wayne Brubacher spoke on the Ontario Boundaries Act which is along the same lines as suggested, and recommended that it be reviewed before setting up the proposed committee.

Marcellin Chiasson supported the Motion and believed the legal profession would also be in favor of this proposal.

The Motion was voted on and the Motion was carried.

David Roberts moved the following Motion:

Whereas the financial status of the Land Surveyor directly impacts on his ability to stand behind his work should a successful lawsuit for damages result from a service he has performed, and

Whereas some members of the Barristers Society have expressed a desire to know which land surveyors have professional liability insurance, I move that the Secretary compile a list of these members and firms who carry professional liability insurance for distribution upon request to interested parties. Seconded by Al Wallace.

Doug MacDonald stated that it would be more useful if the premium essentials be stated such as maximum deductibles, etc. The mover agreed.

Vote on the Motion was called. The Motion was voted on and carried.

Ken Robb pointed out that one of the plans on display which was submitted to the plan contest was a Department of Transportation submission setting out the boundaries of roads but was not signed by a Nova Scotia Land Surveyor. Although the Department's Act may allow this action, our Association should protest this procedure and press the government to make a proper change to the Act. Therefore, I move that the Association set up a committee to study the preparation of survey plans and establishment of boundary lines by a person or persons who are not members of the Association of Nova Scotia Land Surveyors in good standing. Seconded by Doug MacDonald.

Doug MacDonald stated that he has been on our Liaison Committee with the Department of Transportation and they genuinely believe that they are not creating boundaries when they are creating highway limits. They recognize a boundary is created if severance is necessary and acknowledge that a land surveyor must be involved in that type of transaction.

Stewart MacPhee stated that this plan submitted is typical of all Department plans and subject to Crown immunity and in that particular case I believe it would be difficult to enforce the proposed change.

Stewart MacPhee stated that he was concerned with unqualified personnel establishing boundary lines especially woodlot boundaries. He stated that a complaint went to the executive three months ago about an individual operating illegally in Cape Breton and to date the letter has not been acknowledged.

Past President James stated that his letter has not gone unnoticed. We have acted on the letter and it was an oversight that you were not informed of our progress, he said.

James Gunn reported that C.C.L.S. have reiterated their commitment to resolving this problem and have asked for more information. He stated that he and Doug MacDonald will have documentation ready for the February meeting of the C.C.L.S. Executive.

Fred Hutchinson spoke on the Motion explaining the subdivision by instrument now in force in Nova Scotia. He said our Association did not do sufficient lobbying when this matter was under discussion. He stated individual members should contact their provincial representatives when such items are proposed which are detrimental to land management.

A vote on the Motion was called and was carried.

Ken Robb reported that his firm has been charged by the Association of Professional Engineers of Nova Scotia (A.P.E.N.S.) with practicing engineering, under the Engineering Profession Act relating to the preparation of plans and profiles and will be looking for support from the Association.

Past President James thanked Mr. Robb for his information and stated that Council will be following this matter very closely.

Harold Lively stated that two years ago there was a Motion passed at the Annual Meeting which would have enabled a member to run for a Council office in the Zone within which they primarily work in addition to the Zone within which they reside. He stated that he expected this would have been dealt with in the last amendments to the Act. This must have been overlooked by the Committee and asked that it be taken into consideration on the next revision.

Survey Plan Contest E.J. (Ted) Webber, Chairman of the Plan Contest, announced the prizes in the following categories:

Student Category. Plan No. 6 prepared by D. Chiasson, C.O.G.S. Prize--Pen Set donated by Maritime Graphic Arts.

Condominium Category. Plan No. 2 prepared by Rod Humphreys. Prize--Pen Set donated by Norman Wade. This is the third year that this firm has won first prize.

Retracement Category. Plan No.1 prepared by Dennis Prendergast. Prize--Pen Set donated by Westward Industries.

Subdivision Category. Plan No. 9 prepared by Rod Humphreys. Prize--Package of drafting supplies donated by Eastward Drafting Supplies Ltd.

Government Category. Plan No. 1 City of Dartmouth signed by Lawrence Miller. Prize--Pen and Knife Set donated by Wild Leitz of Canada Ltd.

At this time the new Council for the coming year was introduced and received a hearty round of applause.

Parting remarks were made by the following guests:

Lou Breton, Alberta, expressed thanks for hospitality and extended congratulations to President David Clark and Vice President Murray Banks. He welcomed visitors to their Annual Meeting scheduled for April 22, 1988.

James Condon, Saskatchewan, Past President C.C.L.S., congratulated the newly elected officers and expressed thanks for the hospitality extended. He spoke of the similar problems experienced in their Association concerning the Act and Regulations. He stated that they now have a Discipline case decision being challenged and will be heard in the courts. Dues are now over $600.00. He welcomed members to their Annual Meeting which will be held on May 5 and 6, 1988.

Wayne Brubacher, Ontario spoke on behalf of Larry Maughan, the Ontario Members, and himself, thanking all for the extremely fine hospitality and a well run and informative meeting. He stated that it was indeed convenient to have the C.C.L.S. Meeting in conjunction with the Nova Scotia Annual Convention. He welcomed all to their next meeting scheduled for February 24 to 29, 1988 in Toronto.

Roger Arsenault, Quebec thanked the executive for their hospitality. He congratulated the newly elected officers and stated that we should feel free to request any information from their Association which would be of benefit to our Association.

John Quigley, New Brunswick thanked all for the fine hospitality extended and enjoyed the meeting. He stated that their problems are similar to ours. He stated that they have a pending court case involving a woodland boundary establishment. He welcomed all to their next meeting to be held in January in Saint John.

Cliff Hawco, Newfoundland. His congratulations were extended to the newly elected officers and he thanked the members for their hospitality and a most enjoyable meeting. The Newfoundland Association hope to have their new Act ratified shortly. He said that they have just been through a court case involving a suspension of a member; this was appealed and the decision was overturned. He welcomed all to their Convention scheduled for April 28, 29, 30, 1988.

John McLaughlin, C.I.S.M. and U.N.B. offered assistance in any way towards the review of courses leading to Professional Land Surveying. The C.I.S.M. Convention will be held in Winnipeg, Manitoba in May of 1988 and he welcomed all to attend. He also reminded members that the C.I.S.M. Convention will be held in Halifax in June of 1989 at the Sheraton Hotel.

President David stated that our 1988 Annual Convention will be held in Truro on November 17 to 19 at the Best Western Trade and Convention Centre. We look forward to seeing members and visitors at that time.

It was stated that the First Council Meeting of the year would be held immediately following this meeting.

There being no further business, a Motion to Adjourn the 37th Annual Meeting was made by Robert Feetham at 3:30 p.m. A.S.T. 1987.

Howard K. Wedlock, NSLS
Executive Secretary

HKW/mmk

GET THE FULL POWER.
GET THE FREE DISK.
FREE

Professional surveyors and computer scientists with over 20 years experience in developing survey software, want to give you the power.

The GEM Survey Software is a powerful, flexible system. It is, quite simply, the new generation.

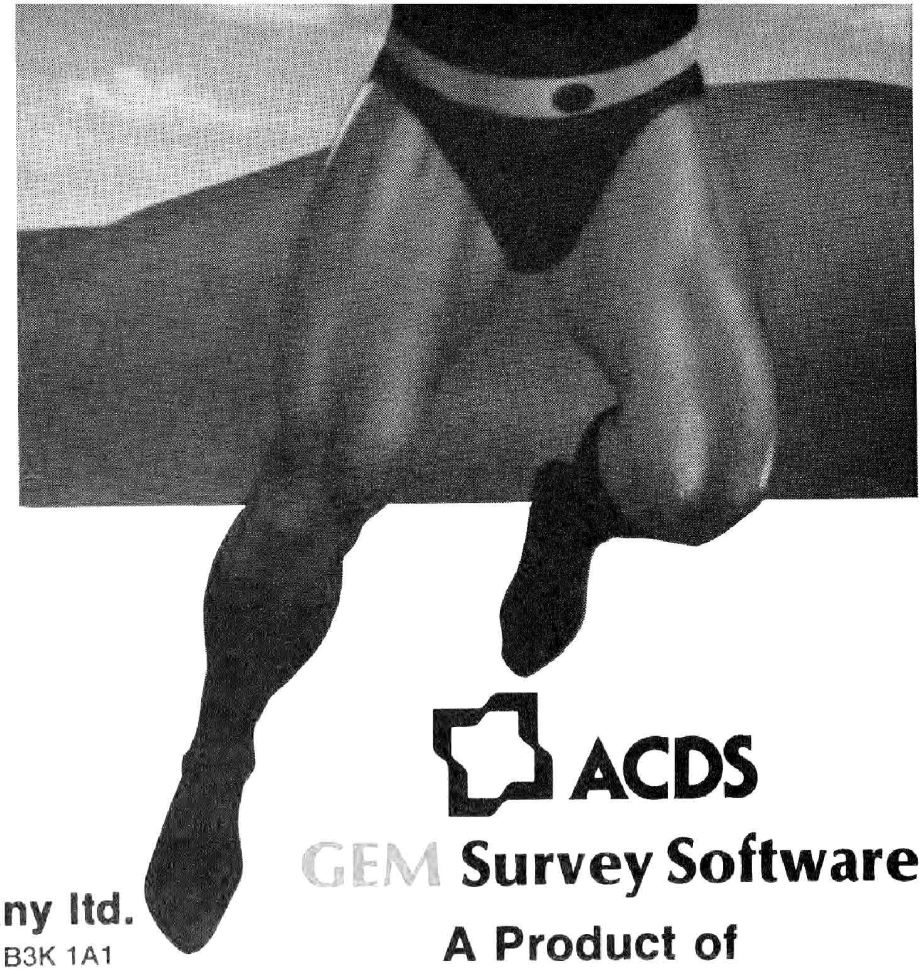
This new generation survey software offers truly integrated programs for: Coordinate Geometry, Total Station Processing and Interactive Graphics.

It's designed for IBM XT, AT® or compatibles.

It's so good, so powerful, such a high quality product that we cheerfully offer you a free GEM demo diskette.

Just contact your local Norman Wade Company Limited representative.

IT'S FREE. IT'S YOURS.
- ☐ *Coordinate Geometry*
- ☐ *Total Station Processing*
- ☐ *Interactive Graphics*



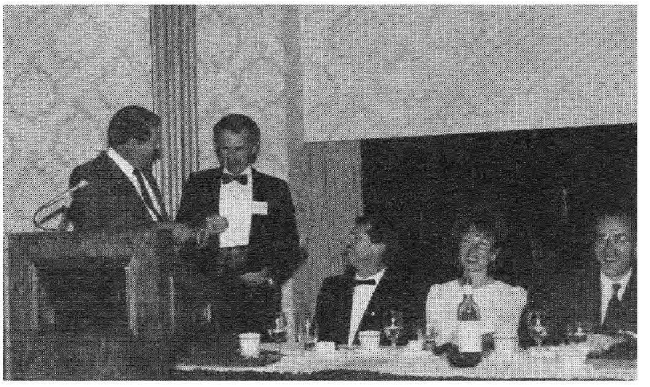
ACDS

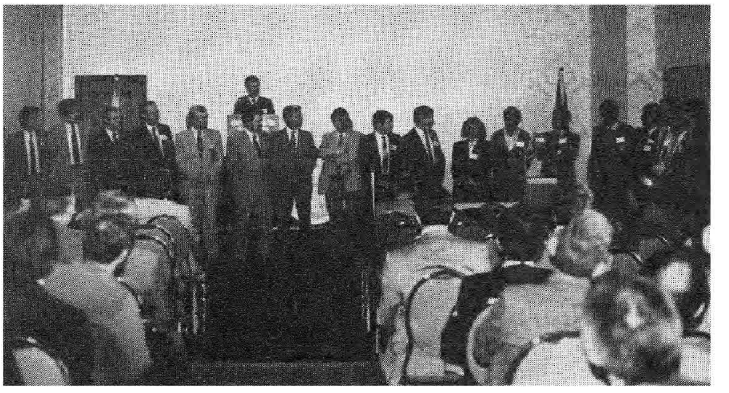
GEM Survey Software

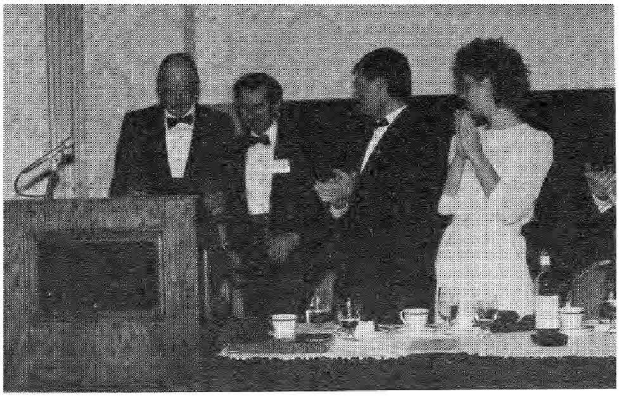
A Product of
ACDS Graphic Systems Inc.

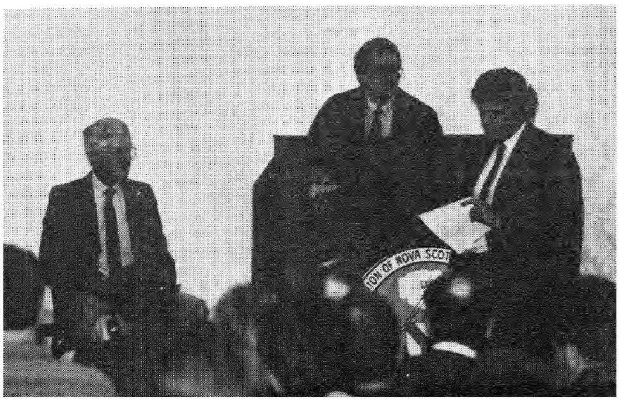
norman wade company ltd.
5426 Portland Place, Halifax, N.S. B3K 1A1
429-5002

CONVENTION 87








OF NOVA SCO

FROM THE FIELDBOOK

By Marcellin Chiasson

Best wishes for a prosperous New Year!

* * *

As a forestry-service employee, my sister recorded the rainfall in her area. One drizzly day, her thoughts were apparently elsewhere as she typed "thirty-three inches" instead of "thirty-three hundredths of an inch" into the computer. It was obvious that the machine had been programmed by someone with a sense of humour, for this message quickly appeared on the screen: "Build the ark. Gather the animals two by two...."

* * *

We extend deepest sympathies to Lee Wyman on the death of her husband, Wally, who died in October 1987. He was a Past President and Life Member of MALSCE and a recipient of the Surveyor-of-the-Year Award in 1986. Wally and Lee attended many of our annual meetings in recent years.

* * *

I heard a lawyer recently describe one of his client's philosophies.

"When in Trouble
When in Doubt
Run in Circles
Scream & Shout"

Sound familiar?

* * *

From a local publication:

LIFE ISN'T FAIR

One of the things I try to teach my preschool students is the name of each day of the week. Every morning I ask them what day it is. The children respond by guessing the day. On the fourth day of one week, I asked my usual question, and after several children guessed wrong, I said, "It's Thursday! Thursday!"

After a moment of puzzled silence, one child said in frustration, "Miss Dana, you change the answer every day!"

* * *

We congratulate Hugette McDonald, wife of Alex McDonald (#179), on winning a house and two cars in the Alberta Big Sisters draw - A value of $318, 000.00.

* * *

How are your collections on outstanding survey bills? Here is the approximate success rate on outstanding accounts.

0 - 30 days	100%
30 days +	90%
90 days +	80%
180 days +	50%
1 year +	30%

(Excludes collection costs)

* * *

A FABLE

Once upon a time there were four people named Everybody,Somebody, Nobody, and Anybody. When there was an important job to be done Everybody was sure that Somebody would do it. Anybody could have done it but Nobody did it. When Nobody did it Everybody got angry because it was Everybody's job. Everybody thought that Somebody would do it but Nobody realized that Nobody would do it.

So it ended up that Everybody blamed Somebody when Nobody did what Anybody could have done in the first place.

* * *

Applicable to Yukon and Northwest Territories according to Evidence Act:

AFFIDAVITS AND DECLARATIONS

56. An oath, affidavit, affirmation or statutory declaration for use in the Territories may be administered, sworn, affirmed or made within the Territories before

(a) a justice of the peace, judge, or magistrate in the Territories within his jurisdiction;

(b) the clerk or deputy clerk of the Courts;

(c) a commissioner for taking oaths within the Territories;

(d) a notary public appointed for the Territories;

(e) a barrister or solicitor duly admitted and entitled to practise as such in the Territories;

(f) a postmaster of any post office appointed under the Post Office Act;

(g) a sheriff; or

(h) a member of the Royal Canadian Mounted Police;

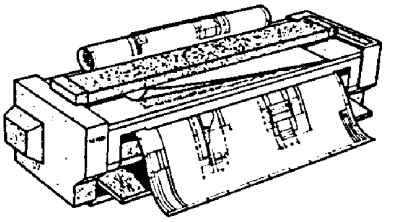
* * *

NOT ENJOYMENT AND NOT SORROW IS OUR DESTINED END OR WAY BUT TO ACT THAT EACH TOMORROW BRING US FURTHER THAN TODAY.

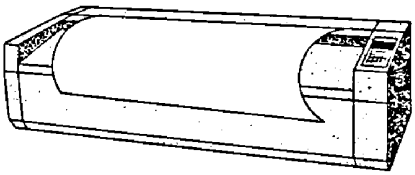
* * *

THE XEROX COMBINATION

The Xerox 2510
Engineering Copier



The New
Xerox Cutter 1



Enjoy the Versatility Now you can make same-size prints up to 36" wide, from just about any kind of original, including bluelines, sepias, computer printout, and rigid originals up to ⅛" thick. There's never a need to use translucent originals; you go from original to print in one step. Print onto general purpose bonds, vellum and drafting film, in sizes from 8½"x11" up to 36" wide by any manageable length. Make prints from rolls or cut sheets. Each print can be used as another original at any time. The Xerox 2510 handles every document at a constant speed, so there's never a loss of productivity with "difficult" originals.

Set It Up Anywhere The Xerox 2510 plugs into a 110 Volt outlet and doesn't need any venting, so you don't have to install it in a special room. It measures only 55" wide by 20" deep by 16" high, and sits on a table, so you can install it right where it's needed. To gain the most convenience in using your 2510, an optional stand with a paper storage area and a paper roll holder/cutter is available.

Enjoy Productivity and Convenience Xerox Cutter 1 produces accurately cut sheets that are convenient to handle and feed. It operates easily. And it runs multiple sheets (up to 99 a time) at the rate of 30 feet per minute while counting each sheet on its electronic digital display. It works as fast as you do. The Cutter 1 "pause" mode lets the user remove each sheet as needed before the next is produced.

Adapts Easily to Special Sizes Cutter 1 accepts single rolls in widths ranging from 16.54" to 36.0". It is preprogrammed to cut sheets from the traditional B-E Sizes or A3-A0 metric formats with push-button simplicity. In addition, a numeric keypad allows easy selection of lengths from 10.0" to 409.9".

Output Media Engineering/Drafting media including: Paper (bond or diazo) and vellum to 24 lb.; drafting film to 4 ml.

wade leasing makes them easy to own

XEROX.
Authorized
Xerox
Dealer

wade

norman wade company limited

5426 PORTLAND PLACE
HALIFAX, NOVA SCOTIA, B3K 1A1
429-5002

W.S. Crooker, P.Eng., N.S.L.S. and F.C. Hutchinson, C.L.S., N.S.L.S., are pleased to announce that PLANNING, ENGINEERING, and SURVEYING services have been consolidated through the formation of CROOKER, HUTCHINSON AND ASSOCIATES LIMITED.

This new enterprise accumulatively embodies the expertise and personnel of W.S. Crooker and Associates Ltd. and F.C. Hutchinson Surveying Ltd. Both firms are now operating within the structure of this new corporation.

PRINCIPALS and STAFF

The principals bring to the firm over 50 years of experience gained both nationally and internationally in the consulting industry. The company maintains a staff of professional engineers and surveyors highly qualified in providing consulting services to the public and private sectors.

PLANNING

- interpretation and implementation of Provincial and Municipal subdivision regulations;
- feasibility studies and subdivision design for residential, commercial and industrial developments.

ENGINEERING

- project services on land developments from initial planning through construction and supervision;
- miscellaneous services to the survey profession
  i.e. drainage plans, road design and municipal services.

SURVEYING

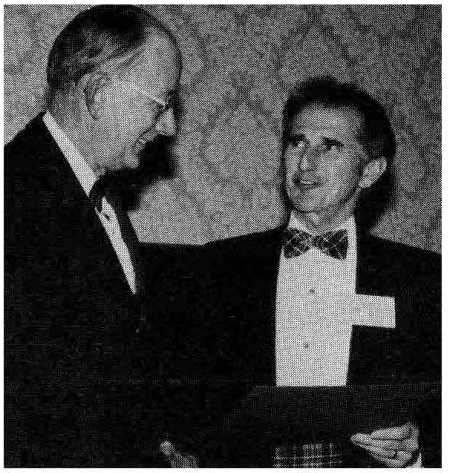
- subdivision, boundary and topographic surveys;
- land information and management;
- hydrographic surveys;
- plot plans, building layouts and location certificates.

Please contact our office if you require information regarding any of the above matters or other areas of concern.

* * *

AWARD OF DISTINCTION

PROFESSOR ARTHUR F. CHISHOLM, P.ENG., N.S.L.S.



President Dave Making Presentation

Mr. President, Honoured Guests, Ladies and Gentelmen.

The success of an organization is a direct result of the contributions the members make on its behalf. Many participate because of some vested interest they may have, while a select few devote their time and energy based solely on their dedication and belief in the cause. This latter reference certainly applies to tonight's special honoree.

On your behalf,I have the privilege of reading the citation of this **Award of Distinction** and of saying some long overdue words of recognition and thanks to Arthur F. Chisholm, Chairman of the Nova Scotia Land Surveyors Board of Examiners for the past 25 years.

On Thursday of this week, November 12, 1987, Art Chisholm brought to an end, 25 consecutive one year terms in office as Chairman of the Board. At the start of each year he received the confidence of his fellow Board members and was reappointed by them as Chairman for another term.

During his time on the Board, Art has served with almost all of the last 25 Association Presidents, 4 different Secretaries, numerous members of APENS, 3 members representing the Minister of Lands & Forests and for the past 10 years, with Bruce Gillis, who represented the Nova Scotia Barristers Society. A Board with such wide ranging interests and backgrounds was not always an easy group to chair but Art was equal to the task on each occasion, ensuring a strong measure of fairness for both the students and the Board members themselves.

Since 1962, Art presided over the certification of approximately 200 applicants who became members of this Association. This is more that 50% of all the members who have joined since the Association received its Charter in 1951. Considering there were about 100 land surveyors who attended those initial meetings, Art has played a strong role in directing the careers of most of the land surveyors practicing in the Province today.

Even though he has been on the job for 25 years, Art has always treated the affairs of the Board with the highest sense of duty. And it was not always an easy task, as many meetings ran on for 4-5 hours, depending on the complexity of the agenda. Over the years, Art would have probably attended about 125 meetings, read in excess of 300 technical papers (some several times) and prepared 25 annual reports on behalf of the Board.

During many of those 25 years, Art was also an Examiner, setting and grading hundreds of exams on behalf of the Board. This was certainly a labour of love, especially in the earlier years, when one considers the rewards for the time involved in reviewing the exam papers. Several years ago, one of the Board's other Examiners very astutely pointed out that on one particular set of papers he was working for about .34 cents per hour.

When the Association put out the call for a President in 1961, Art stepped forward and accepted the gavel. During this term on Council, he also served on the Board of Examiners.

Several years ago Art retired from an active career as Professor in the Engineering Department of Dalhousie University. Shortly afterwards, he and his lovely wife Shirley moved back to Great Village, Colchester County where he had an opportunity to rekindle many fond memories of his youth.

In September of this year, President Jim Gunn received Art's official resignation from the Board which he accepted with our deepest gratitude and sincerest best wishes for a long and healthy retirement.

Mr. President, I will now read the citation for this well deserved Award of Distinction and ask you to present it to Arthur F. Chisholm on behalf of the Association.

K.P. AuCoin, NSLS, P.Eng.

* * *

DEPARTMENT OF SURVEYING ENGINEERING
UNIVERSITY OF NEW BRUNSWICK

Bachelor of Science in Engineering

Master of Science in Engineering

Master of Engineering

Graduate Diploma in Land Information Management
(Jointly with The School of Computer Science)
Graduate Diploma in Mapping, Charting and Geodesy

Further information from

Chairman
Department of Surveying Engineering
University of New Brunswick

Fredericton, N.B.

ENFORCEMENT

The last issue of BEARINGS contained a summary of cases brought before the Board of Registration in the last six years. I thought readers might be interested in what is happening in other states. The following is a partial listing of cases from the May, 1987, issue of THE REGISTRATION BULLETIN which is published five times a year by the National Council of Engineering Examiners.

COLORADO

--Two Land Surveyors were found guilty of negligence for performing substandard work in the preparation of plats. Licensees surrendered their licenses rather than go through probation and revocation hearings!

FLORIDA

--A Land Surveyor was found guilty of violating a probation, imposed by the Board in November 1984, by performing a survey which failed to comply with Minimum Technical Standards. Penalty: Fined $1,000, 27-months' probation beginning at end of previously imposed probation, submit 25 surveys for board's review at specified intervals, successfully complete seminar on Minimum Technical Standards.
-A Land Surveyor was found guilty of failing to comply with Minimum Technical Standards, practicing on an inactive license, and practicing through a firm that was not properly certified. Penalty: Fined $500, 27-months' probation, submit 25 surveys for board's review at specified intervals, successfully complete seminar on Minimum Technical Standards.

IOWA

-A Professional Land Surveyor was found guilty of negligence, careless acts and omissions, and incompetence relating to surveys performed by the registrant. Penalty: License revoked, may apply to take examinations in two years and, if successful in passing examinations, may apply for reinstatement of license.

NORTH CAROLINA

-A Professional Land Surveyor was found guilty of failure to respond to a board investigation concerning a question as to his competency to practise land surveying in the state. Penalty: Board refused to renew registration as a Registered Land Surveyor until he supplies evidence of his competency to perform survey work.
-A Professional Land Surveyor was found guilty of placing his seal and signature on a map without surveying the same; failing to perform a survey in accordance with deed description; and failing to keep abreast of the surveying requirements of G.S. 47-30. Penalty: Voluntarily terminated his registration as a Registered Land Surveyor in lieu of a hearing.

TENNESSEE

-A Land Surveyor was found guilty of placing his professional seal on an incomplete survey plat. Penalty: Fined $100 and ordered to submit four or five surveys performed in the future to the board for review.
-A Land Surveyor was found guilty of failing to comply with the professional Standards of Practice in the performance of a survey filed by a complainant. Penalty: Fined $500, letter of reprimand issued and a copy placed in his file.

WASHINGTON

-A Land Surveyor was found guilty of misconduct for filing erroneous surveys that did not conform to state standards, failing to perform sufficient section subdivisions, using improper legal descriptions and improper procedures. Penalty: License suspended and ordered to correct all errors from reviewed surveys on or before July 1, 1987. Must successfully take and pass the 16-hour Land Surveying Examinations. Cannot advertise as a Land Surveyor until he has passed the specified examinations.

* * * * *

Career Opportunities

Nova Scotia

Department of Vocational and Technical Training

Honorable Terence R.B. Donahoe, Q.C.
Minister

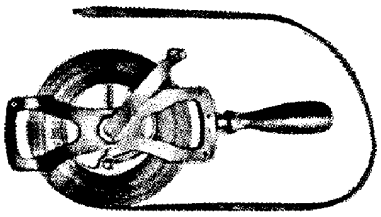
A Career in Modern Technology

Technical programs related to surveying, mapping, scientific computer applications, land-use planning, and environmental resource management are available at N.S. College of Geographic Sciences.

Programs are at the post-secondary level. Some are suitable for those who wish to acquire technical skills for the first time; some are designed for those who wish to enlarge and improve on earlier training and experience.

N.S. College of Geographic Sciences, P.O. Box 10-A, Lawrencetown, Annapolis Co., N.S., B0S 1M0

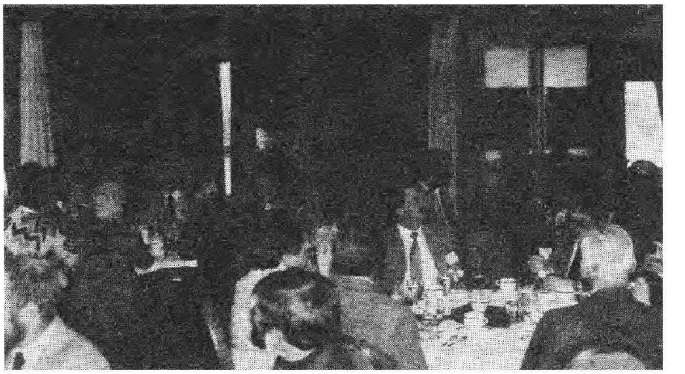
Lufkin

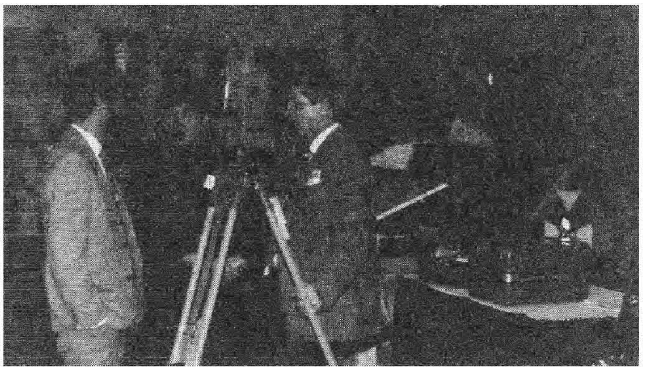


Quality Lufkin measuring tapes and accessories for the Surveyor. Tapes available in Metric, English, or Metric/English graduations.

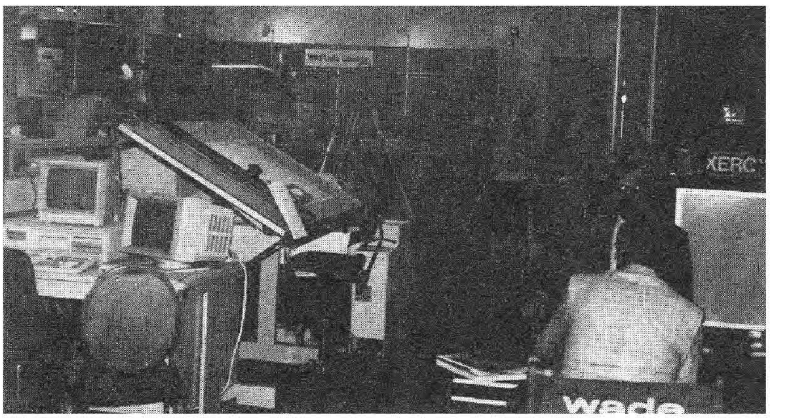
CooperTools

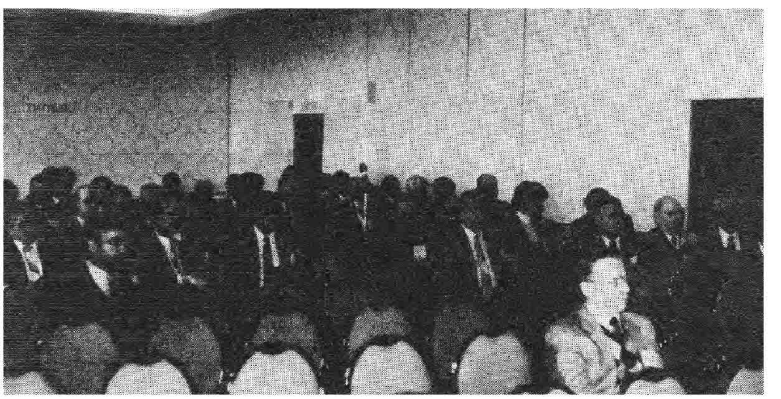
Cooper Tools, 164 Innisfil Street, Barrie, Ontario, Canada, L4N 3E7

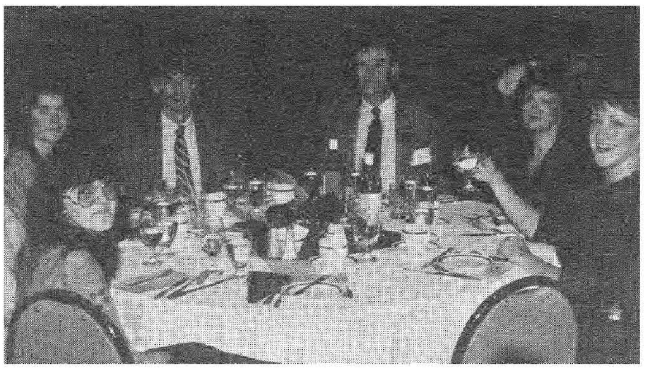


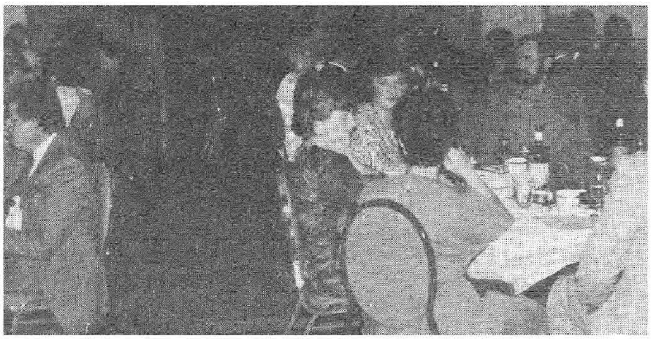


CONVENTION 87









CANADA

Magisterial District of the
Province of Nova Scotia
of

I, of
in the County of Peace Officer, make oath and say as follows:

1. That on the day of
A.D. 19 I served the within summons on
strike out what is inapplicable , the person to whom it is directed
by delivering to him personally a duplicate original thereof at
in the County of

1. That , the person to whom the within summons is directed could not conveniently be met with for the purposes of serving such summons.

2. That on the day of
A.D. 19 , I served the within summons upon the said
by leaving it for him at his
last most usual place of abode with an inmate thereof apparently not under 16 years of age.

Sworn to at
in the County of
this day of
A.D. 19
Before me

No. ----------

Dated: October A.D. 19 87

THE QUEEN

vs.

K. W. ROBB & ASSOCIATES LIMITED

SUMMONS

NOTE:

First charge will be heard in Bedford Court, Bedford on April 5, 7, and 8, 1988 at 10 a.m.

(FORM 6)
(Sections 455.3, 455.5 & 728

SUMMONS TO A PERSON CHARGED WITH AN OFFENCE

CANADA
PROVINCE OF NOVA SCOTIA

To K. W. Robb & Associates Limited
10 Caldwell Road, Cole Harbour,
Halifax County, Nova Scotia

WHEREAS you have been charged before me that you at or near

in the County of Halifax, Nova Scotia, ~~xxxxxxxxx~~ between the 14th

day of October 19 86 and the 13th day of October, 1987,

did unlawfully undertake or carry out the application of engineering by designing a transportation system as shown on a set of four plans dated January 29, 1987 and revised March 20, 1987 showing a plan, profile and cross-sections of Eagle Glen Road and Deepwood Drive, Harlavie Estates, Highland Park Subdivision at Hammonds Plains, in the County of Halifax, contrary to Section 20(a) of the Engineering Profession Act, R.S.N.S. 1967, Chapter 90, as amended.

THIS IS THEREFORE TO COMMAND YOU, in Her Majesty's name:

1. to attend Court on Wednes day, the 21st day of October,

19 87 at 9 o'clock in the fore noon in the Provincial

Courtroom at 1550 Bedford Highway, in the Town of Bedford, County of Halifax, Nova Scotia,

and to attend thereafter as required by the Court, in order to be dealt with according

to law: and

2. to appear on _____ day, the _____ day of _____,

nore
not
lled in)

19 _____ at _____ o'clock in the _____ noon at

_____,

for the purposes of the Identification of Criminals Act.

You are warned that failure without lawful excuse to attend Court in accordance with this summons is an offence under subsection 133(4) of the Criminal Code. Subsection 133(4) of the Criminal Code states as follows: "(4) Every one who is served with a summons and who fails, without lawful excuse, the proof of which lies upon him, to attend Court in accordance therewith, is guilty of (a) an indictable offence and is liable to imprisonment for two years, or (b) an offence punishable on summary conviction" Section 455.6 of the Criminal Code states as follows: "455.6 Where an accused who is required by a summons to appear at a time and place stated therein for the purposes of the Identification of Criminals Act, does not appear at that time and place, a justice may issue a warrant for the arrest of the accused for the offence with which he is charged."

Dated this 14th day of)
October 19 87,)
at Halifax, County of)
Halifax, Nova Scotia)

J. Omac Donald
Magistrate or Justice of the Peace in
and for J.D. Mac...
Justice ...
Judicial District or Province
For ...
District of ...

CANADA

Magisterial District of the
Province of Nova Scotia
of

I, of
in the County of Peace Officer, make oath and say as follows:

1. That on the day of
A.D. 19 I served the within summons on
, the person to whom it is directed
strike out what is inapplicable by delivering to him personally a duplicate original thereof at
in the County of

1. That , the person to whom the within summons is directed could not conveniently be met with for the purposes of serving such summons.

2. That on the day of
A.D. 19 , I served the within summons upon the said
by leaving it for him at his
last / most usual place of abode with an inmate thereof apparently not under 16 years of age.

Sworn to at
in the County of
this day of
A.D. 19
Before me

No. ----------

Dated: October A.D. 19 87

THE QUEEN
vs.
K. W. ROBB & ASSOCIATES LIMITED

SUMMONS

NOTE:

The second charge will be heard in Dartmouth Provincial Court on April 20, 21, and 22; 1988 at 10 a.m.

(FORM 6)
(Sections 455.3, 455.5 & 728)

SUMMONS TO A PERSON CHARGED WITH AN OFFENCE

CANADA
PROVINCE OF NOVA SCOTIA
:

To K. W. Robb & Associates Limited
10 Caldwell Road, Cole Harbour,
Halifax County, Nova Scotia

WHEREAS you have been charged before me that you at or near Porters Lake,

in the County of Halifax, Nova Scotia, ~~on or~~ between the 14th

day of October 1986 and the 13th day of October, 1987,

did unlawfully undertake or carry out the application of engineering by designing a transportation system as shown on a set of four plans dated February 3, 1987 showing a plan, profile and cross-sections of Heidelberg Lane and Alps Road, Blackforest Mobile Home Estates at Porters Lake, in the County of Halifax, contrary to Section 20(a) of the Engineering Profession Act, R.S.N.S. 1967, Chapter 90 as amended.

AND FURTHER THAT YOU at or near West Lawrencetown, in the County of Halifax, between the 14th day of October, 1986 and the 13th day of October, 1987 did unlawfully undertake or carry out the application of engineering by designing a transportation system as shown on a set of two plans dated October 28, 1986 showing a plan, profile and cross-sections of David Drive, Gervais Mallett Subdivision at West Lawrencetown, in the County of Halifax and one plan dated April 22, 1986 showing a ditch profile of David Drive, Gervais Mallett Subdivision at West Lawrencetown, in the County of Halifax, contrary to Section 20(a) of the Engineering Profession Act, R.S.N.S. 1967, Chapter 90, as amended.

THIS IS THEREFORE TO COMMAND YOU, in Her Majesty's name:

1. to attend Court on Monday, the 26th day of October,
19 87 at 10 o'clock in the fore noon in the Provincial
Courtroom at 277 Pleasant Street, in the City of Dartmouth (Courtroom #1)
and to attend thereafter as required by the Court, in order to be dealt with according
to law; and

2. to appear on _____ day, the _____ day of _____,
(Ignore if not filled in) 19 _____ at _____ o'clock in the _____ noon at
_____,

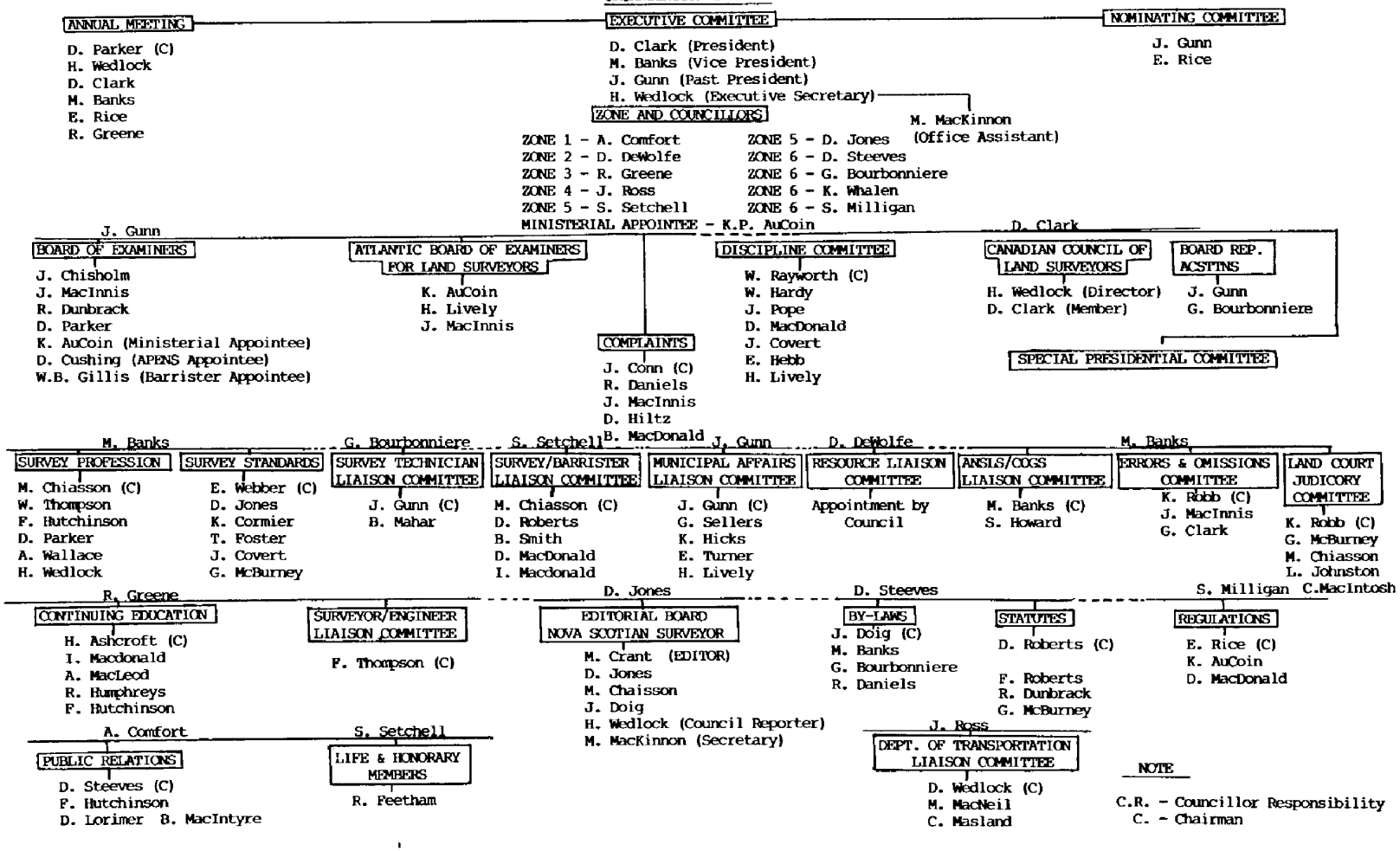
for the purposes of the Identification of Criminals Act.

You are warned that failure without lawful excuse to attend Court in accordance with this summons is an offence under subsection 133(4) of the Criminal Code. Subsection 133(4) of the Criminal Code states as follows: "(4) Every one who is served with a summons and who fails, without lawful excuse, the proof of which lies upon him, to attend Court in accordance therewith, is guilty of (a) an indictable offence and is liable to imprisonment for two years, or (b) an offence punishable on summary conviction" Section 455.6 of the Criminal Code states as follows: "455.6 Where an accused who is required by a summons to appear at a time and place stated therein for the purposes of the Identification of Criminals Act, does not appear at that time and place, a justice may issue a warrant for the arrest of the accused for the offence with which he is charged."

Dated this 14 day of)
October 19 87,)
at Dartmouth, in the)
County of Halifax,)
Province of Nova Scotia

J. MacDonald
Magistrate of Justice of the Peace in
and for J.D. MacDONALD
Judicial District or Province

1988 ORGANIZATIONAL CHART



EXECUTIVE

PRESIDENT	David C. Clark	230 Pleasant St., Truro, N.S. B2N 3S8.	(O) 673-2281. (H) 895-4563.
VICE PRESIDENT	Murray J. Banks	58 Swanton Dr., Dartmouth, N.S., B2W 2C5.	(O) 424-3146. (H) 434-8863.
PAST PRESIDENT	James D. Gunn	33 George St., Sydney, N.S. B1P 1H4.	(O) 563-2280. (H) 564-4208.
SECRETARY	***Howard K. Wedlock	159 Portland St., Suite 204 Dartmouth, N.S., B2Y 1H9.	(O) 469-7962. (H) 466-4703.

COUNCILLORS

ZONE 1	*Alan W. Comfort	Port Medway, N.S., B0J 2T0	(O) 677-2560.
ZONE 2	**Derik DeWolfe	P.O. Box 404, Middleton, N.S. B0S 1P0.	(O) 825-3930.
ZONE 3	**Richard Greene	39 Scenic Dr., Truro, N.S. B2N 5N9.	(O) 895-9326. (H) 895-9326.
ZONE 4	*John W. Ross	R.R.#1, Stellarton, N.S. B0K 1S0.	(O) 922-3417.
ZONE 5	*Stewart Setchell	34 Dover St., Westmount, N.S. B1R 1H2.	(O) 564-5541.
ZONE 5	**Dennis A. Jones	Box 44, Site 12, R.R.#3 Sydney, N.S., B1P 6G5	(O) 563-2280. (H)
ZONE 6	**Ken Whalen	2973 Oxford St., Halifax, N.S. B3L 2W3.	(O) 455-3875.
ZONE 6	**David A. Steeves	Suite 256, Starlite Gallery, Bayers Rd. Shop. Centre, Halifax, N.S. B3L 2C2.	(O) 455-1537.
ZONE 6	*Gerry H. Bourbonniere	6 Averill St., Dartmouth, N.S. B3A 2H2.	(O) 464-2261.
ZONE 6	*Steven W. Milligan	Site #8, Comp. 24, R.R.#1, Dartmouth, N.S., B2W 3X7.	(O) 434-7300.

APPOINTEE OF MINISTER OF DEPARTMENT OF LANDS AND FORESTS

COUNCILLOR AT LARGE	Keith P. AuCoin	P.O. Box 1046, Windsor, N.S. B0N 2T0.	(O) 424-5020.

* TERM ENDS NOVEMBER 1988 ** TERM ENDS NOVEMBER 1989 *** NOT A MEMBER OF COUNCIL

1 9 8 8

PRESIDENT — DAVID C. CLARK
TRURO, N.S.

VICE PRESIDENT — MURRAY J. BANKS
DARTMOUTH, N.S

Land Surveying comes under the provisions of the Nova Scotia Land Surveyors Act, Chapter 13, Acts of 1977. Revised 1986.

The objects of the Association are:

(a) To establish and maintain standards of

(i) Professional ethics among its members, student members and holders of a certificate of authorization, in order that the public interest may be served and protected, and

(ii) knowledge and skill among its members, student members and holders of a certificate of authorization; and

(b) To regulate the practice of professional land surveying and to govern the profession in accordance with this Act, the regulations and the By-laws; and

(c) To communicate and co-operate with other professional organizations for the advancement of the best interests of the surveying profession.

LISTED ARE THE MEMBERS OF THE ASSOCIATION WHO ARE IN GOOD STANDING AS OF DECEMBER 31, 1987.

HONORARY MEMBERS

Name	Registration #	Address	PHONE #
ANDERSON, C. Edwin		215 North Main St., East Longmeadow, Mass. 01028	
ARCHIBALD, Joseph F.	42.	R.R.#1, Aspen, Guys. Co., N.S., B0H 1E0.	833-2359
BATES, George T.	108.	6321 Allan St., Halifax, N.S., B3L 1G8.	422-4036
LOGAN, Robert A.	12.	801 E. Second St. Apt.#402, Duluth, Minn.	
MARCH, J.E. Ruskin	4.	Plaza 1881 Brunswick St,Apt#402, Halifax, N.S.	
MONCRIEF, C.E.		15 Flagg St., Quincy, Mass., U.S.A., 02170	

LIFE MEMBERS

BURGESS, Robert H.	26.	129 Park St., Truro, N.S., B2N 3J5	893-8142
BYERS, J. Wilfred	92.	2630 Gottingen St, Apt#209, Hfx., N.S,.B3K 3C6.	
CHISHOLM, Arthur F.	46.	Great Village, N.S., B0M 1L0	662-2190
CHISHOLM, J. Ronald	89.	24 Fairview St, Antigonish, NS, B2G 1R3.	424-5020
CREIGHTON, C. Sydney.	107.	371 Simcoe Ave, Mt. Royal, Quebec, H3P 1X3	
CREIGHTON, Dr. GWI	40.	6566 Norwood St, Halifax, NS, B3H 2L8	422-2986
DOANE, Harvey W.L.	88.	5959 Spr. Gdn. Rd., Apt#403, Hfx, N.S.	429-0787
DOIG, James F.	220.	Comp B3, Site 2, RR#3, Wolfville, NS, B0P 1X0	
KELLY, James F.	102.	1140 Cartaret St., Hfx, NS, B3H 3P3	422-3025
LONG, Lawrence S.	294.	41 Old Kings Rd, Sydney, N.S., B1S 2B4	
MacKAY, Alexander C.	58.	R.R.#3, Merigomish, N.S., B0K 1G0	
PRICE, Jacques	50.	Box 836, Armdale, N.S., B3L 4K5	429-4541
RITCHIE, Edward B.	115.	Box 481, Liverpool, N.S., B0T 1K0	
ROBERTSON, H. Burt	124.	27 Canary Cres, Halifax, NS, B3M 1R2	443-3607
RYAN, James L.	49.	30 Walton Dr., Halifax, NS, B3N 1X7	477-7040
SCHOFIELD, Roy M.	10.	R.R.#2, Wolfville, N.S., B0P 1X0	
SHERREN, James C.	189.	99 Joyce Ave., Moncton, N.B., E1A 5A5	
STREB, George E.	314.	5524 Heatherwood Ct, Apt#502, Hfx, NS.	455-1942

RETIRED MEMBERS

Name	Registration #	Address	Phone #
CAMERON, Robert G.	286	R.R.#2, New Glasgow, N.S., B2H 5C5	
COADY, Roderick W.	468	Margaree Forks, Inv. Co., N.S., B0E 2A0	
DUNSWORTH, Peter	485	5770 Spr. Gdn. Rd., Apt#4, Halifax, N.S., B3H 4J8	
FERGUSON, Murdock F.	212	Cleveland, Rich. Co., N.S., B0E 1J0	
GRANT, Allison B.	255	13 Wallingham St., Dart., NS, B3A 2G8	469-7661
HUGHES, Gerald D.	63	7843 Willow Spring Dr., #621, LakeWorth, FL 33467	
MacDOUGALL, Gerald F.H.	187	105 Willow St., Amherst, N.S., B4H 3W6	
MORE, John F.	488	200 Albro Lake Rd., Dartmouth, N.S., B3A 3Z2	
REID, Edmond	167	7 Mt. Edward Rd, Dart., N.S., B2W 3K2	434-6648
SMITH, Harold B.	308	R.R.#1, Berwick, N.S., B0P 1E0	538-8376
WILDMAN, William N.	299	Box 35, Corozal Town, Belize, Central America	

ASSOCIATE MEMBERS

BOUDREAU, J. Gelas.	A-9	LeBlanc, MacDonald & Pickup, Box 700, Port Hawkesbury, N.S., B0E 2V0	625-2120
CAINES, C. Eric.	A-7	Box 186, 1723 Hollis St., Hfx, NS, B3J 1V9	477-9921
DEUBRY, Reuben.	A-5	East & St. Mary's Streets, St. John's, Antigua	
DUNN, Ronald S.	A-4	Box 2345, Halifax, N.S., B3J 3C8	424-8681
KINCAID, Leonard J.	A-3	95 Akerley Blvd, Dart., NS, B3B 1R7	
MacKENZIE, Roland G.	A-10	Box 186, Halifax, N.S., B3J 2N2	
LEEDHAM, (Jack) John D.	A-11	37 Newcastle St., Dartmouth, N.S., B2Y 3M6	424-4091
TOPPLE, E. Eric.	A-8	Box 1013, Dartmouth, NS, B2Y 4K2	435-5850

NON-PRACTICING MEMBERS

ATKINSON, Austin E.	378	211-3111 Portage Ave., Winnipeg, Manitoba, R3K 0W4	
CAIN, Burton L.	373	247 Pleasant St, Newcastle, N.B., E1V 1Y6	
CRANDALL, David W.	183	437 Thompson Dr, Winnipeg 12, Manitoba, R3J 3E7	
EDGETT, A. Terrace	405	Box 237, RR#1, Shediac Bridge, NB, E0A 3H0	532-5806
HATHERLEY, R.C.	258	Box 453, Veteran, Alberta, T0C 2S0	(403).575-3975
MacLEAN, Douglas C.	173	60 Bridgeport St, Richmond Hill, Ontario, L4C 3W1	
MacNEIL, Donald J.	302	J. Stewart Eng. & Sur. Ltd, Box 1218, Slave Lake, Alberta, T0G 2A0	452-7662
MILO, W. Gavin.	329	73 Pineglen Cres, Nepean, Ont., K2G 0G9	858-2034
OLIVER, Vernon G.	412	14 Laval Dr, Regina, Sask, S4V 0H1	(306).789-8304
PROBERT, William J.	458	2775 Don Mills Rd., (514) Willowdale, Ontario	
ROGERS, Charles D.	29	127 Desmond Ave, Hazeldean, Ontario, K2L 1E8	
SHEPPARD, Fred S.L.	463	Box 6475, Fort S. John, B.C., V1J 4H9	

ROLL OF MEMBERS

Name	Registration #	Address	Phone #
A			
ABBOTT, Arthur H.	393	Box 2107, Halifax, N.S., B3J 3B7	425-3980
*ALCORN, Joseph R.	522	2010 Creighton St., Halifax, N.S., B3K 3R2	465-7300
ALEXANDER, David M.	578	93 Poplar Dr., Dartmouth, N.S., B2W 2K7	462-6700
ALLISON, Michael	538	R.R.#1, Kennetcook, Hants Co., N.S., B0N 1P0	
AMIRAULT, Delphis F.	473	7500 Tyrol, Brossard, P.Q., J4Q 1N7	672-6516
*ANDERSON, Brian A.	385	Box 99, Port Hawkesbury, N.S., B0E 2V0	625-0818
ANTONICK, Rebecca	590	Box 35, Auburn, N.S., B0P 1A0	847-9083
*ASHCROFT, Harry	430	R.R.#1, Mt. Uniacke, N.S., B0N 1Z0	757-2885
ASTEPHEN, Michael J.	531	76 King St, North Sydney, N.S., B2A 1T4	794-7091
*ATKINSON, W. Russell	350	Box 456, Bedford, N.S., B4A 2Y2	
*AUCOIN, James F.	452	Box 283, Cheticamp, N.S., B0E 1H0	224-3290
AUCOIN, Keith P.	415	Box 1046, Windsor, N.S., B0N 2T0	424-5020
*AUCOIN, Simon E.	558	Belle Cote, N.S., B0E 1C0	235-2947
B			
*BACKMAN, Arthur C.	474	Box 587, Chester, N.S., B0J 1J0	275-4648
*BAILLIE, H. Daniel	392	R.R.#2, Pictou, N.S., B0K 1H0	244-2131
BANCROFT, James D.	477	50 Southhill Dr., Halifax, N.S., B3M 2Y2	443-4177
*BANKS, James C.	532	R.R.#6, Kingston, N.S., B0P 1H0	835-9955
BANKS, Murray J.	313	58 Swanton Dr., Dartmouth, N.S., B2W 2C5	424-3146
BARRETT, Keith H.W.	450	81 Shore Drive, Bedford, N.S., B4A 2C7	835-5108
BARRY, A. Thomas	260	20 Estate Drive, Dartmouth, N.S., B2V 1C4	434-1287
BECKER, Robert C.	521	R.R.#3, Bridgewater, N.S., B4V 2W2	543-3386

Name	Registration #	Address	Phone #

B

*BENEDICT, Dean A.....554...R.R.#1, Falmouth, N.S., B0P 1L1.....684-9577
*BENT, Arthur T.....406...Box 32, Weymouth, N.S., B0W 3T0.....837-4088
*BERRIGAN, Lester W.....409...Box 418, Bridgewater, N.S., B4V 2X6.....543-5695
*BLACKBURN, Ernest.....549...38B McLean St., Truro, N.S., B2N 4W1.....895-0245
BOEHK, Ernest F.....66...2751 Fuller Terrace, Halifax, NS, B3K 3V9.....455-4896
*BORDEN, Jerry L.....577...Box 1, R.R.#5, Amherst , N.S., B4H 3Y4.....667-2017
BOURBONNIERE, Gerry.....581...6 Averill St., Dartmouth, N.S., B3A 2H2.....465-5958
BOWMAN, Garnet E.....359...Box 395, Windsor, N.S., B0J 2T0.....798-3148
BOYLAN, Curtis M.....166...New Ross, N.S., B0J 2M0.....389-2053
*BOYLAN, Gerald B.....334...2875 Doug Smith Dr., Halifax, N.S., B3L 3T6...455-4688
BRAITHWAITE, Glen C.....421...R.R.#1, Elmsdale, N.S, B0N 1M0.....372-2651
BRISON, Mitch W.....557...Gypsum Mines, Windsor, N.S. B0N 2T0.....865-8547
BRUCE, George B.....582...144 High St., New Glasgow, N.S., B2H 2W9.....755-1423
*BURKE, Daniel B.....446...Box 135, Amherst, N.S., B4H 3Y6.....667-9254

C

CAMERON, Alexander.....408...Box 1011, Port Hawkesbury, N.S., B0E 2V0.....625-1262
CAMERON, Brian J.....358...R.R.#1, Eureka, N.S., B0K 1B0.....752-3181
CAMERON, J. Robert.....486...Milford Station, N.S., B0N 1Y0.....861-3155
CAMERON, Stuart W.....312...21 Parmbelle Lane, Halifax, N.S., B3M 1N2.....
CAMPBELL, Charles A.....192...112 Charlotte St., Sydney, N.S., B1P 1B9.....539-9800
CAMPBELL, Donald C.....305...R.R.#1, North Sydney, N.S., B2A 3L7.....539-9800
CARLIN, Cyril B.....174...3 Donview Dr., Dartmouth, N.S., B2W 4C7.....435-4470
*CARRICK, R. Kent.....356...29 Nordic Crescent, Lr. Sack, N.S, B4C 2L4....455-6001
*CASTLE, R. Dale.....547...Middle Musquodoboit, N.S., B0N 1X0.....384-2201
CHAMBERS, William E.....128...Box 53, Lawrencetown, N.S., B0S 1M0.....584-3476
CHIASSON, Marcellin.....355...Box 69, Port Hawkesbury, N.S., B0E 2V0.....625-0580
CHISHOLM, Edward J.....519...5 Orion Ave., New Glasgow, N.S., B2H 3K2.....752-6936
CHISHOLM, James D.....358...2080 Quingate Pl., Apt#306, Hfx, NS, B3L 4R9..436-2107
CLARK, David C.....292...230 Pleasant St., Truro, N.S., B2N 3S8.....673-2281
CLARKE, Colin w.....403...Site 1, Box 9, Waverley, N.S., B0N 2S0.....861-1419
CLARKE, Garnet F.....295...Box 8, R.R.#2, Newport, N.S., B0N 2A0.....421-5020
*CLEVELAND, Edward J.....501...Box 39, Kingston, N.S., B0P 1R0.....678-4554
*COMEAU, Ernest J.....203...21 Celtic Dr., Dartmouth, N.S, B2Y 3G5.....466-3572
COMEAU, Victor J.....184...Box 153D, Saulnierville, Digby Co., N.S., B0W 2Z0.....
*COMFORT, Alan W.....508...Port Medway, N.S., B0J 2T0.....677-2560
*CONN, John D.....517...6439 Pepperell St., Halifax, N.S., B3H 2P5....423-7866
CORMIER, Kenneth C.....495...R.R.#3, Site 11, Sydney, N.S., B1P 6G5.....849-3200
COVERT, John W.....304...48 Rogers Avenue, Amherst, N.S., B4H 2J7.....667-7249
*CRANT, Michael J.....389...Site 20, Comp. 54, R.R.#3, Armdale, N.S.....466-2176
CREELMAN, Darrell G.....593...R.R.#1, Stewiacke, N.S., B0N 2P0.....268-2444
*CREWS, Glen M.....579...70 First Lake Rd., Lr. Sack., N.S., B4C 3E4...865-5936
CROOKER, David L.....213...R.R.#1, South Brookfield, N.S., B0T 1X0.....543-2394
*CROOKER, William S.....238...6 Julie's Walk, Halifax, N.S., B3M 2Z7.....443-0268
CROWE, Lionel L.....363...R.R.#1, Porters Lake, N.S., B0J 2S0.....421-2257
CUNNINGHAM, John W.....559...4 Plymouth Rd., Dartmouth,N.S., B2X 1X3.....462-3904
*CUSHING, David E.....429...57 Helene Ave., Dartmouth, N.S, B2X 1G5.....465-7300
CUTLER, Brian E.....496...R.R.#1, Enfield, N.S., B0N 1N0.....
*CYR, D. Allan.....563...Box 904, Kentville, N.S., B4N 4H8.....678-6003

D

*DANIELS, Robert A.....396...11 Clearview Cres., Dartmouth, N.S., B3A 2M9..455-1537
*DEARMAN, Nicholas W.....530...81 Hannebury Dr., Dartmouth, N.S., B2V 1P7....435-2561
*DEARMAN, Ronald C.....317...1 Elm Street, Yarmouth, N.S., B5A 2P6.....742-4655
DECOSTE, S. Anderson.....567...R.R.#1, Monastry, N.S., B0H 1W0.....232-3046
*DELOREY, John J.....553...R.R.#2, Linwood, N.S., B0H 1P0.....232-2350
*DEWOLFE, Derik.....546...Box 404, Middleton, N.S., B0S 1P0.....825-3930
*DIGOUT, Arthur V.....281...65 Rosedale Ave., Fairview, N.S., B3N 2J4.....443-9678
DONOVAN, Robert J.....232...837 Charlotte St., Fredericton, N.B., E3B 1M7.....
*DOOGUE, Terry R.....376...No. 3, Ashdale Ave., Halifax, N.S., B3N 2C7...455-1537
DUGAS, Joseph Paul.....526...Box 39, Belliveau Cove, Digby Co, NS, B0W 1J0.837-7349
*DUMARESQ, J. Philip.....99...1009-5959 Spr.Gdn.Rd., Halifax, NS, B3H 1Y5...429-2350
DUNBAR, John A.....235...503 Pictou Rd., Bible Hill, NS, B2N 2T9.....895-9608
DUNBAR, Richard E.....327...RR#1, Antigonish, N.S., B2G 2K8.....863-3590
*DUNBRACK, Roy A.....247...Box 2645, Windsor, N.S., B0N 2T0.....798-8122
DUNNING, John S.....335...Comp 6, Site 30, RR#3, Sydney, NS, B1P 6G5....562-7152

Name	Registration #	Address	Phone #

E

EDDY, Norman R.	221	Box 99, Truro, N.S., B2N 5B6	546-6631
EDWARDS, Harry M.	341	RR#4, Bridgewater, NS, B4V 2W3	354-2113
*EISNOR, Gerald D.	525	RR#3, Lunenburg, NS, B0J 2C0	543-4011
ELDRIDGE, Donald L.	65	209 Pleasant St., Truro, N.S., B2N 3S7	424-4121
ELLIOTT, Lewis E.	236	New Ross, N.S., B0J 2M0	389-2439

F

*FEE, Jeff.	595	15 Lyons Ave., Halifax, N.S., B3P 1H6	455-1537
FEETHAM, L. Robert.	222	RR#1, Enfield, Hants Co., N.S., B0N 1N0	883-9180
FITZNER, Robert D.	467	2410 Armcrescent East, Hfx, NS, B3L 3C7	422-2460
*FLINN, Robert J.	483	5162 Duke St., Halifax, NS, B3J 2N7	429-0008
FOSTER, Thomas S.	320	6430 Edgewood Ave., Halifax, NS, B3L 2N8	445-3811
*FULTON, Ray A.	390	RR#5, Truro, NS, B2N 5B3	895-4108

G

GARLAND, Clinton C.	438	Box 332, Enfield, NS, B0N 1N0	426-6974
GATES, William H.	371	58 Doull Ave., Halifax, NS, B3N 1Y7	421-6927
GEORGE, Valerie E.	587	16 Wanstead Ave, Scarborough, Ont., M1L 3L4	
GILLIS, James B.	427	Box 328, Middleton, NS, B0S 1P0	
GILMORE, Arthur C.	252	7 Skeena st., Dartmouth, NS, B2W 1P7	434-6140
*GLENN, J. Gary.	407	Apt#1103, 290 Main Ave, Hfx, NS, B3M 3V3	861-3998
GRANT, Athol C.	368	Box 412, Baddeck, NS, B0E 1B0	295-3486
GRANT, Gary G.	404	RR#1, Truro, NS, B2N 5A9	895-2131
*GRANT, James W.P.	414	Site 11, Box 72, RR#3, Sydney, NS, B1P 6G5	562-1130
GREENE, Michael E.	510	RR#7, Amherst, NS, B4H 3Y5	667-9254
*GREENE, Richard E.	387	39 Scenic Dr., Truro, NS, B2N 5N9	895-9326
GUNN, James D.	494	33 George St., Sydney, NS, B1P 1H4	563-2280

H

HALE, J. Roy.	38	Box 306, Church St, Westville, NS, B0K 2A0	396-4868
*HALL, Everett B.	323	Box 885, King St, Digby, NS, B0A 1A0	245-2924
HANIFEN, J. Edward.	328	RR#1, Guysborough, NS, B0H 1N0	533-3503
HARDY, Wayne D.	432	28 Common St., Sydney, NS, B1P 3L1	562-3528
HARNISH, William D.	453	Box 159, St. Peter's, NS, B0E 3B0	535-2731
*HARTLEN, Carl K.	544	Comp 48, Fenerty Rd, RR#2, Lr. Sack, NS	865-2843
*HARTLEN, Mervin W.	365	Box 32, Liverpool, NS, B0T 1K0	354-5943
*HARVEY, Leonard M.	78	Box 352, Baddeck, NS, B0E 1B0	295-2380
*HARVEY, Paul G.	509	Box 514, Baddeck, NS, B0E 1B0	794-7911
HEBB, Barrie F.	333	85B Convoy Ave., Halifax, NS, B3N 2P9	424-3163
*HEBB, Errol B.	7	Box 385, Bridgewater, NS, B4V 2W9	543-3915
*HICKS, H. Kirk.	505	RR#1, Berwick, NS, B0P 1E0	538-8883
*HIGGINS, Norval S.	475	RR#2, Wolfville, NS, B0P 1X0	434-7300
HILTZ, David R.	280	21 Stevens Rd., Dartmouth, NS, B2W 1P6	434-0784
*HIMMELMAN, David E.	500	LaHave, Lunenburg Co., NS, B0R 1C0	543-3915
HINGLEY, G. Edward.	342	Box 65, Debert, NS, B0M 1G0	662-2226
HOLLINGUM, Edward G.	237	60 Clayton Park Dr., Halifax, NS, B3M 1L9	443-1115
*HOPE, Robert R.	528	229 Pleasant St., Dart., NS, B2Y 3R5	469-5314
HOWARD, Stephen.	596	Box 1137, Stellarton, NS, B0K 1S0	755-6938
*HUMPHREYS, Rodney E.	520	Box 507, Waverley, NS, B0N 2S0	423-7866
*HUNT, Robert L.	193	Box 1118, Liverpool, NS, B0T 1K0	354-5182
*HUNTER, Allen M.	384	Box 42, Windsor Junction, NS, B0N 2V0	861-3922
HUSKINS, Lyman E.	288	Box 117, Milton, Queens Co., NS, B0T 1P0	354-3411
*HUTCHINSON, Fred C.	379	149 Amaranth Cres, Cole Hbr., NS, B2W 4C1	468-2273

I

ISAACS, Gordon S.P.	451	Box 33, RR#4, D'Orsay Rd, Amherst, NS	667-7249

J

JACKSON, Walter E.	447	24 Amaranth Cres, Cole Hbr., NS, B2W 4B9	434-5838
JEFFERSON, Glen E.	188	40 Gateway Rd, Halifax, NS, B3M 1M9	443-2039
*JEFFREY, Edward G.	580	91 Fairbanks St, Dartmouth, NS, B3A 1C5	469-7085
JENKINS, H.E. Garth.	440	Box 3262, Charlottetown, PEI, C1A 8W5	892-3467
JOHNSTON, D. Lee.	388	Box 21, Site 9, RR#1, Porters Lake, NS	827-4785
JONES, Dennis A.	426	Box 44, Site 12, RR#3, Sydney, NS, B1P 6G5	563-2280

Name	Registration #	Address	Phone #

J Continued

*JOSEPH, Neiff	257	Box 87, MacCulloch Rd, Bridgewater, NS, B4V 2W6	543-4011
JOUDREY, Douglas W.	325	Chester Basin, NS, B0J 1K0	275-3075

K

KAULBACK, John A.C.	296	RR#1, Coldbrook Station, NS, B0P 1K0	678-8442
*KEEN, Chester A.	17	2345 Quinn St., Halifax, NS, B3L 3E5	422-2332
*KEEN, Emerson C.	249	Box 160, Stewiacke, NS, B0N 2J0	639-2274
*KIMBALL, Curtis C.	573	Box 626, Windsor, NS, B0N 2T0	798-4400
KING, Graeme H.	262	53 Moira St., Dartmouth, NS, B3A 3L1	466-5498
KRESSNER, Gordon R.	353	1034 Old Farm Lane, New Minas, NS, B4N 4K8	679-1782

L

*LAKE, Bruce A.	569	Box 2342, Windsor, NS, B0N 2T0	798-8576
LAWRENCE, Robert B.	319	Box 155, Brookfield, NS, B0N 1C0	895-1571
LEBLANC, Cyril	550	RR#1, Margaree Harbour, NS, B0E 2B0	235-2941
*LEOPOLD, Granville M.	268	Box 2, Site 8, Silverside Dr, Waverley, NS	455-1537
LEWIS, P. Courtney	503	10 Highland Cres., Dartmouth, NS, B2W 2L3	424-3234
*LIVELY, Harold S.	418	Box 155, Enfield, NS, B0N 1N0	835-9955
LOGAN, John R.	374	RR#2, Caledonia, NS, B0T 1B0	242-2770
*LOHNES, Peter A.	556	1595 Oxford St., Apt#2, Halifax, NS, B3H 3Z3	434-7300
*LONGSTAFF, Frank	279	216 Victoria Rd., Dartmouth, NS, B3A 1W3	466-2176
*LORD, Kenneth M.	516	Site 87, Comp 41, RR#1, Bedford, NS, B4A 2W9	423-7866
LORIMER, David F.	518	2359 Agricola St., Halifax, NS, B3K 4B7	421-6974
LOVELL, Horace R.	539	RR#1, Lingan Rd., River Ryan, NS, B1H 4K2	862-7770
LUMSDEN, Howard R.	490	135 Mona Dr., Toronto, Ontario, M5N 2R7	482-5434
*LYON, John L.	428	Box 125, Falmouth, NS, B0P 1L0	798-4400

Mac AND Mc

*MacCALLUM, Albert R.	331	164 Pleasant St., Box 420, Stellarton, NS	752-5617
*MacCULLOUGH, Alan C.	565	73 Russell St., Dartmouth, NS, B3A 2L4	469-3746
MacDONALD, Alan	470	19 Sherbrooke Dr., Halifax, NS, B3M 1P5	443-2313
*MacDONALD, Douglas K.	275	55 Downs Ave., Halifax, NS, B3N 2Z1	455-1537
MacDONALD, Duncan R.	502	Hopewell, Pictou Co., NS, B0K 1C0	923-2258
MacDONALD, Edward V.	346	55 Sycamore Lane, Lr. Sackville, NS, B4C 1E8	865-4683
MacDONALD, Greg J.	311	375 Meadowlark Dr., New Glasgow, NS, B2H 1S2	755-1304
MacDONALD, Grant T.	459	Box 24, Oxford, NS, B0M 1P0	447-3484
*Macdonald, Ivan P.	211	39 Doull Ave., Halifax, NS, B3N 1Y8	477-1930
*MacDONALD, J. Carl	217	69 Main St., Glace Bay, NS, B1A 4X8	849-3894
*MacDONALD, Kenneth P.	245	38 Hillside Ave., Truro, NS, B2N 4K8	895-1770
MacDONALD, Roddie J.	285	RR#1, Iona, Vic. Co., NS, B0A 1L0	752-9949
MacDONALD, W. Bruce	564	c/o MBPPC, Box 401, Hantsport, NS, B0P 1P0	542-3034
MacDONALD, Willard M.	411	Box 12, Boylston, NS, B0H 1G0	533-3503
MacEACHERN, D. Jerome	512	RR#1, Inverness, NS, B0E 1N0	258-2572
*MacGILLIVRAY, Terry A.	591	RR#7, Williams Point, Antigonish, NS, B2G 2L4	864-2258
MacGREGOR, Duncan A.	336	RR#4, New Glasgow, NS, B2H 5C7	752-8461
*MacINNIS, Ian	45	West Bay, Inverness Co., NS, B0E 3K0	345-2479
MacINNIS, John C.	293	292 Portland St., Dartmouth, NS, B2Y 1K4	421-2184
*MacINNIS, Richie F.	537	RR#5, New Glasgow, NS, B2H 5C8	922-2924
*MacINNIS, Roderick K.	439	West Bay, Inverness Co., NS, B0E 3K0	345-2479
MacINTYRE, Brian J.	594	10 Belevedere Ave., Dartmouth, NS, B2X 2M9	445-2990
*MacKEEN, Clive S.	511	Aspen, Guysborough Co., N.S., B0H 1E0	783-2648
*MacKINNON, Raymond M.	497	102 Lorne St., Sydney, N.S., B1P 4H2	564-6019
*MacKINNON, Russell V.	504	Box 416, Sydney, NS, B1P 6H2	562-0554
MacLEAN, N. Earle	406	3371 St. Andrews Ave., Halifax, NS, B3L 3Y2	455-1309
MacLEAN, Robert A.	499	47 Susan Court, Truro, NS, B2N 5S8	895-3204
*MacLELLAN, C. Joseph	273	42 West St., Antigonish, NS, B2G 1R8	863-1220
*MacLEOD, Alexander E.	555	31 Erskine St., Dartmouth, NS, B2Y 1P7	463-8472
*MacLEOD, V. Douglas	543	284 Brunswick St., Truro, NS, B2N 2J3	895-9766
MacNEIL, Michael F.	402	Box 126, Lawrencetown, NS, B0S 1M0	584-3666
*MacPHEE, Stewart E.	370	23 Wedgewood Dr., Antigonish, NS, B2G 1J4	863-5322
*MacQUARRIE, Bruce A.	570	23 Scenic Drive, Truro, NS, B2N 5N9	895-4034
MacQUARRIE, Donald L.	96	Box 56, RR#3, Baddeck, NS, B0E 1B0	295-2692
McBURNEY, R. Grant	592	RR#1, Middleton, NS, B0S 1P0	825-3723
McDONALD, Alex M.	179	Box 246, Mahone Bay, NS, B0J 2E0	624-9365
*McELMON, John A.	208	202 Brownlow Ave., Dartmouth, NS, B3B 1T5	468-9331
McKENNA, Michael P.	575	RR#1, Lawrencetown, NS, B0S 1M0	584-7118
*McNEIL, James D.	529	11 Trinity Ave., Dartmouth, NS, B3A 4H6	464-9908

Name	Registration #	Address	Phone #
MAHAR, Bruce	597	2771 Deacon St., Halifax, NS, B3L 3J3	443-0268
*MAILMAN, Wayne S.	589	78 Marlboro Dr., Bridgewater, NS, B4V 2Y3	543-5756
MARSHALL, John W.	271	Lawrencetown, NS, B0S 1M0	584-3559
MASLAND, Chris P.	443	Box 692, Liverpool, NS, B0N 1K0	354-3411
MASON, William F.	324	86 Jubilee Rd., Bridgewater, NS, B4V 2A6	543-3271
MEHLMAN, Douglas B.	372	Comp 30, Barrett Subd., Lr.Sack, NS,	865-6605
MEHLMAN, Gerald L.	367	Box 14, Cape Negro, Shel. Co., NS	875-3018
MEISTER, Roger B.	318	Box 53, New Ross, NS, B0J 2M0	424-4298
MELANSON, Roger F.	141	Box 68, Mill Village, NS, B0J 2H0	677-2464
*MELDRUM, Hazen B.	197	3489 Marydale Ave, Cornwall, Ont., K6K 1P6	
MILLAR, W. Bruce	366	3196 Stanford Ave, Halifax, NS, B3L 4E1	454-0215
*MILLER, Lawrence G.	568	RR#2, Armdale, NS, B3J 4J2	455-1537
MILLER, Robert A.	226	713 Cleveland Ave, Riverview, NB, E1B 1Y7	382-0551
*MILLIGAN, Steven W.	507	Site #8, Comp 24, RR#1, Dart, NS, B2W 3X7	465-7300
*MILNER, B.W.	151	Box 2403, Windsor, NS, B0N 2T0	453-0304
MILO, Philip M.	277	Lawrencetown, NS, B0S 1M0	584-2226
MONAGHAN, J.W. Lawrence	383	44 UpJohn Rd, Don Mills, Ont., M3B 2W1	441-6025
MUISE, Patrick D.	566	#402-1350 Comox St, Vancouver, BC, V6E 4E1	
*MUNRO, Kevin W.	583	RR#2, New Germany, NS, B0R 1E0	
MURRAY, Peter A.	456	17 Clayton Pk. Dr., Halifax, NS, B3M 1L4	
*MYRA, Glen R.	584	Site 8, Comp 30, RR#1, Dart., NS, B2W 3X7	434-3529

N

NEWBERY, Frederick W.	186	19 Carnation Cres., Halifax, NS, B3R 2E8	477-1547
*NOLAN, Frederick G.	84	Box 486, Bedford, NS, B4A 2Y2	835-3038
*NUTTER, Kirk T.	481	Lantz P.O., Lantz, NS, B0N 1R0	758-2332

O

O'BRIEN, Robert E.	303	Box 359, Enfield, NS, B0N 1N0	883-9287
OSMOND, Jack	300	13 Applewood, Dartmouth, NS, B2X 2Z1	462-2848
OWEN, Allen J.	536	29 Erin Dr., Dartmouth, NS, B2W 2B9	469-9649

P

PARKER, Donald L.	375	Box 2, RR#1, Brookfield, NS, B0N 1C0	424-8681
*PARKER, Garry S.	455	Head Chezzetcook, NS, B0J 1N0	827-2974
PATRIQUIN, Sheldon C.	322	110 Lavinia St, New Glasgow, NS, B2H 1N8	752-2567
PERTUS, John W.	111	3377 St. Andrews Ave, Halifax, NS, B3L 3Y2	455-7437
PETERS, Michael H.J.	576	RR#1, Margaree Hbr, NS, B0E 1N0	258-3249
PODETZ, George	545	36 Queen St, Sydney Mines, NS, B1V 1L5	736-6177
*POPE, John S.	140	107 Royal Ave, Sydney, NS, B1P 4M2	562-1130
POTTER, Brian P.	361	Box 818, Charlottetown, PEI, C1A 7L9	894-5531
POTTIER, Gerald A.	394	RR#3, Box 17, Tusket, NS, B0W 3M0	742-4196
POTTIER, Raymond V.	560	Box 86, RR#3, Tusket, NS, B0W 3M0	463-0041
PRENDERGAST, Dennis	551	Box 23, Donkin, NS, B0A 1G0	
PULSIFER, Donald W.	340	Site 13, Box 18, RR#2, Tantallon, NS	454-5841
PURCELL, Donald V.	321	4 Monarch Dr, Bedford, NS, B4A 1R8	835-9797

R

*RAFUSE, MacAllister	201	Box 95, Lr. Sackville, NS, B4C 2S8	865-1910
*RAYWORTH, Walter C.	399	73 Spring St., Amherst, NS, B4H 1S6	667-2017
REARDON, Kenneth V.	278	Box 877, Dartmouth, NS, B2Y 3Z5	455-2751
REDDEN, James A.	572	RR#1, Christmas Island, NS, B0A 1C0	562-1130
*REDDEN, Robert S.	457	461 Clifton Ave, Box 676, Windsor, NS,	798-4400
RICE, Edward P.	246	238 Elm St, New Glasgow, NS, B2H 1Y6	755-1870
RIX, Donald	307	RR#1, Lake Major, Box 63, Site 19, Dart, NS.	434-0774
*ROBB, Kenneth W.	225	10 Caldwell Rd, Dart, NS, B2V 1A1	434-1574
*ROBERTS, David T.	420	No. 1 Willow St, Parrsboro, NS, B0M 1S0	667-2017
ROBERTS, Fred W.	354	78 Russell St, Dart, NS, B3A 3N5	469-7227
*ROSINSKI, Otto P.	269	RR#3, New Glasgow, NS, B2H 5C6	752-6176
ROSS, John W.	413	RR#1, Stellarton, NS, B0K 1S0	922-3417
*ROSS, William E.	515	RR#2, Caledonia, NS, B0T 1B0	242-2460
RUTLEDGE, Steven L.	561	RR#3, Truro, NS, B2N 5B2	752-8465
RYAN, Jack H.	316	Box 85, RR#2, Falmouth, NS, B0P 1L0	424-4090

Name	Registration #	Address	Phone #

S

SARTY, Robert F.	241	210 Glenforest Dr, Apt#5, Halifax, NS	443-9112
SCHOFIELD, Laurie	144	Box 482, Hantsport, NS, B0P 1P0	684-3236
*SEAMONE, Douglas A.	265	536 Main St, Kentville, NS, B4N 2L1	678-2774
*SELLERS, George R.	435	11 Faulkland St, Box 429, Pictou, NS	485-6095
SEMPER, Robert O.	229	615 Booth St, Ottawa, Ont., K1A 0E9	995-4368
SETCHELL, Stewart R.	513	34 Dover St, Dartmouth, NS, B1R 1H2	539-0885
SMITH, Burney A.	290	Box 50, RR#1, Lr. Sack, NS, B4C 2S6	865-2500
*SMITH, Eric D.	216	Box 1131, Moncton, NB, E1C 8P6	857-1675
*SMITH, S. Gregory	527	Gen. Del, Shub., Hants Co, NS, B0N 2H0	758-2616
SMITH, Lewis O.	110	Box 105, Port Hastings, NS, B0E 2T0	625-1516
SNOW, Stirling	177	274 Willow Ave, New Glasgow, NS, B2H 2A3	752-8461
SPENCE, Grayden D.	56	St. Croix, Hants Co, NS, B0N 2E0	354-3405
SPIDLE, Darryl R.	419	15 Reese St, Liverpool, NS, B0T 1K0	354-5269
STERNS, William S.	571	RR#1, Pictou, NS, B0K 1H0	
*STEEVES, David A.	585	Dept. L & F, 780 Windmill Rd, Dart, NS	424-8681
*STODDART, Shaun	534	Gen. Del, Aylesford, NS, B0P 1C0	847-9329
STONE, Paul C.	433	101 Elizabeth Ave, Bridgewater, NS, B4V 1M1	543-4733
*SULLIVAN, Hugh J.	330	Box 1477, Antigonish, NS, B2G 2L7	863-1465
SURETTE, Richard J.	444	Box 588, Port Hawkesbury, NS, B0E 2V0	625-3583
*SUTHERLAND, John	416	Box 608, New Glasgow, NS, B2H 5E7	755-4989
*SWANSON, A. Tom	425	Alderney Consultants, 327 Prince Alb. Rd	465-7300
SWINAMER, Victor E.	386	Box 2222, Windsor, NS, B0N 2T0	424-4028

T

*TANNER, Michael S.	588	Box 265, Lakeside, Hfx. Co, NS, B0J 1Z0	
*TAYLOR, Lloyd K.	437	RR#5, Antigonish, NS, B2G 2L3	533-2199
TELFER, Leonard W.	332	Box 447, Middleton, NS, B0S 1P0	584-2226
THERIAULT, Richard J.	158	10 Bohaker St, Annapolis Royal, NS, B0S 1A0	
*THOMPSON, J. Forbes	270	2795 Melton Ave, Halifax, NS, B3L 3Y9	455-3875
THOMPSON, Ken G.	165	7 Roosevelt Ave, Truro, NS, B2N 1B7	895-4243
THOMPSON, William A.	351	Box 300, Picken St, Westville, NS, B0K 2A0	396-5000
*THORNE, David S.	423	Box 548, Shelburne, NS, B0T 1W0	875-2110
TINGLEY, Lester	535	Cape North, Vic. Co., NS, B0C 1C0	295-2179
TURNBULL, David N.	541	RR#1, Port Morien, NS, B0A 1T0	737-2390
TURNER, Bruce	482	RR#1, New Ross, NS, B0J 2M0	543-2394
*TURNER, Erwin R.	431	RR#2, Bridgewater, NS, B4V 2W1	543-3915

V

*VAUGHAN, J. Philip	462	Box 2045, Stn. M, Halifax, NS, B3J 2Z1	425-3980
VAUGHAN, Stephen O.	436	52 Jubilee Lane, Sack, NS, B4E 1H9	865-6599
*VERNER, Earl J.	113	15 Alma St, Sydney River, NS, B1S 1S8	564-6248
*VERNER, M. Geoffrey	540	15 Alma St, Sydney River, NS, B1S 1S8	564-6248
*VERNER, Gregory	533	15 Alma St, Sydney River, NS, B1S 1S8	564-6248

W

*WADDEN, M. Gary	542	Box 374, Westville, NS, B0K 2A0	
*WADDEN, Mervin H.	218	Box 527, Westville, NS, B0K 2A0	396-4553
WAGSTAFF, Donald E.	36	Box 344, Brooklyn, Queens Co, NS, B0J 1H0	354-5594
WALLACE, Alfred E.	398	1350 Bedford Hwy, #2, Bedford NS, B4A 1E1	835-9955
WALLIS, Ronald G.	360	Box 22, RR#1, Richmond, Ont, K0A 2Z0	995-4570
WARD, Ross M.	524	Box 595, Amherst, NS, B4H 4B8	447-2115
WAUGH, John A.	466	Box 532, Amherst, NS, B4H 4A1	667-8726
WEAVER, J. Edward	574	900 Herring Cove Rd, Halifax, NS, B3A 1Z6	477-2101
*WEBBER, E.J. (Ted)	349	Lake Charlotte, Hfx. Co., NS, B0J 1Y0	845-2578
WEDLOCK, David H.	552	Box 1288, Middleton, NS, B0S 1P0	584-2226
WEDLOCK, Howard K.	112	109 Johnstone Ave, Dartmouth, NS, B2Y 2K8	466-4703
WENTZELL, Garnet E.	377	RR#1, Afton, NS, B0H 1A0	428-6001
WENTZELL, Robert R.	441	Box 31, Site 14, Windsor Junct., NS,	861-1350
*WENTZELL, Ronald G.	263	RR#1, Pleasantville, Lun.Co., NS, B0R 1G0	543-8282
*WHALEN, Ken M.	562	2973 Oxford St, Halifax, NS, B3L 2W3	455-3875
WHITE, Arthur A.	352	RR#1, Box 186, Armdale, NS, B3L 4J1	421-6989
WHITE, Keith T.	424	25 Tobermory Rd, Dartmouth, NS, B2X 1Z4	434-6642
WHITE, Ralph E.	382	134 Torwood Ct, Riverview, NB, E1B 2K5	386-4201
*WHITE, T.L. Stephen	586	Box 97, Shelburne, NS, B0T 1W0	
WHYTE, David J.	523	74 Jubilee La., Lr. Sack, NS, B4E 1H9	835-3634
WHYTE, Eric R.	514	115 Southampton Dr, Fredericton, NB, E3B 4T5	
*WILLISTON, Thomas G.	369	499 King George Hwy, Newcastle, NB, E1V 1M6	

WOLCHANSKY, Victor.....400...3631-112A St, Edmonton, Alb., T6J 1J9....423-5929
WOLFE, Brian D.....272...41 Landrace Cres, Dart, NS, B2W 2P8.....434-0391
WRIGHT, Albert J.....401...Tea Hill, RR#1, Charlottetown, PEI.....539-4145
WUHR, Mathias.....261...2129 Navaho Dr, Ottawa, Ont., K2C 0V3....995-4044

Y

YATES, Frank D.....195...136 Chelsa Ct., New Glasgow, NS, B2H 1V4.752-3033

Z

ZILLMAN, Elizabeth.....548...Margaree Centre, Cape Breton, NS, B0E 1Z0.....
ZINCK, L. Paul.....445...Site 14, Box 77, RR#2, Windsor Junct, NS.421-2261

THE ASSOCIATION OF NOVA SCOTIA LAND SURVEYORS

159 Portland Street, Suite 204
Dartmouth, Nova Scotia
B2Y 1H9

Telephone: (902) 469-7962

HOURS: 9-12 a.m. and 1-4 p.m.

Howard K. Wedlock, N.S.L.S.
Executive Secretary

Murna MacKinnon
Office Assistant

* DENOTES FULL TIME PRIVATE PRACTICE

ROLL OF STUDENT MEMBERS

1987 - 1988

A

Ashley, Robert.....#85-3....R.R.#1, Chezzetcook, N.S., B0J 1N0.

B

Brown, Kevin.....#86-3....R.R.#3, Timber Trails, Lr. Sackville, N.S., B4C 3A9.

C

Caines, Kevin.....#84-1....228 Brunswick St., Truro, Col. Co., N.S., B2N 2J1.
Chisholm, Allan.....#85-7....R.R.#1, Guysborough, N.S., B0N 1N0.

D

Delph, F.B.....# ....21 Millere Dr., Scarborough, Ontario, M1G 2A9.

F

Fogarty, Kevin.....#84-2....R.R.#3, Lunenburg, N.S., B0J 2C0.

G

Gillis, Frank.....#82-12...160 Hawthorne St., Antigonish, N.S., B2G 1B1.
Giovannetti, Thomas.#85-6....34 Kings St., Dartmouth, N.S., B2Y 2R4.

J

Johnson, Walter.....#86-4....R.R.#4, River John, N.S., B0K 1N0.
Jones, R. Kevin.....#85-4....1983 Vernon St., Halifax, N.S., B3H 3P1.

K

Keddy, Stephen.....#85-5....P.O. Box 586, Middleton, Anna. Co., N.S., B0S 1P0.

M

Morse, Eric.....#85-2....P.O. Box 206, Hantsport, N.S., B0P 1P0.

Mac/Mc

MacMillan, Mark.....#86-2....5475 Spring Garden Road., Halifax, N.S., B3J 1G2.
McIntosh, James.....#86-5....59 Pondicherry Cres., Dartmouth, N.S., B2W 5C4.

N

Nichols, Susan.....#86-6....Dept. of Surveying Engineering, UNB, P.O. Box 4400, Fredericton, N.B., E3B 5A3.

R

Ritchie, Michael....#87-1....c/o Hunter Surveys, P.O. Box 42, Windsor Junction, N.S., B0N 2V0.

S

Shaw, Burton.....#82-15...P.O. Box 46, Juniper, N.B., E0J 1P0.
Slaunwhite, Paul....#85-1....#201 - 21 Meadowbrook Dr., Bedford, N.S., B4A 1P7.

W

Wallace, Stephen....#86-7....Suite 2, 1350 Bedford Hwy., Bedford, N.S., B4A 1E1.
Weary, Holly.....#87-1....P.O. Box 1452, Liverpool, N.S., B0T 1K0.
Whynot, Mark.....#87-2....80 Dunns Crossing, Apt.#307, Fredericton, N.B., E3B 2A4.

FOR SALE

T.W.L. LYNCH Survey Records

Survey Field Books dating from 1914 to 1960, covering surveys in Dartmouth, Halifax, and vicinity, and Eastern Shore; also about 60 plans--white prints and some blue prints. Can be seen at 18 Dustan Street, Dartmouth. PHONE: 466-5459.

* * *

WOOD PRODUCTS DIVISION

WEBBER ENTERPRISES LTD.

LAKE CHARLOTTE, N.S. B0J 1Y0

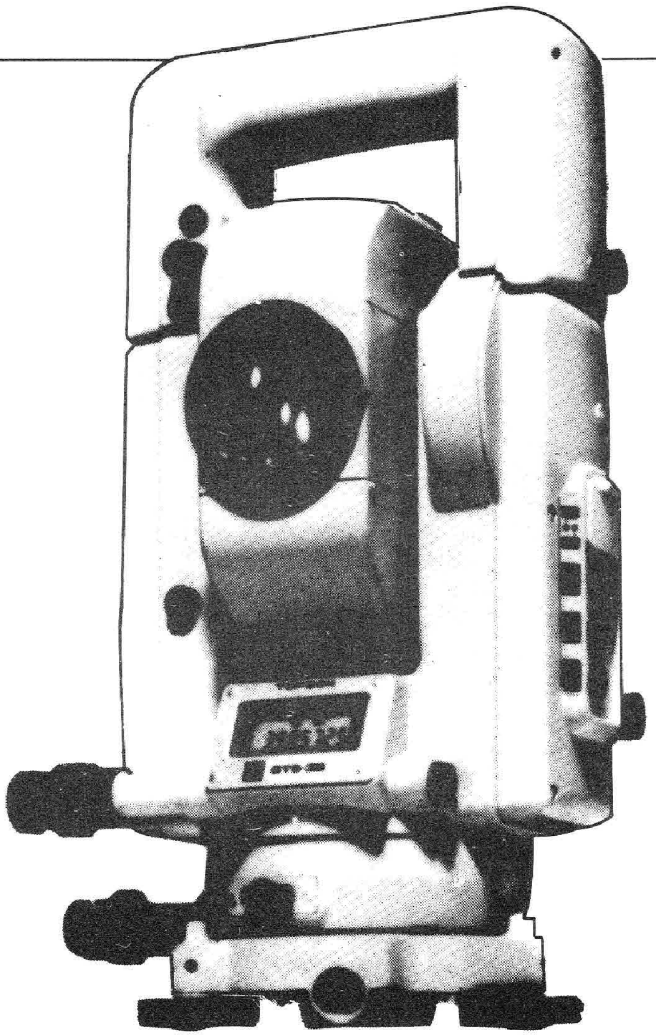
MANUFACTURERS OF

SURVEY STAKES & HUBS — HARDWOOD WEDGES

"MILLING WOOD TO CUSTOMER NEEDS"

FORD WEBBER - SALES 1 (902) 845-2211

What does it take to improve on the best value in total stations?



The Technology of Topcon.

TOPCON

norman wade company limited

5426 PORTLAND PLACE
HALIFAX, NOVA SCOTIA, B3K 1A1
429-5002

TOPCON GTS-3B

THE NEW ELECTRONIC TOTAL STATION.

The original GTS-3 and its companion data collector sets a new value standard for electronic total stations. Now, once again the technology of Topcon forges ahead of all the rest, with the introduction of the GTS-3B.

Now you can take readings to 1 second, as well as to 5 seconds on the bright LCD display. Now you can reach out to 2 km, under ideal conditions, with one prism; 2.8 km with three prisms. Now you can switch to a coarse tracking mode and collect data within 1½ seconds with Topcon data collectors.

A quick glance tells you the value and versatility built into this advanced, pushbutton digital instrument is nothing short of incredible.

The GTS-3B also has a two-speed tangent that makes it easier than ever to align your target with dead-on precision and an advanced battery pack that gives you 2½ hours in the field.

We could go on listing features forever, but there's no substitute for a personal field test.

Visit your nearest Norman Wade Company Limited location today for a no-obligation demonstration.

TOPCON

norman wade company limited
5426 PORTLAND PLACE
HALIFAX, NOVA SCOTIA, B3K 1A1
429-5002

MGA **MARITIME GRAPHIC ARTS**

Limited

GEODIMETER 440

THE SUCCESSOR TO THE TOTAL STATION

SPECIALS

FISHER BAR LOCATORS	**690.00**
HEAVY DUTY WOOD TRIPODS	**195.00**
FLAGGING - Flour Orange	**1.10**
WILD T-2 (Used)	CALL
MUTOH ELECTRONIC SCRIBER	**2450.00**

MARITIME GRAPHIC ARTS
3599 COMMISSION ST.
P.O. BOX 7164 N
HALIFAX, N.S.
B3K 5J5

(902) 453-5751