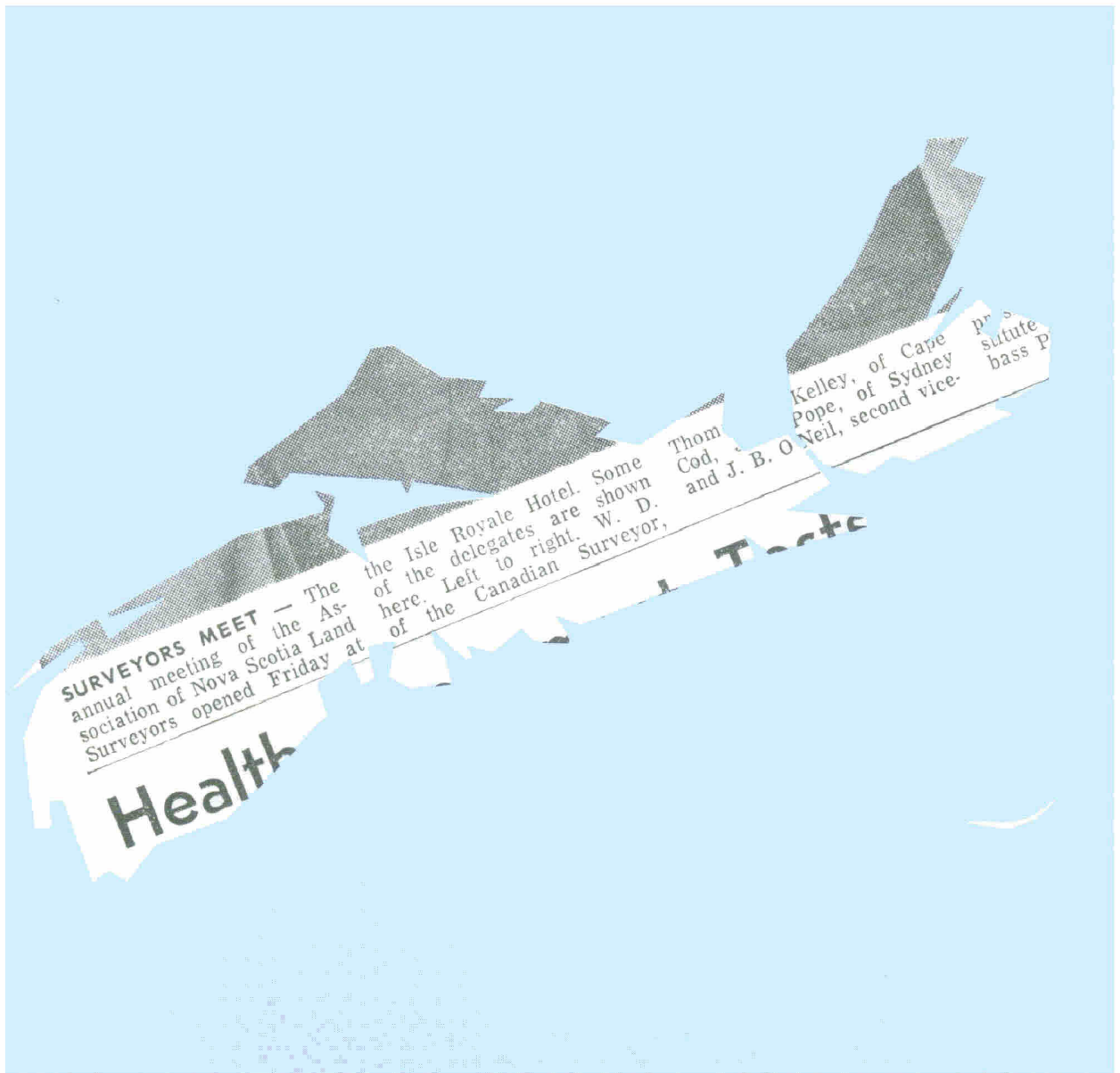


The NOVA SCOTIAN SURVEYOR



ANNUAL MEETING 1972



INFORMATION

DRAFTING, DESIGN, REPRODUCTION, SURVEYING, TECHNICAL SCHOOL
MATERIALS & EQUIPMENT; LETRASET & ACS TAPES; WADE DI-LINE &
DI-LAR, TRANSTEX & TRANSLAR PAPERS & FILMS; DRAWING TABLES.

NEW

WILD DISTOMATS

for reliability and economy

Wild now introduces a mini infra-red distancer, the new

DI 3 DISTOMAT.

The DI3 fits on Wild T1A, T16 and T2 Theodolites – 360° or 400g – giving, at a reasonable price, an

Electronic Reduction-Tacheometer,

a complete system for survey tasks of all natures including traversing, bearing and distance, setting out, tacheometry, detail work etc.

Tap in the vertical angle and read immediately the

Horizontal Distance AND Difference in Height.

Switch from feet to metres as required.

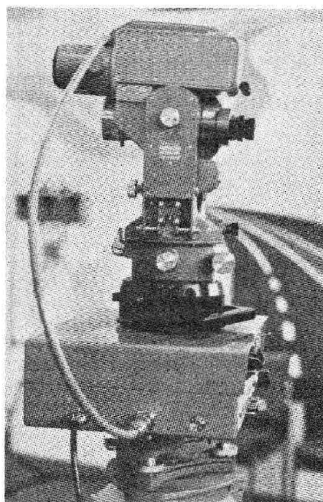
Take the result to the mm or 0.01 ft from a six-figure, luminescent diode display.

Measure 300 m (1000 ft) to a single prism, a practical range for tacheometry and setting out.

Dial-in the atmospheric correction and even the scale-factor.

Weight:	DI3	5.5 kg	12.1 lb
	Battery	3.3 kg	7.3 lb
Accuracy:	± 5 to 10 mm		± 0.02 to 0.03 ft

DI3 Recording Element available later.



WILD OF CANADA LIMITED

881 LADY ELLEN PLACE OTTAWA 3
(613) 722-4231 TELEX 013-3300

WILD
HEERBRUGG

423-8992
423-6603

norman wade company ltd

trade mart • scotia square • halifax • nova scotia

The NOVA SCOTIAN SURVEYOR

Published four times a year by

THE ASSOCIATION OF NOVA SCOTIA LAND SURVEYORS INCORPORATED

Walter E. Servant
Editor

William S. Crooker
President

Garnet F. Clarke
Secretary-Treasurer

Address all communications to P.O. Box 1541, Halifax, Nova Scotia

Founded 1951

Incorporated 1955

Vol. 25

JANUARY 1973

No. 72



CONVENTION OPENS — Premier Gerald Regan was in the city Friday to officially open the 22nd annual convention of the Association of Nova Scotia Land Surveyors. The convention is being held at the Isle Royale Hotel. Shown here are left to right, J. B. O'Neil, vice-president of the Canadian Institute of Surveyors, Premier Regan and Jake Okamura, president of the Alberta Land Surveyors Association. — Abbass Photo

CAPE BRETON POST, SATURDAY, NOVEMBER 4, 1972-3

- 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.

SLATE OF OFFICERS - 1972-73	-3
ASSOCIATION STANDING COMMITTEES	-4
MINUTES OF THE 22ND ANNUAL MEETING	- G. F. Clarke.....5
ATLANTIC PROVINCES PROGRAM	-24
EXHIBITORS	-25
GUEST SPEAKERS	-25
GUESTS	-26
REGISTERED MEMBERS	-27
PREMIER GERALD REGAN'S ADDRESS	-28
PRESIDENT J. F. DOIG'S ADDRESS	-30
ANNUAL REPORT OF SECRETARY-TREASURER	- G. F. Clarke.....32
FINANCIAL REPORT	- G. F. Clarke.....33
ACCEPTANCE SPEECH OF W. S. CROOKER	-35
NEWS ITEM	- C.B. Post, November 4, 1972.....36

ASSOCIATION OF NOVA SCOTIA LAND SURVEYORS

SLATE OF OFFICERS 1972-73

PRESIDENT.....	<i>William S. Crooker</i>	6 Julie's Walk, Halifax, N. S.	H-454-6749 0-455-4273
PAST PRESIDENT.....	<i>James F. Doig</i>	P. O. Box 44, Lawrencetown, Annapolis Co., N. S.	H-584-3410 0-584-3353
VICE PRESIDENT.....	<i>James D. Chisholm</i>	43 Rupert Street, Amherst, N. S.	H-667-3786 0-667-7231
SECRETARY-TREASURER.....	<i>Garnet F. Clarke</i>	68 Woodland Ave., Dartmouth, N. S.	H-463-7260 0-424-3234

COUNCILLORS

HALIFAX CITY.....	* <i>Ernest Boehk</i>	2751 Fuller Terrace, Halifax, N. S.	H-429-1508 0-424-6697
	** <i>Burney A. Smith</i>	P. O. Box 269, Lower Sackville, N. S.	0-455-1537
HALIFAX COUNTY.....	* <i>Murray J. Banks</i>	58 Swanton Drive, Dartmouth, N. S.	H-434-8863 0-424-6695
	** <i>E. J. 'Ted' Webber</i>	Lake Charlotte, Halifax Co., N. S.	35-1
WESTERN NOVA SCOTIA....	* <i>L. Eugene Elliott</i>	New Ross, Lunenburg Co., N. S.	389-2439
	** <i>Roger F. Melanson</i>	Mill Village, Queens Co., N. S.	677-2464
EASTERN NOVA SCOTIA....	* <i>David C. Clark</i>	230 Pleasant St., Truro, N. S.	H-895-4563 0-673-2281
	** <i>Edward P. Rice</i>	238 Elm Street, New Glasgow, N. S.	H-752-8291 0-755-3155
CAPE BRETON AREA.....	* <i>Victor J. Comeau</i>	P. O. Box 116, St. Peters, Richmond Co., N. S.	H-156 0-143
	** <i>Marcellin S. Chiasson</i> ...	Port Hood, Inverness Co., N. S.	
COUNCILLORS-AT-LARGE...	* <i>Ivan P. Macdonald</i>	39 Doull Avenue, Halifax, N. S.	H-477-1930 0-424-3234
	** <i>John C. MacInnis</i>	292 Portland St., Dartmouth, N. S.	H-466-5716 0-466-7401 Loc. 176

* Term ends November 1973

** Term ends November 1974

**** RELEVANT BOARDS AND COMMITTEES OF THE ASSOCIATION ****

Board of Examiners for Nova Scotia Land Surveyors:

- | | |
|---------------------|--|
| A. F. Chisholm | - Elected by Council - Chairman |
| W. S. Crooker | - President, Association of Nova Scotia Land Surveyors |
| H. B. Robertson | - Acting for Deputy Minister of Department of Lands and Forests |
| Arthur H. Abbott | - Appointed by the Association of Professional Engineers of Nova Scotia |
| Joseph F. Archibald | - Appointed by the Minister of the Department of Lands and Forests - Secretary |
| Roy A. Dunbrack | - Elected by Council - Member at Large |

* * * *

Discipline Committee:

James D. Chisholm - Vice-President -
Chairman
John C. MacInnis - Vice-Chairman
Roger Melanson
'Ted' Webber
Murray Banks
Victor Comeau
Ivan P. Macdonald

Complaints Committee:

Garnet F. Clarke - Secretary-Treasurer -
Chairman
John C. MacInnis
Burney Smith

Legislative Committee:

James D. Chisholm - Chairman
Donald Eldridge

Survey Technicians Committee:

Ivan P. Macdonald - Chairman
Fred Hutchinson

Minimum Tariff & Private Practice Committee:

John C. MacInnis

Surveys Act Regulations:

David C. Clark

Associations Future & Financial Committee:

Edward P. Rice
Russell Melanson

Monumentation Standardization Committee:

Ed Hingley
Al Wallace

Surveyors & Engineers Liaison Committee:

Donald Rix

Resolutions Committee:

Roger Melanson

Editorial Board:

Walter Servant - Editor
Ivan P. Macdonald
Roy Dunbrack

THE ASSOCIATION OF NOVA SCOTIA LAND SURVEYORS

TWENTY-SECOND ANNUAL MEETING

NOVEMBER 2, 3 AND 4, 1972

SYDNEY, NOVA SCOTIA

- MINUTES -

FRIDAY, NOVEMBER 3, 1972 - 10:00 A.M.

President J.F. Doig asked all those in attendance to please be seated and the meeting began.

Mr. Edward Kyte, Warden of the Municipality of the County of Cape Breton and Mr. Carl Neville, Mayor of the City of Sydney welcomed the members and guests to the area.

President Doig then introduced Mr. Gerald Regan, Premier of Nova Scotia, to officially open the 22nd Annual Meeting. (See the Premier's address page 28).

President Doig then called the meeting to order, welcomed and introduced the visitors and guests as follows:

Mr. George Lawrence	- Representing E. L. Ball, President of the Association of Newfoundland Land Surveyors
Mr. James Boldon	- President, Association of New Brunswick Land Surveyors
Mr. Everett A. Green	- Supervisor, Institute of Applied Arts and Technology, Province of Nova Scotia
Mr. Sydney G. Hancock	- President, Association of Ontario Land Surveyors
Mr. Thomas E. Kelley	- President, Cape Cod Society of Professional Engineers and Land Surveyors, also representing the President of MALSC
Mr. Takeshi Okamura	- President, Alberta Land Surveyors Association
Mr. James B. O'Neill	- Representing the President, Canadian Institute of Surveying
Mr. David Latimer	- President A.P.E.N.S.

PRESIDENT'S REPORT -

President Doig presented his report to the meeting.

The President asked that the members stand for a moment of silence in respect to the following members who passed away during the year:

Mr. Arthur Foster, Mr. Walter Lahey and Mr. Ray Wadge.

MINUTES OF TWENTY-FIRST ANNUAL MEETING -

Mr. L.R. Feetham moved that the minutes of the Twenty-First Annual Meeting be adopted as written and distributed. Seconded by John MacInnis. Motion carried.

FINANCIAL REPORT -

Mr. G. F. Clarke moved that the Financial Report be adopted as presented and distributed to members attending the meeting. Seconded by Mr. L. R. Feetham. Motion carried.

SCRUTINEER'S REPORT -

In accordance with Section 19, of the By-laws of the Association, a list of candidates was mailed out two weeks prior to this meeting.

The Secretary-Treasurer then read the results of the election of officers for the coming year:

President	- W. S. Crooker
Vice President	- J. D. Chisholm
Secretary-Treasurer	- G. F. Clarke
Councillors:	
Halifax City	- Bernie Smith
Halifax County	- E. J. 'Ted' Webber
Western Nova Scotia	- Roger Melanson
Eastern Nova Scotia	- E. P. 'Ed' Rice
Cape Breton	- Marcellin Chaisson
Councillor at Large	- John MacInnis.

At this point in the program President Doig introduced Mr. David Latimer, President of the Association of Professional Engineers of Nova Scotia and asked him to speak. The text of his speech follows:

President Doig and fellow Surveyors, I would like to thank you, first of all, for inviting me to attend your 22nd Annual Meeting. During my term as President of the Professional Engineers this year we have had a good deal of involvement with your Association. I think right from the opening day that our Council took over last November I guess we had what seemed to be an emergency type executive meeting at which we would spend a couple of hours discussing land surveyors' affairs. So right from the opening gun last year we have been interested in what you people are doing and how it affects us. Certainly I can tell you that the Professional Engineers have a great deal of confidence now in what Land Surveyors are doing and the way in which they are conducting their affairs and their Association. We are particularly proud of the fact that your incoming President is a member of our Association, and also our appointee to the Board of Examiners for Nova Scotia Land Surveyors, Mr. Arthur Abbott, is also a Land Surveyor and a member of your Association; and we certainly feel that we can look forward to a period of cooperation between the two professional bodies. I think that some of the concerns of the past on the part of Professional Engineers have been that they see some of their rights being taken away from them by a whole body of people that want to call themselves Engineers now; we have got everything from sanitary engineers to medical engineers and St. Mary's University is now talking of Management Engineering. A lot of these people are, it seems to me, moving in on our territory and I think that when the Land Surveyors originally proposed to try to elbow the engineers out of the Land Surveying business I think the Engineers took the attitude of "well we had better be careful here, we have had enough taken away from us, so before we give anything else away we had better take a very careful look at it". Well, I can tell you that we did take a very careful look at it this year and in the final analysis we were satisfied that what you people were looking for was reasonable and it seemed only logical to us that people who practised land surveying should be a member of your Association. We have given a lot of thought to this and I would say the majority of our membership are behind us on this, although there are a few people who feel we may be giving things away, but I think that we are satisfied that land surveying has progressed to the point where it is necessary to have the sort of input that people can get from an Association such as yours and only get there in order to practise land surveying properly.

I think perhaps as the meeting progresses, I may have the chance to make a few more comments relating to Engineers and Land Surveyors, but I want to tell you now how happy I am to be here and congratulate you on what appears to be a successful meeting. Thank you very much.

FINANCIAL COMMITTEE REPORT -

Mr. E. P. Rice presented the report as follows:

While I was Secretary-Treasurer there were so many things happening, such as getting telephone calls and finding out that next day you had to have legislation prepared for a Council Meeting or even go directly to the Legislature, etc. I felt that one thing this Association was not doing was planning for the future. Everybody is doing this now but we never seem to be getting on with it; all across the province there are planning commissions, corporations, etc., all concerned with planning. So after I left my post as Secretary-Treasurer I felt that this was a challenge to me and I would like to look into the future of our Association and start planning, both current and long range. So with this in mind we have made a start, we have not got that far yet but at least we have a budget for next year, which is something we never had before. I am a member of the Financial Committee and I present this budget and hope to follow it through.

1973 BUDGET FORECAST

REVENUES:

Dues	\$ 7,200
22nd Annual Meeting	4,100
Examination Fees	1,500
The Nova Scotian Surveyor	800
Professional Stamps	100
Subscriptions	80
Interest	120
Membership Certificates	40
Miscellaneous	60
	<hr/>
	<u>\$14,000</u>

EXPENDITURES:

Honorarium	\$ 500
22nd Annual Meeting	5,100
Board of Examiners	1,500
The Nova Scotian Surveyor	1,500
Professional Stamps	150
Stenographic Services	600
Travelling Expenses	1,200
Solicitor Fees	500
Roll of Members	350
Council Meetings	500
Regional Meetings	100
Postage and Telephone	600
Printing	300
Supplies (Stationary)	<hr/>
	<u>\$13,100.</u>

Net Receipts over Expenditures - \$900

Net Receipts to be used as follows:

Debentures @ 8%	\$500
Bonus Savings Account	<u>400</u>
	<u>\$900.</u>

Respectfully submitted,

E. P. Rice and D. R. Hiltz,
Financial Committee.

Mr. Rice then went over some of the details of the 1973 Budget Forecast and generally outlined the ways and the ideas leading up to its formation.

Mr. Donald Eldridge noted that in the 1973 Budget Forecast the 22nd Annual Meeting would cost \$5,100, while the revenue would be only \$4,100, a difference of \$1,000. He further stated that he noticed no registration fee was being charged for our meeting, and said that most of the conventions and meetings he attended charged a registration fee and felt we should be charging a registration fee to help offset some of the deficit.

Mr. Rice felt that by putting a registration fee on an Annual Meeting of an organization where members have to belong to that organization you are penalizing that member to come to that meeting. His feelings were that the membership at large should contribute to the support of the Annual Meeting and that it should be considered that part of the membership fee does go toward that support. Mr. Streb supported Mr. Rice's view on this matter.

Mr. H. B. Robertson pointed out that an Annual Meeting is required by virtue of our Land Surveyors Act, and that the meeting is open to the membership. He felt that we really couldn't force any member to pay a registration fee.

Mr. Bruce Millar questioned why the projected expenditure on the 22nd Annual Meeting was quite a bit more than previously.

Mr. Rice pointed out that this was due to the increased attendance projected for the functions.

Mr. Rice moved that the 1973 Budget Forecast be adopted. Seconded by Mr. Eldridge. Motion carried.

At this point in the program President Doig asked Jim O'Neill, Takeshi Okamura, Tom Kelley, Sydney Hancock, James Boldon, and Everett Green to say a few words on behalf of their respective organizations.

REPORT OF 'THE NOVA SCOTIAN SURVEYOR' -

Mr. Walter Servant gave his report as follows:

The Editor's report this year is, in effect, The Nova Scotian Surveyor's four editions, which have been published this year. The content is a report of our activities and I am sure reflects the contributions made by the Committee and also is a great pleasure by the membership itself. It is a tremendous assistance and very gratifying to be receiving an increase of contributions to "The Nova Scotian Surveyor". We urge you to submit more material in the form of ideas, various articles, educational material, and anything of information which may be shared and should be shared by the general membership as a whole.

No better way can we get our ideas and communications to the membership, than through this media - "The Nova Scotian Surveyor". As the content and appearance improves, so does the interest, and along this line, as the interest of the general membership increases so does the interest of the various suppliers of surveying equipment and services, therefore, our advertising increases and revenue increases, which enables us to put out a much better publication. I might now give thanks to the whole Editorial Committee: Ivan Macdonald, for his compilation and printing of the issue. Due to his ideas, thoughts and efforts the front cover scene changes each issue. To Roy Dunbrack for his continuing contact with the suppliers who do the advertising and making up the ads which make this publication economically possible. To the Secretary for the big job of getting all these issues out to the members and subscribers. To you all - a thanks for your continuing interest.

REPORT OF SURVEY TECHNICIANS AND TECHNOLOGISTS COMMITTEE -

Mr. Ivan Macdonald gave his report as follows:

Mr. President, Members and Guests, as you heard we are trying to do something with the Nova Scotian Surveyor and this report on the Surveying Technicians and Technologists of Nova Scotia had an item in the Nova Scotian Surveyor, which pointed out that we did have a happening in Nova Scotia, that something has happened with regard to the formation of a Surveying Technicians and Technologists group. We met with Steve Geneja from the Ontario Association on July 24, 1972, and formed a steering or organizational committee composed of professional land surveyors and

individuals in the survey oriented field such as instrumentmen and draftsmen. They have drawn up a pamphlet which they hope to get out to all survey firms and to those people who are survey oriented, but are not qualified to do land surveying. This pamphlet is a one sheet affair so far. I will leave a number of them on the ledge down there with the hope that you will pick some of these up and pass them on to any interested personnel in your firm, in Nova Scotia that is. There is a return address here: Donald Hirtle, one of the survey oriented persons on this Committee; Gerry Bourbonniere, another man who has shown a great interest. They will follow up this pamphlet and try to contact all survey firms in Nova Scotia to get an updated list of personnel. We know that this type of personnel keeps changing and our present listing is out of date. So I think that with this pamphlet and with the reporting in "The Nova Scotian Surveyor" sufficient progress is being made in keeping interested individuals informed of developments in the Surveying Technicians and Technologists proposed association.

I would like to point out that the recent issue of "Northpoint", the publication of the Association of Survey Technicians and Technologists of Ontario carries reports of meetings held in other provinces with regard to the formation of Survey Technicians and Technologists Associations and the meeting held by the Nova Scotia group is covered in that publication. Along with the report of the meeting are several pictures of various individuals, committees, etc. This is the interest that the Ontario Association has shown us and points out the interest of the Ontario group with regard to the survey oriented people right across Canada. With this, Mr. President, I will end my report.

The meeting adjourned at 12:00 p.m. for the C.I.S. Luncheon.

FRIDAY, NOVEMBER 3, 1972 - 2:15 p.m.

Mr. Doig introduced T. J. K. Gillis, Q. C., who gave a technical paper entitled "The Surveyor as Seen by a Lawyer".

At this point in the program President Doig introduced Mr. George Lawrence, representing the President of the Newfoundland Land Surveyors Association, and asked him to say a few words on behalf of that Association.

REPORT OF PROVINCIAL PRESIDENTS MEETING -

Mr. L. R. Feetham reported as follows:

Mr. Chairman, Members and Guests, this report is a report of my work with regard to the series of Provincial Presidents' Meetings which have been held during the last year. It has been published in the October 1972 issue of The Nova Scotian Surveyor, and also was sent out with the Notice of the Annual Meeting by our Secretary.

For the benefit of our guests and visitors, I would like to read the report here today. The resolutions which are referred to in it will be coming up for consideration tomorrow and I will speak further on them at that time. There are many here, no doubt, who are wondering if there are any benefits that could be derived to us in our life time. To some of us there will be, certainly to our children there will be, so it's a long range proposal that we are presenting and there is no real monetary gain initially. There is a very good chance that there will be a professional upgrading associated with it and something that, personally, I am supporting very much, and which has been supported by the Provincial Presidents on the 22nd of September 1972, in Toronto.

On Saturday you will be asked to vote on these three resolutions which I referred to earlier and I am prepared to speak on them in a more defined manner at that time. I know that Takeshi Okamura, Sydney Hancock and Jim Boldon who incidentally chaired the September 22nd meeting, have their own ideas on this and no doubt will want to have a few words on it tomorrow. I think that is about it,

gentlemen, as I say, I prefer you hold any questions until after the resolutions have been presented. They will come up under new business tomorrow.

At this time President Doig advised that Mr. Gordon Nicholson, a Life Member, was unable to be with us at this time but sends along his best wishes to each and every one of us.

NEW MEMBERS -

The list of new members of the Association was read by Mr. Doig and welcomed to the meeting:

Arthur H. Abbott	Gary Gordon Grant
Hugh Daniel Baillie	Donald Lee Johnston
Colin William Clarke	Michael Francis MacNeil
Michael Joseph Crant	Gerald Augustin Pottier
Robert Arthur Daniels	Walter Chapman Rayworth
Harvey William Doane	Alfred Ernest Wallace
Allan Victor Downie	Victor Wolchansky
Ray Allister Fulton	Albert James Wright
Donald Teed Gillis	

RESOLUTIONS COMMITTEE -

Mr. Crooker presented his report as follows:

Gentlemen - Three resolutions have been received for submission. These resolutions pertain to the proposed formation of a Canadian Council of Professional Land Surveyors and are as follows:

- 1) Approval in principle of the formation of a Canadian Council of Professional Land Surveyors in cooperation with the Canadian Institute of Surveying.
- 2) Assessment of four dollars (\$4.00) per active member per year to contribute to the development of such an organization.
- 3) That the results of (1) and (2) above be submitted for the April 25, 1973 Presidents Meeting with a tentative date completion of April 1974.

These resolutions will be discussed under new business at tomorrow's meeting.

DISCIPLINE COMMITTEE -

During the past year, complaints against three of our members were referred to the Discipline Committee for investigation. The three complaints are as follows:

- 1) Client alleged paying retainer to his surveyor but not receiving any service in return.
- 2) Client alleged paying fee for unsatisfactory service.
- 3) Surveyor is alleged to have charged fee to correct error in his own work.

Two of these complaints were referred to the Discipline Committee because the Complaints Committee did not receive replies from the surveyors notified and,

therefore, could not process the complaint. In each case, two registered letters were submitted.

One of the complaints was investigated on November 2nd, in Sydney, and the other two are scheduled for later in the month.

RATES COMMITTEE REPORT -

Mr. Crooker reported as follows:

In September, the Rates Committee reviewed the Fees and Charges Manual and the Minimum Schedule of Fees to determine if any changes were necessary. The schedule now in use was revised for 1971, and the minimum rates outlined in this schedule were considered to be in line with current requirements and without need of immediate revision.

Another item reviewed by the Committee involves the manner in which survey firms are selected for survey work by the Nova Scotia Housing Commission. The Commission recently sent requests to a number of Nova Scotia survey firms for "Quotations" on survey projects situated in the Dartmouth and Sackville areas. The firms were invited to bid on various items of work such as lot calculations and preparation of legal plans, preparation of legal descriptions, street survey and lot stake-out.

The objections to the above matter are as follows:

1. Quoting a firm price for land surveying as defined in the Nova Scotia Land Surveyors Act is in violation of Section 26, Subsection (r) of the Association By-laws.

2. This selection procedure, followed by the Housing Commission, is not in accordance with the recommended guidelines of this Association for the selection of a Surveyor Consultant, as set forth on page 7 of the Association's Fees and Charges Manual.

3. Competitive bidding will lower survey standards and is, therefore, not in the best interests of the public. With each successive tender, the quote for any particular unit of work becomes lower, based on the knowledge of what the job went for on the previous contract. Eventually survey standards will be lowered to remain competitive.

In conclusion, it is recommended that surveyors in private practise be reminded of the Code of Ethics and the stipulation regarding "quoting", and it is further recommended, that each government department using private surveyors, be advised of the approved procedures and By-laws of this Association.

COMMITTEE TO STUDY THE FUTURE OF THE ASSOCIATION -

Mr. Crooker gave the report as follows:

When this Committee was formed in 1971, it began its study by forming a fact-finding group consisting of subcommittees with the task of investigating the availability of real estate for an office, reporting on available office accommodations, acquiring information from other organizations and preparing cost projections. These committees remained active during the past year and meetings were held to discuss these aspects of the study.

It is suggested that three possibilities are open to the Association:

1. Rent office space.
2. Sub-rent office space from another association or firm.

3. Purchase an income property with office accommodations and finance the project by selling shares to members of the Association.

The Engineering Association, Barrister's Society and other Associations were contacted with regard to sub-leasing or sharing office space but, so far, nothing promising has been found. Needless to say, a variety of office accommodations for rent are available throughout the city at varying prices and locations. With regard to the suggestion of purchasing an income property, real estate for this purpose is not plentiful, and the Committee is urged to continue its efforts on this matter.

As an alternative to the foregoing, a number of land surveyors in private practise might very well consider banding together to form a surveying centre and include office space for the Association. Secretarial services could be shared and conveniences such as a boardroom for council meetings might be possible, however, this is only speculation and the Committee should endeavour to find a satisfactory solution for recommendation to Council.

PRIVATE PRACTISE COMMITTEE -

Mr. Thompson gave his report as follows:

The Private Practise Committee Report would be the same as that just given by Mr. Crooker under the Rates Committee Report, in that the same items were discussed by the Private Practise Committee.

REPORT BY DELEGATE TO VOLUNTARY ECONOMIC PLANNING BOARD -

Mr. Lyndon Gray was unable to be in attendance and his report is presented as follows:

During the past year it has again been my pleasure to represent the Association on the Forestry Sector of Voluntary Economic Planning.

As you are aware, the concept of Voluntary Economic Planning is to provide the Government of Nova Scotia with advice and guidance on the various segments of the economy from people and organizations that are the most intimately concerned with them. Sector meetings, concerned with Forestry, Agriculture, Manufacturing, Transportation, Mining and Fisheries, meet periodically under the guidance of a permanent Secretary.

This year the Forestry Sector has been only moderately active. The earlier meetings wrestled with the concept of a Pulpwood Marketing Board in an attempt to make a recommendation that would be workable. As you are aware, a bill was passed in the Legislature last spring relating to this matter, and appointment of the members of the Board has recently been announced.

The most recent meeting had as the theme the Environmental Protection Act passed last year in the Legislature, and suggestions for Provincial representatives to take to the Man and Resources Conference at Montbello, Quebec, this Fall. It is proposed that a follow-up meeting will be held to discuss in greater detail the ramifications of the Environmental Protection Act.

At the present time, the make-up of the Forestry Sector consists of representatives from the following organizations: the Association of Nova Scotia Land Surveyors, Department of Lands and Forests, Nova Scotia Forest Products Association; Nova Scotia Woodlot Owners' Association; Lunenburg County Christmas Tree Producers' Association; Nova Scotia Wildlife Association; Nova Scotia Federation of Labour; the Nova Scotia Section, Canadian Institute of Forestry, and the Nova Scotia Forest Technicians Association.

Although many of the topics considered at the Sector meetings are not directly related to surveying, it is none the less of importance that the Association continue to have a representative on the Forestry Sector of the Voluntary Economic Planning.

BOARD OF EXAMINERS' REPORT -

Mr. J. F. Archibald gave his report as follows:

The Board of Examiners for the year 1972 consisted of the following members:

Prof. A. F. Chisholm, P. Eng., N.S.L.S.

J. F. Doig, N.S.L.S., President, Association of Nova Scotia Land Surveyors

H. B. Robertson, N.S.L.S., representing the Deputy Minister of Lands and Forests

A. H. Abbott, P. Eng., N.S.L.S., representing the Association of Professional Engineers of Nova Scotia

Roy A. Dunbrack, N.S.L.S.

J. F. Archibald, N.S.L.S.

The Board of Examiners held six meetings during the year 1972 as follows:

11 February	1972
4 March	1972
15 April	1972
19 June	1972
16 September	1972
16 October	1972.

The Board also met with New Brunswick Land Surveyors Examination Committee and the President of Prince Edward Island Land Surveyors Association in a joint meeting to acquaint each other of our functions, problems, aspirations and to see if we had any common ground on standards of examination.

It was evident that a great deal of work and effort must take place on our part and a further meeting of the group has been scheduled for early in 1973.

The Board decided to "beef up" the Astronomy examination at the Intermediate level, drop it from the Final Part I, by replacing it with a new subject "Geodesy and Map Projections" to come into effect in May, 1973.

The Board also decided to require candidates for Nova Scotia Land Surveyors Certificate to write a report or essay on a topic allied to the field of Surveying, such topic to be approved by the Board. This report would be submitted to the Board prior to writing the legal examination. This to become effective in 1973.

Also to come into effect in 1973, is a separate paper on Curves for the Intermediate Examinations, bringing up to six the number of subjects at that level. Questions at this level would deal with simple, compound, reverse and parabolic curves.

At the Final Part I level the present subject in Curves and Survey Methods would include a question or questions on spiral curves.

As of May 1973, the candidate writing the Final Part II examination will write the legal paper at two three hour sittings instead of one as in the past. These subjects will be classed as "Statute Law of Nova Scotia" and "General Survey Law and Description of Land".

The usual supplemental examinations were held in December, 1971, along with the Final Part II usually written at this time. The regular examinations were held on May 15, 16 and 17, 1972.

In the December exam some twenty-nine candidates wrote one or more papers including fifteen candidates writing the Final Part II. Of the thirty-eight papers written, six failed to make the pass mark.

In May some sixteen candidates wrote the Intermediate examinations, six of whom failed at least one subject.

Fourteen of the twenty-one candidates writing Final Part I examinations failed at least one subject. In addition, four other candidates successfully wrote supplementals in the Final Part I.

Six candidates wrote the Final Part II with a successful failure ratio of 50%.

During the year the following candidates having qualified themselves were issued Certificates entitling them to practice land surveying in Nova Scotia subject to Section 16 of the Nova Scotia Land Surveyors Act:

Hugh Daniel Baillie	R. R. #1, Westville, N. S.
James Douglas Bancroft	Rockingham, Halifax, N. S.
Michael Joseph Crant	Dartmouth, N. S.
Alexander Barclay Cameron	Eureka, N. S.
Colin William Clarke	Newcastle, N. B.
Robert Arthur Daniels	Dartmouth, N. S.
Terry Alexander Edgett	Moncton, N. B.
Donald Teed Gillis	Middleton, N. S.
Gary Gordon Grant	Dartmouth, N. S.
Donald Lee Johnston	Dartmouth, N. S.
Michael Francis MacNeil	Fairview, Halifax, N. S.
Gerald Augustin Pottier	Tusket, N. S.
Walter Chapman Rayworth	Amherst, N. S.
Alfred Ernest Wallace	Dartmouth, N. S.
Victor Wolchansky	Edmonton, Alberta
Albert James Wright	Bible Hill, Truro, N. S.

As in the past several years, there seems to be an increasing number of inquiries on the qualifications necessary to become a Nova Scotia Land Surveyor.

LEGISLATIVE COMMITTEE REPORT -

Mr. Crooker presented the report as follows:

Following the Special General Meeting in June, Amendment No. 3 on Partnerships and Companies was further studied from the point of view of trying to obtain legislation which will achieve some of our aims without interfering with any existing arrangements. Subsequently our Solicitor, Mr. Charles MacIntosh, was furnished with a summary outlining the purpose of the amendment and requested to draft proposed amendments that would give effect to our aims with respect to Partnerships and Companies. Mr. MacIntosh recently replied that he had considered the problems connected with the amendment, and finds that there are a few possible solutions; however, before making definite recommendations, he would like to attend a meeting with some members of the Association who are in favour of the proposed amendment and some who are opposed. The purpose of this meeting would be to find a common ground whereby the purpose intended can be achieved without undue hardship to our members.

Amendment No. 5, is that Section 4 (line one) of our Act be amended by deleting the words "with the approval of the Governor-in-Council". This proposed amendment was referred back to Council to have procedures laid down of how the by-laws are to be amended; therefore, the following amendment to Amendment No. 5 is proposed:

"That Section 4 (line one) be amended by deleting the words 'the Governor-in-Council' and substituting the words 'Council and a two-thirds majority vote of the members present at an Annual Meeting'."

Mr. Doig commented on Amendment No. 5 as follows:

You will recall at the Special General Meeting, on June 10, 1972, that Council put before the membership the proposition that our Act be changed to provide for the Association being able to amend our By-laws. Some of the members took this up immediately and the result was that Council was directed to give this further study. The Legislative Committee have done this and recommended to Council, and Council have accepted the proposition to go before you, as a General Meeting Session, to ask you to approve the proposition that our By-laws, in future, be amended by both Council approval, followed by the approval of two-thirds of the members present at an Annual Meeting.

It is envisioned by Council that there be a separation of time between the Council approving any such recommendations and the time that it would be brought before a General Meeting. This is in line with Council's desires and attempts so far to bring their considerations to problems in a less hurried fashion than in some of the instances we have acted, perhaps as prisoners of events of the past.

I would be grateful if you would think over this proposition that Council will be putting before you.

At this point in the program President Doig brought Mr. David Latimer, President of A.P.E.N.S., to the speaker's platform with the following introduction:

You will recall in June that the Association voted approval to amendments which we proposed to take to the Legislature at the 1973 sitting. These amendments affect members of the Engineering Profession and as I mentioned this morning these have been considered by their Council. Now in two weeks time, the Annual Meeting of A.P.E.N.S. will be held and these proposals of ours will naturally be the subject of discussion there. Mr. Latimer would like an opportunity to discuss these general ideas with our membership in order to get some feedback on our ideas and some material which he can take to his Annual Meeting and discuss with members of A.P.E.N.S. At this stage I would like to turn the meeting over to Mr. Latimer.

Mr. Chairman, Gentlemen - I mentioned this morning, in passing, that perhaps we might have a little discussion on this matter of Engineers and Land Surveyors later on. At our Annual Meeting in two weeks time it is quite possible that we, as a Council, will be asked to justify the position that we took with respect to allowing you people to delete Section 16 (b) from your Act and introduce a grandfather clause for Engineers. The point is, we have had a bit of opposition from our Association and we, as a Council, are really not that concerned about the decision we took, and it is not subject to approval by our Annual Meeting, as we had the authority to approve what we did. I would like to be able to go back and assure our members that Land Surveyors are not really cutting in on Engineers' territory. I would like to read a part of a letter we received from a member concerning this proposed amendment. He says, "many Land Surveyors advertise today such services as Construction Surveys, Building Layout, Water and Sewer, Subdivision Planning, etc., which are basically Engineering functions, whereas by their Act they are permitted only to delineate property boundaries."

Now several of your people here today suggested it is a great thing that Engineers and Land Surveyors are starting to talk to each other again, and I certainly agree that it is. I think the only way to solve problems is to talk to each other and I don't think there are any problems that may come between us that can't be solved by discussion.

Some of our Engineer members feel that Land Surveyors are cutting in on their territory and my purpose in coming before you this afternoon is really just to get a reaction from you people on this. Do the members of this Association feel that it is a fair complaint, or do they feel that they are doing the things they are supposed to do under the Act? I would just like to hear a little discussion on it.

Walter E. Servant - as far as the Association of Nova Scotia Land Surveyors are concerned it is not that grey area where the overlap between the operations of the land surveyors and engineers appear, but the great portion of the work specified by the Land Surveyor's Act. Certainly we, I think, are all aware there are many of the daily jobs handled by land surveyors which fall into the categories that you mention, engineering surveys or whatever you would like to call them. I don't know where you would draw the hard and fast line, I'm sure, but I think the concern of our Association is not so much in that grey area, but in the portion covered by the Act.

Ivan P. Macdonald - Mr. Latimer, I wonder if you might qualify your statement that land surveyors are saying that they can lay out buildings. I think of a Land Surveyor laying out a building is using one of his instrumentmen to carry out a technician's job, of turning a few angles and measuring a few distances which an engineer has put down on a plan for that particular building. I wonder if this is the type of encroachment that you are thinking of.

Mr. Latimer - No, I think that it is largely in the area of design. I don't think that the actual operation of following through, of laying out, is the complaint. I see that as a technical job and I don't think that Engineers are concerned. They realize that it is necessary to do these things and not very many Engineers are going to do them for very long. I think they realize that they need people to do this and are glad to have them. Basically, Engineers are designers, that is their primary role and I guess their concern is about people who are moving into the design field, people like Land Surveyors or Planners or other people who are walking into Planning Boards or Building Inspectors with designs of subdivisions with sewer and water designed in that subdivision; particularly in the area of municipal services. This is what I would like to get a reaction from, to obtain feedback so that I can go back to our meeting and say I was at the Land Surveyors meeting two weeks ago and these fellows have indicated how far they feel they can go under their Act. I am looking for answers really.

Mr. Ivan Macdonald - Although I am not in private practise, it is my hope that this would be a team effort. I think there is a place here for the team effort in the carrying out of a design. I am wondering though, since you mentioned town planning, Dave, there must be a "grey area" there also where I think the Land Surveyor has a place in designing a community of lots and so on. I would hope that with a team idea because sewage designs could go along with the "lay of the land" but I think that the Land Surveyor could design the size of lots as required by a Planning Board, the standard regulations which are laid down for grades of streets and widths of streets, day light between buildings, day light between cross streets, park areas, do you think that the Land Surveyor would be infringing if he could lay out the cadastral part of the town plot or community plan or of that type?

Mr. Latimer - Well I don't think that this should continue to be just a discussion between Ivan and me, but I would like to go back to my basic question, that is, under the Land Surveyor's Act, are they permitted to do design, are they empowered to do design? I can't really challenge the statement "they are members of the team" at all. I do agree that they are important members of the team, but I guess Engineers tend to look at the design aspect itself being within their terms

of reference under this Act. I am wondering, under your Act, where you people see the role.

Mr. W. S. Crooker - I have been in private practise both as a Land Surveyor and Consulting Engineer for approximately ten years and I have observed exactly what the Surveyors do in the Halifax area. I haven't actually noticed, what you would call a definite infringement from either direction, however, I think that we have a definition of Land Surveying, as laid out in our Act and we also have a definition of Engineering; between the boundaries of these two Acts there is a grey area in which either profession tends to work. This, gentlemen, is my own personal thought on this topic.

Mr. Latimer - Well no one has really answered the question yet.

Mr. J. F. Doig - Although I may not answer the question, I think that I can be very definite on one thing though. The Land Surveyor's Act applies to boundaries and a person licensed as a Land Surveyor is licensed to do work on boundaries and that is as far as it goes I think. Now what causes a part of the problem I believe is this; that in order to acquire the knowledge and skills necessary to do the work with property boundaries one acquires other items of knowledge and skill and this is where the infringement, I think, if there indeed is this, comes about. The Land Surveyor is one who can take differences in elevation. Now most of the work that Land Surveyors do in determining differences in elevation I don't think have much to do with the boundaries. This is his first venture into the field of, we will say, engineering surveying. How to limit this or how to control it, I don't know. I am not sure in my own mind that our Act gives us powers that are relevant to boundary work and nothing else. Whatever other talents we may have are extraneous, to my view.

Mr. Rusty March - Something we might possibly wish to consider is the matter of design of subdivisions. It might be interesting to note that the first subdivisions, that were ever designed in the Province of Nova Scotia, were done by Land Surveyors.

I think it is very pleasing to see this discussion between the Engineers and Land Surveyors because as you say, there is perhaps a grey area there. These subdivisions as designed, you will find dozens of them in the Crown Lands Record Office, were by today's standards perhaps very crude and there are points now in subdivisions that I doubt very much if a Surveyor could qualify to design. At the same time, in my opinion, they would have authority to design a subdivision, by reason of the fact that they have been doing it for a hundred years or more.

Mr. James Chisholm - I believe that any infringement that is made on Engineering work in the line of sewer layout, design and this type of thing, the bulk of it does not come from the members of this Association but rather from instrument men and people that work along this line. I feel the way the Engineers want to control that is probably with a set of standards or definite boundaries for Engineering Technology and Engineering Technologists is what you are looking for. I think that it's the same problem that we have with our own Association here, we have people carrying out legal Land Surveying, and they are not licensed to do so. I do not believe that members of this Association are the ones who bring the most up. Certainly nothing under our Act or By-laws give our members the authority to carry out these engineering surveys, they can carry them out whether they are members of our Association or not.

Mr. John MacInnis - I am afraid I will have to agree with Mr. Latimer that there perhaps is a little infringement here by some of the Land Surveyors in the Halifax-Dartmouth area. I think one way for the Engineers to control this is to get to the City Councils or the County Councils and tell them they should not be accepting plans of an engineering nature without an Engineer's signature. This would be one way of eliminating this problem of a Surveyor presenting a plan without an Engineer's signature on it, that they may accept for sewer grades, storm sewer designs, etc.

Mr. Al Wallace - I agree with Mr. MacInnis' remarks there, however, as far as the design of subdivisions go, I think from our definition of Land Surveying, if I may read it; "land Surveying means the determination of any point, or of the direction or length of any line required in measuring, laying off, or dividing land for the purpose of establishing boundaries or title to land"; that it would cover the design of subdivisions, but certainly not the design of any municipal services such as sewer, etc. within the subdivision, because in designing subdivisions you are actually setting boundaries.

Mr. Fred Roberts - I have been in contact and concerned with these things and I think what Mr. Latimer is saying is with relation to proper servicing, in urban areas, particularly, water and sewer, etc. Somebody designs a sewer system or a water system which will satisfy that area, that community, but it can impose a tremendous burden on the tax payers of that area some years hence if it is not a proper system to accommodate the area. Some of those people from the Halifax-Fairview area will know about this. The Planning Act was revised in 1970-71, I believe and a lot of the Engineers concern is, that where the municipality or the City Council has accepted a municipal development plan, and set up a development control officer. They usually set up a set of regulations or standards and they won't accept plans for sewer systems, or water systems which are not approved and signed by an Engineer, so you do not get that problem.

Now maybe their concern is in areas where the municipality may not have invoked this right under the Planning Act and, as such, are accepting plans which are not signed by an Engineer.

Mr. Latimer - All counties really have not embraced the Planning Act as such and are not as far advanced as Halifax County is. Most of the speakers from the floor have been referring to Halifax County and I think that Halifax City and County have gone more farther along this road. I think that it is very healthy to have a discussion along these lines. I think we should all try to focus in on just what we are allowed to do under our Acts and we as Engineers have a similar problem with architects or they have with us, so they say, in that somebody is always infringing upon the other and in order to try to tackle these problems, a few years ago our Council undertook to form a joint committee with architects and this committee meets regularly, and it deals with these problems where one is infringing upon the other, actual cases being brought before the committee, with drawings brought in showing where somebody has undertaken something that they should not have.

I would suggest that we might think of this between the Engineers Association and the Land Surveyors Association, to try to tie in some sort of joint committee to fit, and also study some of these problems that are brought before us. Land Surveyors may have legitimate concerns about Engineers doing some of this work and in these particular cases they could be brought before the committee.

This discussion has been good and I guess what I was looking for was just how far, as Land Surveyors, do you feel that you can go. We have been trying to bring into focus, as Engineers, just how far we should go and I think it is a worthwhile objective for you people to try to bring this into focus too, then perhaps we can get together. I would like to hear more but I don't want to take up any more of your time.

Mr. E. P. Rice - I think that one of the problems that has been here, I was Secretary when the contents of that paragraph that was read came to light, is in advertising. Our Act spells out boundary surveying under this definition of surveying as it terms legal boundaries, as Mr. Wallace read. One surveyor advertised Engineering Surveys and on speaking to the surveyor he told me that he was trying to advertise his services to Consulting Engineers, who do not have surveyors within their firm.

I agree with you that a joint committee here to iron out problems, such as advertising. Our Association had a committee once that investigated our advertising methods, and we are still working on it but have come up with nothing concrete.

Probably if we could come up with more definitions for these ads we could try to correct it that way.

Mr. Donald Rix - I would suggest that we take some members from the Land Surveyor's Association, and some members from the Engineer's Association and make a study of the overlap in these particular grey areas.

Mr. Dick Thompson - I believe from what I have heard here that your definition of Land Surveying allows you only to work on boundary lines as such. That was, up until a couple of years ago, the definition in Massachusetts and most of the U. S. I guess. We recently came up with a model law which we are trying to get all the states to adopt. In Massachusetts we have set up a new model law for Massachusetts which broadened the definition of Land Surveying and we did not get much opposition from the Engineers to broadening the scope of Land Surveying to include the laying out of underground works but not the design. It definitely includes the design of subdivisions. We can go and lay out the boundaries, services required, etc. for that subdivision but cannot design the services unless we have a Professional Engineers license also. This is definitely spelled out in the definition and I am just wondering if this would help in your case of trying to get together and broadening the definition of Land Surveying or of both.

Mr. Latimer - Thank you very much gentlemen. This discussion should give me enough material to take back. I think we should pursue the matter of a joint committee further, I think we may be in a particularly good position since your upcoming President, Mr. Crooker and Vice President Mr. Chisholm are both Engineers.

Thank you very much.

OLD BUSINESS

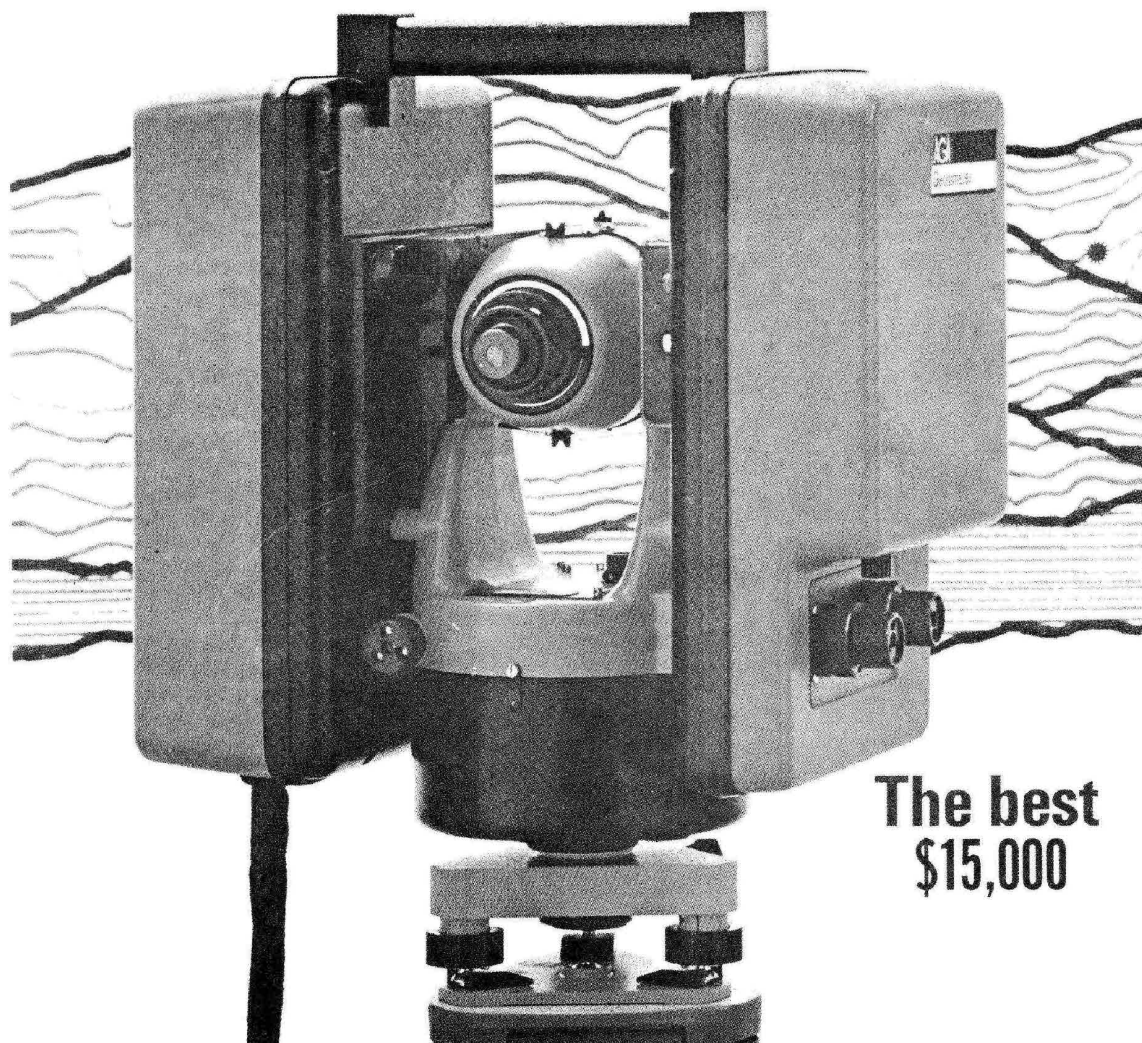
Amendments and additions to the Nova Scotia Land Surveyor's Act, Chapter 243 of the revised statutes of Nova Scotia 1967 -

Mr. Doig placed before the meeting the recommendation of the Legislative Committee and its subsequent endorsement by Council, as to the method of amending the By-laws of the Association. This was a revision of Proposed Amendment #5 presented at the June 10, 1972, General Meeting. It would permit the Association, in the future, to amend its own By-laws.

Mr. Crooker read the details of this proposed amendment to the members:

1) It was moved by Mr. L. R. Feetham and seconded by Mr. Ivan Macdonald that Section 4 (line one) be amended by deleting the words: "the Governor-in-Council", and substituting the words "Council and two-thirds majority vote of the members present at any Annual Meeting".

Mr. Ivan Macdonald stated that he had seconded this motion because we now have a procedure and a time lapse before any amendments to our By-laws come to an Annual or General Meeting. Our initial attempts at amending Section 4 (line one) failed because we had no procedures drawn up and no time lapse provided. Now any amendments to our By-laws first have to come to Council, must have the approval of Council, and then must have two-thirds of the votes of the members present at an Annual or General Meeting. This should satisfy any person who thought that we could "railroad" through a change in the By-laws too easily.

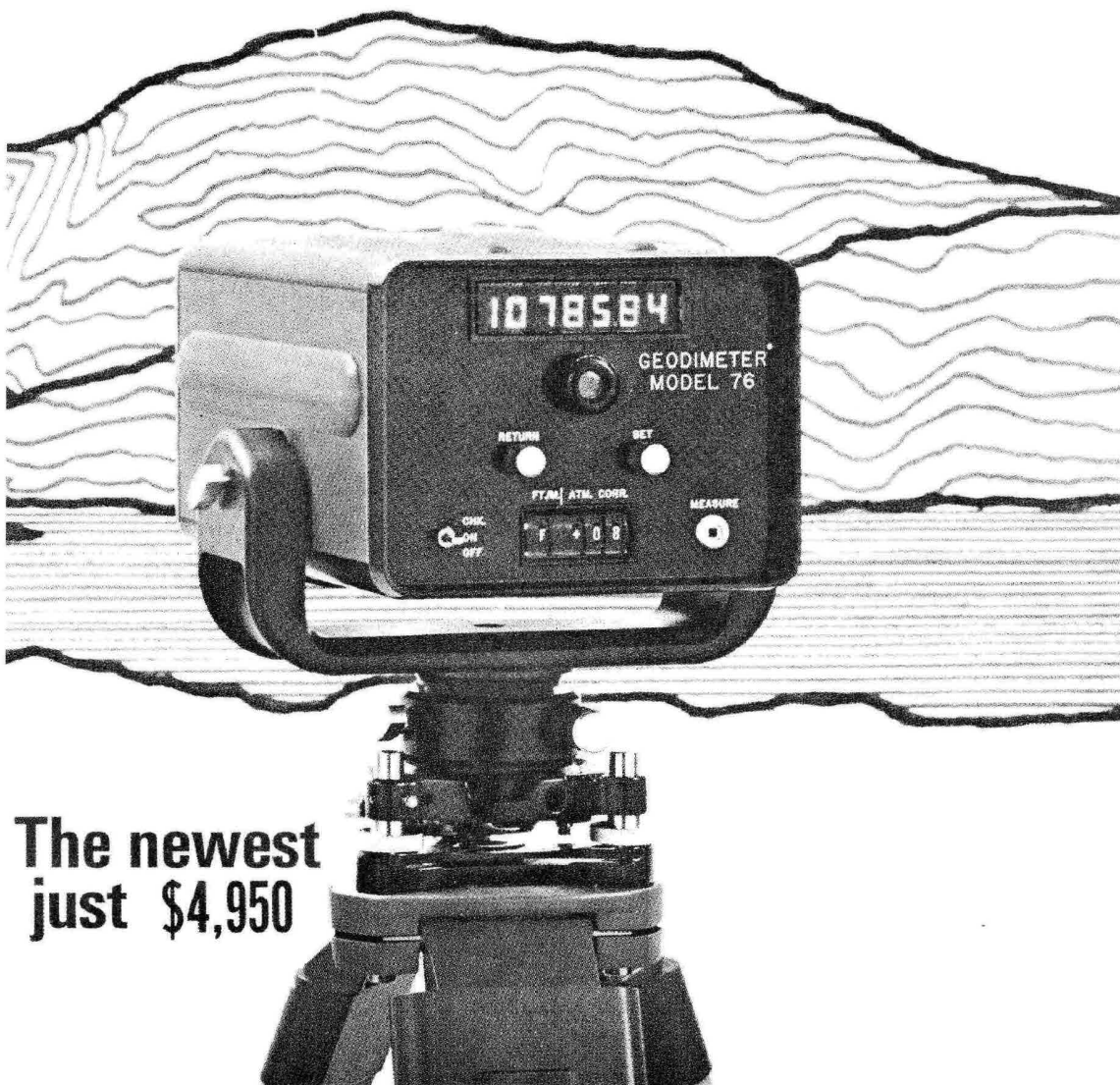


**The best
\$15,000**

**Now every surveyor
can afford a Geodimeter®
distance measuring meter**

Even at \$15,000, our Model 700 is well worth the price. A complete surveying system, it displays horizontal and vertical angles, slope measurement, and even computed horizontal distance. But that's more than some surveying jobs require.

Now we're introducing our new Geodimeter Model 76 for those other land surveying and construction jobs—at a surprisingly low price. It is fully automatic to simplify and speed your work. And to



**The newest
just \$4,950**

give you a clear edge over competition!

OUR MODEL 76—

- uses built-in solid-state electronics to compute and display ranges within a few seconds.
- emits a visible laser beam for easy target acquisition, even through dust and haze.
- measures accurately through traffic and other beam interruptions.

- reads distances, automatically corrected for atmospheric conditions, in feet or meters on the same display panel.

- measures distances to over 10,000 feet in a few seconds.
- features lightweight but rugged metal construction.

Only AGA manufactures world-famous Geodimeter Distance Measuring Systems.

What surveyors have said about Geodimeter® Distance Measuring Meters...

"The AGA Geodimeter Measuring Meter is a superbly conceived and dependable instrument."

City Engineer, Charlotte, North Carolina
"The Geodimeter Measuring Meter, with its ability to measure with Geodetic precision a line of any length up to several miles, can be a powerful tool for surveyors."

Ontario Land Surveyor

AGA

AGAtronics Ltd.

41 Horner Ave., Unit 5, TORONTO 18
Phone 252-4691

Mr. Rusty March stated that he was very much in favour of this amendment and thought that in view of the speech that we heard this morning by the Honorable Gerald Regan, that now is the most opportune time we will ever have of getting that amendment through.

Mr. Eldridge concurred with Mr. March and felt that the timing is right.

Mr. Arthur Abbott wondered what kind of selling points we had to submit to the Legislature to sell them on this idea of why they should be giving up this power with regard to the By-laws.

Mr. Doig stated that, in the brief accompanying the proposed amendments to our Act at the General Meeting in June, the Legislative Committee attempted to point out several reasons why we should have the power to amend our own By-laws.

Mr. L. R. Feetham pointed out to the members the length of time it now takes to get amendments to our By-laws made, and stated that with the Association having the power to amend its own By-laws the time element can be cut drastically.

Mr. E. P. Rice stated that our solicitor pointed out that our Association was the only one in the province which did not have the power to amend its own By-laws.

A vote on the motion was taken and it was carried unanimously.

Mr. H.B. Robertson introduced Mr. J. Ronald Chisholm, N.S.L.S. who presented a technical paper entitled "Methods used by the Department of Lands and Forests (Crown Land Survey) in re-running Grant Lines and other Crown Land Lines".

SATURDAY, NOVEMBER 4, 1972 - 10:00 A.M.

INSTALLATION OF OFFICERS -

Mr. Doig introduced the new Councillors to the members and asked that they move to the front of the room so everyone could have a look at them.

The Past Presidents escorted Mr. W.S. Crooker, the new President, to the platform and after receiving congratulations Mr. Crooker read his report.

NEW BUSINESS

Mr. L. R. Feetham moved, and Mr. Ivan Macdonald seconded that the next Annual Meeting be held in Halifax. Motion carried.

Mr. March suggested that we alternate the Annual Meeting between the Halifax area and other locations in the province.

HONORARY MEMBERS -

Mr. E. P. Rice proposed that Llewellyn T. Schofield be made an Honorary Member and read a biography of Mr. Schofield.

Mr. E. P. Rice moved that Llewellyn T. Schofield be made an Honorary Member. Seconded by Mr. J. F. Doig. Motion Carried.

Mr. Murray Banks proposed Mr. George T. Bates be made an Honorary Member and read a biography on this gentleman.

Mr. M. Banks moved that George T. Bates be made an Honorary Member. Seconded by Mr. E. P. Rice. Motion carried.

Mr. George Bates introduced Mr. Alex Storm, who presented movies and a running commentary on his work in searching for and recovering the wreck of the French Ship "Le Chameau".

* * * * *

1) It was moved by Mr. J. F. Doig that - "approval in principle of the formation of a Canadian Council of Professional Land Surveyors in cooperation with the Canadian Institute of Surveying" be given. Seconded by Mr. E. P. Rice.

Mr. L. R. Feetham then gave a short talk on various aspects of the proposed Canadian Council of Professional Land Surveyors.

A vote on the motion was taken and it was carried unanimously.

2) It was moved by Mr. Ivan Macdonald that "an assessment of four dollars per active member per year, to contribute to the development of such an organization" be made; the organization being the Canadian Council of Professional Land Surveyors. Seconded by Mr. J. F. Doig.

Mr. Feetham then answered questions from the floor on the proposed Council.

A vote on the motion was taken and it was carried unanimously.

3) It was moved, by Mr. E. P. Rice, "that the results of the first and second motions be submitted for the April 25, 1973, Presidents Meeting with a tentative date completion of April, 1974". Seconded by Mr. John MacInnis. Motion carried unanimously.

SATURDAY, NOVEMBER 4, 1972 - 1:30 P.M.

Mr. Edward Hingley made a motion "requesting Council to establish a committee to prepare specifications to standardize monumentation in Nova Scotia, and these specifications supported by a brief be presented to the Board of Examiners for the Board's approval before the 23rd Annual Meeting". Seconded by Mr. E.J. Webber.

Mr. Arthur Chisholm moved that the motion be reworded by deleting the word "approval" and inserting the word "considerations"; however, this was not seconded.

Mr. Victor Wolchansky felt this was a move in the right direction in that a standard type of monument would be used for all surveys, which was identifiable as being placed by a surveyor.

Mr. Al Wallace felt the standard monuments, although raising the cost of the survey a few dollars would, in the long run, be beneficial to both the client and the public.

Mr. H. B. Robertson stated he felt that it was a good thing and that we should carry it through. We have had other discussions on this and other committees to look into the possibility of the standard monuments, and there have been some excellent suggestions brought forward, and then just shelved because certain individuals raised the question - "are we ready for this just yet". I think if we pass the motion to go ahead that we should make sure that it is carried through to conclusion because I think that it is very important that we do have standardized survey monuments.

A vote on the motion was taken and it was carried unanimously.

Mr. Marcellin Chiasson raised the question on election of officers, and wondered if anything had been done with regard to changing the manner in which they were elected.

Mr. E. P. Rice stated that he had given a good deal of thought to this, and since he was now on Council, he would be preparing recommendations to change the manner in which we elect our slate of officers and councillors. This should be ready for presentation to Council either at the December meeting or the March meeting with the hope that they would be ready for presentation to the general membership at the Annual Meeting in November. He then outlined a few details of his proposed recommendations.

President Crooker, on behalf of the Association of Nova Scotia Land Surveyors, thanked the Exhibitors for attending the meeting and displaying their fine equipment.

The guests then thanked the Association for the hospitality shown them while at the meeting and wished them best regards for the coming year.

It was moved by Mr. L.R. Feetham and seconded by Mr. Ivan Macdonald that the meeting adjourn. Motion carried.

Respectfully submitted,

Garnet F. Clarke

Garnet F. Clarke,
Secretary-Treasurer.

* * * * *

ATLANTIC PROVINCES PROGRAM

The Annual business meeting was adjourned and all those present were invited to participate in a two Part Atlantic Provinces Program.

Part I - Council of Maritime Premiers

The presentations that were given outlined the many joint efforts of the Maritime Provinces which embrace the idea of an Eastern Canada Region. Mr. Edgar Gallant, Secretary, Council of Maritime Premiers, outlined the history and progress of the Council of Maritime Premiers.

Mr. Willis Roberts, Technical Director APSAMP, presented a paper on the Maritime Registration and Information Service. Mr. Charles Raymond, Director, Maritime Resource Management Service, talked to us about the effects that the services of his directorate will have under the Council of Maritime Premiers. Summaries of Part I will be published in future issues of The Nova Scotian Surveyor.

Part II - Seminar on the Future Qualifications of Professional Surveyors in the Atlantic Provinces

The panel consisted of Walter Murphy and John McLaughlin of the Education Committee of the Association of New Brunswick Land Surveyors, and Roy Dunbrack and Jim Doig of the Board of Examiners for Nova Scotia Land Surveyors. A summary of this discussion will appear in future issues of The Nova Scotian Surveyor.

**** EXHIBITORS ****

AGATRONICS

KERN INSTRUMENTS

MONROE, THE CALCULATOR COMPANY

HEWLETT-PACKARD (CANADA) LIMITED

HUGHES-OWENS COMPANY LIMITED

EASTWARD INDUSTRIES LIMITED (KEUFFEL & ESSER)

NORMAN WADE COMPANY LIMITED

WILD OF CANADA LIMITED

TELLUROMETER (CANADA) LIMITED

ENAMEL & HEATING PRODUCTS LIMITED

OLIVETTI CANADA LIMITED

DEPARTMENT OF LANDS AND FORESTS

* * * *

**** GUEST SPEAKERS ****

T. J. K. Gillis, Q.C.

*J. Ronald Chisholm, N.S.L.S.
Nova Scotia Department of Lands and Forests*

*Mr. Alex Storm
Recoverer of "Le Chateau" Treasure*

*Mr. Edgar Gallant
Secretary, Council of Maritime Premiers*

*Mr. Charles W. Raymond
Director, Maritime Resource Management Services*

*Mr. Willis Roberts
Technical Director, A.P.S.A.M.P.*

*Mr. John McLaughlin
University of New Brunswick*

*Mr. Walter Murphy
Education Committee
Association of New Brunswick Land Surveyors*

*Mr. Roy Dunbrack
Board of Examiners for Nova Scotia Land Surveyors*

* * * *

** GUESTS **

Mr. James B. O'Neill
Representing the President of the Canadian Institute of Surveying

Mr. David Latimer
President, Association of Professional Engineers of Nova Scotia

Mr. Sydney G. Hancock
President, Association of Ontario Land Surveyors

Mr. Takeshi Okamura
President, Association of Alberta Land Surveyors

Mr. James B. Boldon
President, Association of New Brunswick Land Surveyors

Mr. George Lawrence
Representing the President of the Association
of Newfoundland Land Surveyors

Mr. Thomas E. Kelley
Representing the President of M.A.L.S.C.E.

Mr. Willis F. Roberts
Technical Director, A.P.S.A.M.P.

Mr. Brenton V. Schofield
Past President, M.A.L.S.C.E.

Mr. A. C. Hamilton
Representing Department of Surveying Engineering,
University of New Brunswick

Mr. Everett A. Green
Supervisor, Institute of Applied Arts & Technology
Province of Nova Scotia

Mr. Richard D. Thompson
Secretary, M.A.L.S.C.E.

Mr. C. Edwin Anderson
Treasurer, M.A.L.S.C.E.

Mr. Winford L. Schofield
Schofield Brothers Inc., Orleans, Cape Cod

Mr. David A. Schofield
Schofield Brothers Inc., Orleans, Cape Cod

Mr. Almer Huntley, Jr.
President, Connecticut Valley Association of Civil Engineers & Land Surveyors

Mr. J. E. Terry, P. Eng.
Principal, Nova Scotia Eastern Institute of Technology

Mr. W. D. Stretton
Surveyor General's Office,
Supplement Editor "Canadian Surveyor"

* * * * *

22ND ANNUAL MEETING- REGISTERED MEMBERS -

Arthur H. Abbott	L. Robert Feetham	W. Bruce Millar
Eldon Adams	Arthur C. Gilmore	Robert A. Miller
Brian A. Anderson	Allison B. Grant	J. W. L. Monaghan
Joseph F. Archibald	Athol C. Grant	Robert E. O'Brien
W. Russell Atkinson	Gary G. Grant	Ingwald J. Osmond
Murray Banks	Everett B. Hall	Brian D. Peel
George T. Bates	J. Edward Hanifen	John S. Pope
Ernest F. Boehk	Mervin W. Hartlen	Gerald A. Pottier
Brian J. Cameron	Leonard M. Harvey	Walter C. Rayworth
Stuart W. Cameron	R. Bruce Havill	Edward P. Rice
Bernard Campbell	Errol B. Hebb	Donald L. Rix
Donald C. Campbell	David R. Hiltz	F. W. Roberts
Robert K. Carrick	G. E. Hingley	H. B. Robertson
M. S. Chiasson	Neiff Joseph	John H. Ryan
A. F. Chisholm	Donald Lee Johnston	Walter E. Servant
James D. Chisholm	Emerson C. Keen	Jamces C. Sherren
J. Ronald Chisholm	David W. Latimer	Burney A. Smith
David C. Clark	Granville M. Leopold	Lewis O. Smith
Garnet F. Clarke	Carl MacDonald	Sterling G. Snow
Victor J. Comeau	Ivan P. Macdonald	George E. Streb
Murray F. Cossitt	Kenneth P. MacDonald	George W. Swanburg
John Covert	Roderick J. MacDonald	J. Forbes Thompson
David L. Crooker	Gerald F. MacDougall	William A. Thompson
William S. Crooker	John C. MacInnis	J. L. Veillieux
Robert Arthur Daniels	F. W. McKeown	Earl J. Verner
S. E. Daykin	Stewart E. MacPhee	Donald E. Wagstaff
J. F. Doig	J. E. R. March	Alfred E. Wallace
R. J. Donovan	Herbert Martell	E. J. Webber
Roy A. Dunbrack	Roger B. Meister	Arthur A. White
Donald L. Eldridge	Roger F. Melanson	Thomas G. Williston
Lewis E. Elliott	Russell Melanson	Victor Wolchansky

** PREMIER GERALD REGAN'S ADDRESS **
 TWENTY-SECOND ANNUAL MEETING OF
 THE ASSOCIATION OF NOVA SCOTIA LAND SURVEYORS

Mr. President and Chairman, Mr. Mayor, Warden Kyte, Ladies and Gentlemen:

May I say that even on a wet day that it is always a pleasure to have an opportunity and an excuse to come to Sydney, and I think that the opening of the 22nd Annual Meeting of The Association of Nova Scotia Land Surveyors provides a very worth while reason to escape the office today and particularly to escape those media people who keep trying to ask me as a Provincial Premier for my impressions of the Federal Election; perhaps they won't be able to trace me down here during the day. I was very pleased when I received, some months ago, the invitation to say a few words to you this morning and to declare your meeting officially open, which I shall do in due course, because I think that there are words that should be said to your organization, but before I turn to those, may I comment just for a moment, on really an unrelated matter - that is the pending retirement of Mayor Neville. I, in the course of not only the two years that I have had the rather onerous responsibilities of heading the Provincial Government, but also for some years previous to that, I have known Mayor Neville and I think I am in a position to know something of the contributions he has made, not only to the administration of the City of Sydney, but to the Nova Scotia Union of Municipalities and, therefore, to the Province as a whole. If I was asked to describe the Mayor in one or two words, I would have said that during his time in office, both as an Alderman and lately as a Mayor, that he demonstrated moderation and toleration, being both moderate and tolerant and also having a very considerable dose of wisdom, and I think that he has been a very important official in this Province. I regret the fact that he is leaving the Municipal Political scene but I think as Nova Scotians we all owe him a debt for the services he has provided.

I want to compliment your officials and all the members also, on the tremendous job that has been done in upgrading the role, the status and the ability of the Land Surveyors of this Province over the past few years. I think that your recognition, as a profession, has come a long way as a consequence of measures that you yourselves have taken. I think that the actions, the changes, the improvements that you have achieved have been of great benefit and will be of great benefit to all of the people of this Province. As a Lawyer, I know from my days in practise, in searching titles, the insecurity of many land titles in this Province based on the former ways and before your profession became as deeply involved in the land transfers in Nova Scotia and in the systems under which these could take place. I am sure you all have been familiar with the descriptions you run into in searching titles; about proceeding northwesterly forty rods to grandfather's favorite tree and thence in another direction. Well, of course, the science and the scientific approach of the Land Surveyors' Association has remedied in relation to future transactions this really slipshod method of identifying land that existed in the past. I think that the progress that has been made in the coordinate control areas, in the erection of the monuments that make identification of particular lands so much more an exact science, has been a great step forward. I think the law makers in turn have responded to your progress with the requirements that there cannot be subdivisions without the proper certificate of survey from one of your qualified people. I think that there may be other provisions that you will require from the law makers in the future to further compliment the excellent job that you have been doing.

May I also remark on the fact that you will be hearing later in your sessions on a technical basis from those who are charged by the Council of Maritime Premiers with the responsibility for a Maritime-wide program, both of mapping and of preparation for the Torrens System of Deeds Registry, and I think that great progress is being made in relation to these programs. What is perhaps more important from our point of view is that progress is being made on a Maritime basis as one of the projects of the Council of Maritime Premiers, which I think is a very

worth while organization and an organization that is providing through the mutual involvement of the three provinces in programs of this type, a substantial savings and efficiencies of magnitude.

Mr. President I know that you have a very lengthy business schedule and I do not want to delay your delegates unduly; I was interested in sitting at the table briefly down there to see your financial report and to see that you actually have an excess of cash, there is very few organizations around that are in that category and speaking from the Government, we can only envy you because we cannot seem to find enough to go around, but it is not true that as a result of seeing that balance that we plan to put any special tax on Land Surveyors' Associations. I want, since we are in Sydney, to just say one more final word and it is this - since this is the first time you have held your Annual Meeting outside the city of Halifax, I compliment you for doing so and on selecting the great City of Sydney. Too many of us in Nova Scotia spend too much time in Halifax. Now Halifax is a delightful place and notwithstanding any kidding there, that I may do on the subject, but it is not all of Nova Scotia by a long long sight. I think what your organization is doing in choosing to come to Sydney is an important gesture in that we recognize that there are a number of growth areas in this Province and that the industrial Cape Breton area must be one of these and that it is important that you decided to meet here on the occasion. I think the same thing applies to Government. At the present time we are considering the establishment of certain regional ministerial offices so that the Government, which to many people seems to be remote, and a group of people located always in Halifax may better communicate and understand the views and the problems of the people of the Province. Not only have we considered ministerial offices, but we have undertaken a policy of holding Cabinet meetings in different regions of Nova Scotia from time to time. Recently this summer Cabinet met in Kentville for a full day session, not only for regular business, but also for the opportunity to meet with the Boards of Trade of the Valley and various other organizations that were interested in talking with one or more of the Ministers on a particular problem or set of problems, and we are hopeful that in the coming months that we can find an opportunity to have a Cabinet Meeting of this type here in industrial Cape Breton. So I do applaud your efforts in the private sector to also decentralize your efforts and your interests and to recognize that there are a lot of delightful places in Nova Scotia with great potential in each area.

Mr. President I came to pay tribute to the job that your organization is doing to the ever increasing and ever more professional role being played by the Land Surveyors of this Province and pledge the cooperation of the Government of Nova Scotia in any way in which we can be of assistance to your organization, other than by way of cash of course, in the days and years ahead and I am happy to declare your 22nd Annual Meeting officially open. Thank you.

** PRESIDENT J. F. DOIG'S ADDRESS **

Fellow Members, Honoured Guests -

It is my duty at this time to report to you upon events that have taken place during the past year.

It is with great regret that we note during the year the death of one of our Life Members - Arthur Morse Foster, whose registration as a land surveyor took place in 1912, sixty years ago and two of our members, Mr. Ray Wadge, who was with Municipal Spraying and Contracting Limited for 40 years; and Mr. Walter Lahey, a former City Engineer for Dartmouth.

During the year, I have represented your Association at Annual Meetings in New Brunswick, Newfoundland and Massachusetts. As always, the hospitality was excellent and opportunities were ever present to learn how things are done elsewhere. I attended the Canadian Institute of Surveying Annual Meeting in Quebec City on your behalf as well. We were represented at the meeting of Provincial Presidents in Toronto by the Past President, L. R. Feetham. In September, I was invited to attend the Annual Meeting of the Canadian Council on Surveying and Mapping which was held in Halifax.

Mention has been made of the meeting of the Presidents of the Provincial Land Surveyors Associations in September. These meetings have been going on for several years and now each Association is being asked to give approval in principle to the formation of a Canadian Council of Professional Surveyors. Lest anyone think that this requires simply a pious expression of good wishes, let me remind them there is a price tag attached. An assessment of \$4.00 per member is being asked of each Provincial Association. You will be asked to vote a special levy of \$4.00 per member annually for financial support of this Council. It would be nice, and very convenient, if we could put before you a concrete list of benefits which will flow from such a Council. Unfortunately, such is not possible. At this stage, I can only repeat what L. R. Feetham said at this stage last year: The Council "could provide us with the vehicle we require to create a National Syllabus of examination and eventually a move toward reciprocity and a common base for education, standards and ethics".

During the last year Council has met four times in quarterly sessions. To these meetings might be added two additional meetings of opportunity - one last night and one following immediately upon the last Annual Meeting. It is becoming increasingly obvious that the number of topics which come before Council for consideration and the complexities of such topics will require Council to review its methods and procedures. As a result of its latest deliberations, Council has begun to frame written procedural directives and long term objectives for its committees so that committees may have continuing and clear commitments on behalf of Council. E. P. Rice has undertaken to begin work on a set of guidelines and procedures and his assistance here is most welcome. Another approach will probably be partially to staff some committees from the membership at large rather than wholly from Council.

In the period under report the Board of Examiners, of which the President is an ex-officio member, met six times. As a result of some of their deliberations, additional qualifying examinations were introduced to the examination schedule. In September the Board met in Moncton with the New Brunswick Association's Education Committee and with the President of the P.E.I. Association. It was quite apparent from our discussions that there is very little common ground between our present standards and those which are being considered by the New Brunswick Committee. I had hoped, as one of the instigators of this meeting, that a good deal of commonality could be found. Our standards give cause for concern particularly when measured against standards elsewhere. As a point in illustration here, I note that the last examination in the cadastral field for membership in the Ontario Survey Technicians and Technologists Association at less than community college level will be set in December. Our basic standard for registration as a Land Surveyor is just somewhat above the community college level.

Council is very much concerned with the increasing number of complaints received from the general public against members. It is probably fair to say that in almost every case the complaint has first been made by the client to the surveyor but nothing has been done to rectify the matter, or rectification has been a mighty slow process. Sometimes deposits have been made against future survey work, which is not done. Sometimes itemized accounts have not been furnished together with a full explanation of what has gone on. Some deposits just seem to vanish, leaving nothing productive or tangible behind. One can be charitable and say that these situations simply reflect a lack of understanding of the value of public relations on the part of those complained of. But there comes a point when such a lack reflects disparagingly upon the profession and all of us associated with it whether we offer our services directly to the public or through some other organization.

One of the difficulties in dealing with this situation is the normal reluctance of any one of us to sit in judgment upon one of our associates, particularly because we are aware of many ways things can possibly go wrong. Another difficulty appears to be that our Act calls for heavy penalties for major offences but there is no specific listing of lesser transgressions and attendant penalties. The Discipline Committee has work to be done here, and is working, to enable your Association to deal more effectively with problems of this kind. It seems to me that once a justifiable complaint has been made against a member and that complaint communicated to him, the onus remains with him to remove the cause of complaint and the despatch and energy with which he moves is one of the best measures of his good faith and of his competence.

One massive change came upon us this year in the resignation of our former Secretary-Treasurer, E.P. Rice. It had been his intention to step down after ten years' service at this present juncture. His promotion and posting away from Halifax, within his company, brought a change about ten months sooner than expected. I must confess that I received this information at the time with a feeling akin to that of horror, and I suspect G.F. Clarke felt much the same in his position as Assistant Secretary-Treasurer. Fortunately, plans had been made for a handover and these were simply accelerated.

Our new Secretary-Treasurer deserves a hearty vote of thanks for what he has done for us since he has assumed the full duties of his office. He has had a busy time. Thanks are owing too, to Miss Dorothy Lowe, who has given us excellent secretarial service during the year. The quality of her work is plain to be seen in each edition of The Nova Scotian Surveyor.

Hopefully, during the last twelve months, our deliberations and activities and our accomplishments have all been worth while and productive at least to some degree. For my part there is no doubt but that the most important and significant happening of the year has been the establishment of a mutual feeling of trust and goodwill between the Association of Professional Engineers of Nova Scotia and our own Association. That this spirit of cooperation is an absolute necessity, if both our Associations are properly to discharge the duties we owe the public in the field of surveying, must be plain to everyone. Equally plain ought to be the fact that it will make life a lot more fun.

It has been a privilege to serve you as President, and I thank you for the confidence you evidenced in me a year ago. I am indebted to the Secretary-Treasurer for his support and to Council both individually and collectively for theirs. I have learned a lot that I did not know before and I have come to see some situations in a light rather different from that in which I had previously viewed them. I trust I have grown a little wiser as well as a little older.

ANNUAL REPORT OF SECRETARY-TREASURER

Mr. President, Guests and Members:

I would like to extend a welcome to all our guests who are attending this 22nd Annual Meeting, and hope you find your stay with us pleasant and enjoyable.

The present membership statistics are as follows:

	<u>1971</u>	<u>1972</u>
Honorary Members	6	6
Life Members	15	17
Members	196	214
Associate Members	2	2
Non-Practising Members	25	23
Arrears	<u>26</u>	<u>22</u>
TOTAL	<u>270</u>	<u>284.</u>

During the year 17 new members were admitted to the Association and three members died, for a net membership increase of 14.

In September of this year another five year debenture of \$200.00 was invested with Nova Scotia Savings and Loan Company, making a total investment of \$600.00. Interest earned from the Savings Account amounted to \$78.55. Although these amounts are small it is hoped they eventually will become larger and with the assistance of the Budget Committee steps will be taken to place the Association on a firm financial footing in the future.

During the past year the following were purchased: - a dictating machine plus accessories, and approximately 300 embossing plates for addressing envelopes, making the total inventory of office equipment valued at about \$1500.

The use of the Association Professional Stamp, when signing survey plans, continues to be encouraged by the Executive and Council.

During the past year Council Meetings were held on December 4, 1971, March 11, 1972, June 10, 1972 and September 23, 1972. In keeping with previous policy all Council Meetings are covered in "The Nova Scotian Surveyor".

Regional Meetings were held in all Sections of the Province, and will be reported on later in the program.

In closing, I would like to thank the Executive and Council for their assistance during the year and look forward to their continuing assistance in the future.

I would also like to thank and congratulate John Pope and his Convention Committee for their work in arranging this 22nd Annual Meeting.

I also wish to thank all the Exhibitors for attending and presenting an excellent display of their equipment for our inspection.

I trust you will all have an enjoyable meeting and look forward to seeing you at the next meeting.

Garnet F. Clarke
Garnet F. Clarke,
Secretary-Treasurer.

THE ASSOCIATION OF NOVA SCOTIA LAND SURVEYORS

FINANCIAL REPORT

OCTOBER 1, 1971 TO SEPTEMBER 30, 1972

	<u>1972</u>	<u>1971</u>
Cash on hand October 1, 1971	\$ 3,732.08	\$ 3,846.31
Receipts	11,378.88	9,860.55
Expenditures	\$11,502.43	\$ 9,974.78
Cash on hand September 30, 1972	<u>3,608.53</u>	<u>3,732.08</u>
<u>TOTAL</u>	<u>\$15,110.96</u>	<u>\$13,706.86</u>

The Cash on hand September 30, 1972, consists of the following:

1) Nova Scotia Savings & Loan Debentures (5 years @ 8%)	\$ 600.00
2) Bonus Savings Account	1,167.31
3) Current Account	1,760.22
4) Cash held by Secretary-Treasurer	<u>81.00</u>
<u>TOTAL</u>	<u>\$ 3,608.53</u>

DETAILS OF RECEIPTS

	<u>1972</u>	<u>1971</u>
Dues: - Current	\$ 6,401.65	\$ 5,942.90
Arrears	360.00	245.00
Associate	30.00	30.00
21st Annual Meeting	2,319.51	1,878.25
Examination Fees	1,485.02	1,252.75
Nova Scotian Surveyor	611.75	335.50
Subscriptions	-	4.00
Professional Stamps	45.50	66.50
Premium on U. S. Currency	-	.30
Interest on Debentures	18.00	18.00
Interest on Savings	78.55	83.35
Membership Certificates	18.00	4.00
Miscellaneous	<u>10.90</u>	<u>-</u>
<u>TOTAL RECEIPTS</u>	<u>\$11,378.88</u>	<u>\$ 9,860.55</u>


DETAILS OF EXPENDITURES

	<u>1972</u>	<u>1971</u>
21st Annual Meeting	\$ 3,292.67	\$ 2,691.77
Board of Examiners	1,573.03	1,532.22
Nova Scotian Surveyor	1,451.05	902.91
Professional Stamps	28.60	59.13
Postage	410.10	302.51
Stationery	167.78	344.74
Council Meetings	460.43	281.69
Stenographic Services	422.00	371.00
Delegates to Conventions	1,090.71	829.50
Telephone and Telegraph	39.11	63.70
Solicitor's Fees	-	865.00
N.S.F. Cheques	-	15.00
Bank Charges	7.20	6.35
Bank Charges - Printing Cheques	7.12	-
Honorarium to Secretary-Treasurer	500.00	500.00
Flowers	33.70	51.54
Donations (C.I.S. Student Travel Fund)	-	100.00
Roll of Members	313.98	288.81
Miscellaneous	144.24	89.46
Addressing Machine - C/W Plates	590.09	-
Refunds	-	-
Typewriter	-	679.45
Dictating Machine and Accessories	207.21	-
Regional Meeting - Truro	28.00	-
Special General Meeting	146.39	-
Fee Schedule Book - Printing	323.57	-
Land Surveyors Act Book - Printing	265.45	-
<u>ACTUAL EXPENDITURES</u>	<u>\$11,502.43</u>	<u>\$ 9,974.78</u>

Respectfully submitted,

G. F. Clarke,
Secretary-Treasurer.

Audited and found correct by:-

Auditors: 
J. F. Archibald
Ernest Boehk

**** W. S. CROOKER - PRESIDENT ****

ACCEPTANCE SPEECH

Distinguished Guests and Fellow Surveyors:

It is an honour to become your President for the coming year, and I accept the responsibility and dignity of this office with pleasure and deep humility. As other presidents have done before me, I will strive to improve the surveying profession in this Province and I will endeavour to work long and hard on your behalf.

As your new President, I look forward to the year ahead with hope and optimism. We live in a world of rapid change and technological progress and the opportunities for improvement are unlimited. We are still a young Association and although much has been accomplished in past years, there is still a vast amount of work to be done.

One matter of particular concern requiring immediate attention is the educational qualification and professional status of our members. I think that most of you will agree that a high school education, followed by a two year technical training course at Lawrencetown, does not provide a sufficient educational base for the modern surveyor. Recent advances in technology are finding applications in survey practice and today's surveyor requires a greater technical background than the surveyor of fifteen or twenty years ago. The surveyor in Nova Scotia should be trained at the university level and a university degree should be a prerequisite for a land surveyor's certificate. Hopefully, this will eventually become a reality. How soon will depend upon our present efforts; however, the line of action seems clear, we must take immediate steps to up-grade the educational requirements for new members and take every opportunity to further educate ourselves if we expect to continue as an important and useful surveying society.

Another area of concern is "professional conduct". During the years I have spent on Council, many complaints have been received from the public. On looking back, it seems to me that the majority of these complaints resulted from a lack of communication between surveyor and client, and that many of these complaints would have been avoided if the surveyors involved had conducted business with their clients in a more professional and business-like manner.

Of equal concern are the problems encountered by our members in private practice. Many of our private practitioners feel that the Association is not concerned with their problems and there is little to be gained by approaching Council with their difficulties. It is unfortunate that this attitude should prevail and I urge these members to bring their problems to their Councillors so that we can better serve them and thus better serve the public.

Needless to say, there are many other items of equal or greater importance and the year ahead will be a busy and interesting one.

I thank you for the trust you have placed in me, and I wish to reiterate my sincerity to serve you in the best manner possible during the year ahead.

New Technology, Techniques Result In Greater Accuracy In Surveying

Nova Scotia land surveyors were told Friday that their profession now is considered a science.

Premier Gerald Regan told the opening session of the 22nd annual meeting of the Association of Nova Scotia Land Surveyors that new technology and techniques have resulted in greater accuracy in surveying.

He paid tribute to the executive and members for keeping abreast of rapid changes in their field.

Land surveying today has developed into a science where new technology and techniques have resulted in greater accuracy," he told some 150 delegates and their wives attending the convention at the Isle Royale Hotel.

IMAGE

Premier Regan said the image of the land surveyor has increased considerably over the past few years as a result of new technology and techniques.

He congratulated the executive for holding its annual convention in Sydney, the first meeting held outside Halifax and drew a parallel to the association recognizing other sections of the province to the provincial cabinet's policy of holding regional cabinet meetings.

Mr. Regan noted that a cabinet meeting was held in Kentville last summer and he expressed the hope that a similar meeting will be held in Sydney within a month.

He also hinted at the government's desire to establish more regional offices so that the gov-

ernment can be closer to the people."

Education Minister Allan Sullivan now has a regional office in Sydney.

Mayor Carl Neville and Cape

Breton County Warden Ed Kyte also participated in the opening session and welcomed the visitors to the area.

Following the opening session, Mayor Neville extended an invitation to Premier Regan to hold a cabinet meeting in Sydney. The two-day convention concludes tonight.

WATER IS NEEDED

Water is important in your diet as it helps to regulate body temperature, aids digestion and sustains the health of body cells.

Owned and Operated by Canadians

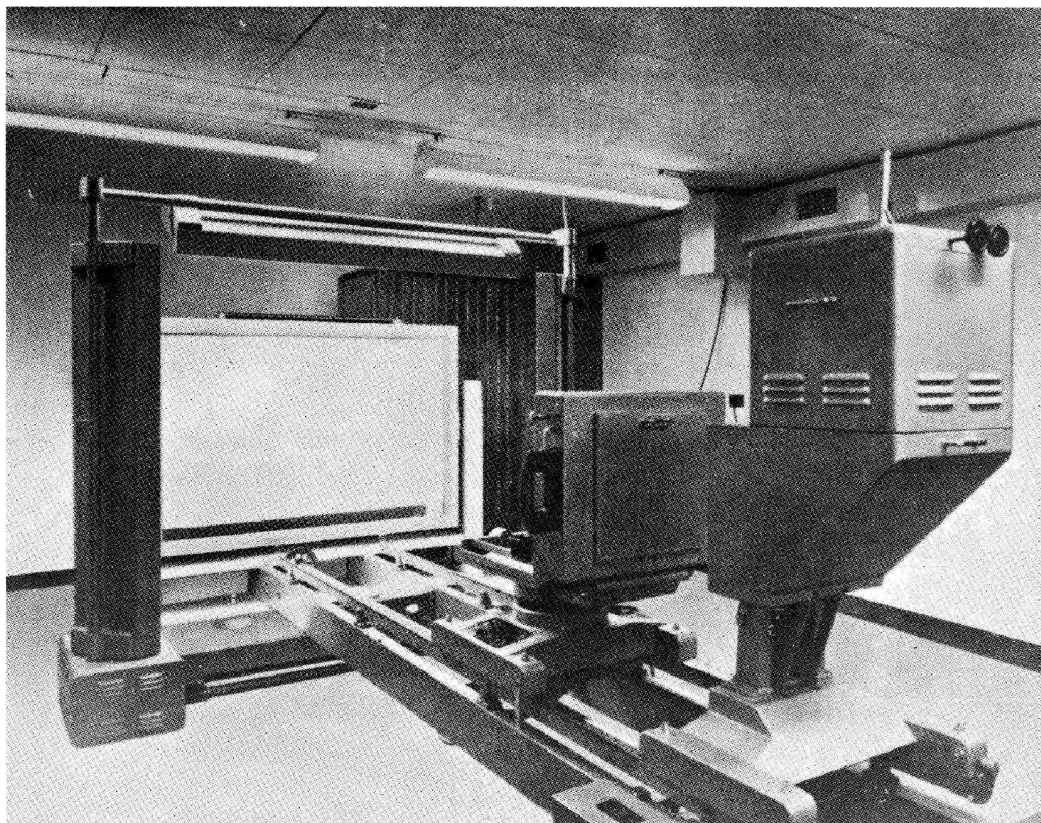


THE HUGHES-OWENS COMPANY (LIMITED)

ANNOUNCES

THE "BARCRO" SYSTEM OF ENLARGING & REDUCING

ALL METAL CAMERA PROJECTION UNIT



FIRST COMMERCIAL OPERATION IN EASTERN CANADA

FILM NEGATIVES
PAPER NEGATIVES
CRONAFLEX POSITIVES
CLEAR POSITIVES
CONTINUOUS TONE -
NEG. OR POSITIVES

AERIAL PHOTO BLOW UPS
PLAN ENLARGEMENT UP TO 5 FT.
REDUCTION TO 4" x 6"
MAP ENLARGING OR REDUCING
AUTO-POSITIVES
CONTACT PRINTING

PH. 423-6762 — 422-9694

5443 COGSWELL ST. HALIFAX N.S.



SURVEY MARKER



The new survey marker consisting of a corrosion resistant aluminum head threaded to a sharpened carbon steel rod and ribbed for better holding characteristics.

This marker has won approval from professional Land Surveyors in the Maritime Provinces and in the U.S.A. Also in departments of federal and provincial governments - utilities and municipalities.

Customized heads, bearing the initials or registry number of the individual may be supplied, but time must be allowed for manufacture.

Proven by years of use Enheat Surveyors Markers are now in use all across Canada and internationally - from the Arctic Islands to the islands of the Pacific.

Another New Service From
ENHEAT STEEL DIVISION

Manufactured By

Enamel & Heating Products Limited
AMHERST, N. S.

Nova Scotia Land Survey Institute

OPERATED BY

**THE DEPARTMENT OF EDUCATION
PROVINCE OF NOVA SCOTIA**

**CARTOGRAPHY (1 year)
PHOTOGRAMMETRY (2 years)
SURVEYING (2 years)**

The survey course prepares one for the Intermediate and Final Part I Examinations for registration as a Nova Scotia Land Surveyor

FULL PARTICULARS FROM

**The Principal
Nova Scotia Land Survey Institute**

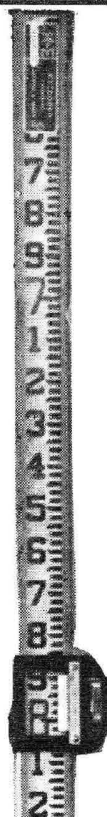
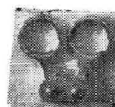
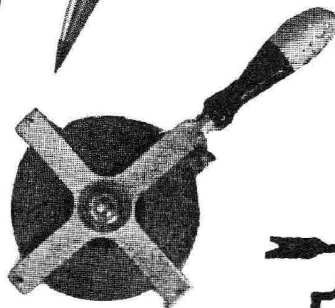
Lawrencetown, Nova Scotia.

the

complete line

accessories

of surveyor's



CRESCENT Quality Hand Tools
LUFKIN Pocket, Engineering and
Surveying Tapes

WELLER Soldering Tools

"All the Best from Cooper"

The Cooper Group

CRESCENT LUFKIN WELLER

The Lufkin Rule Co. of Canada Limited
164 Innisfil Street
Barrie Ontario Canada
Telephone: 728-5564



Atlantic Air Survey
(1963) LIMITED

Now with two mapping instruments -
Wild A8

Zeiss Stereometrograph
and a staff of 12 to serve you better.

Drop in to see our facilities at
155 Ochterloney St. Suite 4, Dartmouth.

AERIAL PHOTOGRAPHY
TOPOGRAPHIC MAPPING
PHOTO MOSAICS
INTERPRETATION STUDIES

ATLANTIC AIR SURVEY (1963) LIMITED
P. O. Box 187, Dartmouth, N. S.
469-7901



MONROE The Calculator Company

6100 Young Street, Halifax, Nova Scotia
Telephone: (902) 454-6405

MONROE 1765 SURVEYOR
electronic programmable
printing calculator



The electronic programmable printing calculator that —

- speaks the language of surveying
- combines single-key surveying calculations with powerful computer programming specifically for the surveying profession for field or office use

Registers Ten data and six working registers

Printing Mode Preset decimal or scientific notation

Input 10-key keyboard, 14-digit capacity

Output High-speed drum printer

Capacity 14-digit input, 10-digit output, 14-digit internal accuracy

Error Prints ERROR when a mathematically undefined operation is performed

Overflow Prints OVERFLOW when entries exceed 14 digits or results exceed calculator capacity of $10^{\pm 99}$

Special Keyboard Capabilities Degrees-minutes-seconds to decimal conversion and reverse; quadrant identification; azimuth/distance to latitude/departure conversion and reverse; forward and inverse calculations; degrees to radians conversion and reverse; conversion between azimuth and bearings and reverse; 360° normalization; a^b , $1/x$, \log_{10}/\log_e , \sin/\cos , \sin^{-1}/\cos^{-1} .

Basic Function Keys π/e , +, −, X, ÷, CHG SIGN, DEC, CLEAR X, EXP, PRINT X

Options Separate, detachable card-reader permits storage of programs on punch cards, also permits calculator instructions not available through keyboard

Machine Instructions Absolute value, identifiers, integer x

Programming Learn-Mode or punch card programming with 256-step program memory. Jumping, looping, sub-routines, decision-making

General Length 16", width 14", height 6½". Weight 22½ lbs.



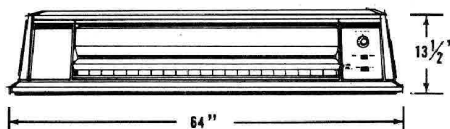
BRUNING

PD-80

**NEW COPYING PROCESS
FROM BRUNING**

**ADDRESSOGRAPH MULTIGRAPH
6100 YOUNG ST. 455-5411**

- ODORLESS
- NO WARM-UP
- NO DAILY CLEANING,
NO WASTE
- NO INSTALLATION
PROBLEMS
- CONVENIENT TO TRY



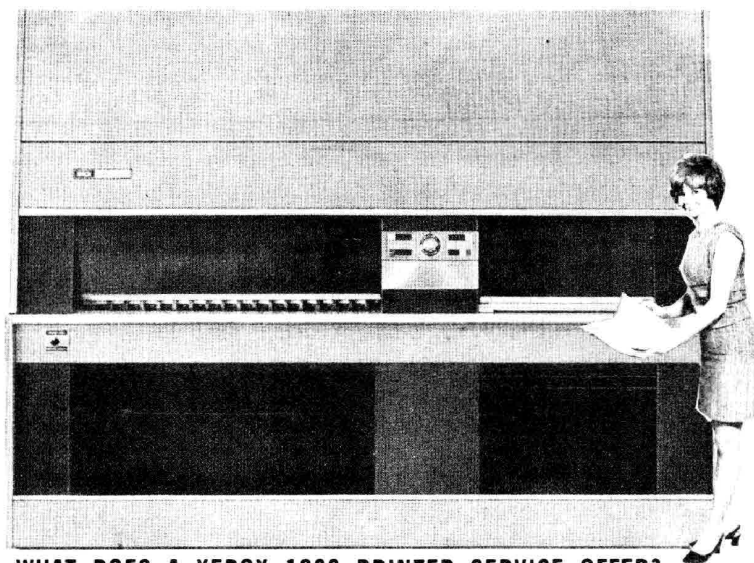


INFORMATION

DRAFTING, DESIGN, REPRODUCTION, SURVEYING, TECHNICAL SCHOOL
MATERIALS & EQUIPMENT; LETRASET & ACS TAPES; WADE DI-LINE &
DI-LAR, TRANSTEX & TRANSLAR PAPERS & FILMS; DRAWING TABLES.

1st IN THE ATLANTIC PROVINCES

ANNOUNCING OUR NEW XEROX 1860 PRINTER, REPRODUCTION
PICK-UP & DELIVERY SERVICE



WHAT DOES A XEROX 1860 PRINTER SERVICE OFFER?

The Xerox 1860 printer produces high quality paper offset masters, translucent intermediates and prints (on ordinary paper, Transtex #20 Tracing Paper, Translar .003 Drafting Film, Transuave Clear Transparency Film and Tru-stik medium tack adhesive film) up to 18" x any length. You can copy originals as large as 36" x 120", or longer, and up to 1/8" thick, either single sheet or board mounted.

The 1860 Printer prints size for size or reduced images on your required material at a selected ratio of print to size of original (100%, 95%, 75%, 62%, 50%, 45%). Dry, finished reproductions are produced in about 30 seconds, ready for immediate use.

Because it is a xerographic printer, the 1860 can copy colors and all inks — in sharp, jet black — from anything written, printed, typed or drawn.

Applications for the 1860 include a wide variety of uses from engineering and architectural drawing creation and old drawing restoration to creation of newspaper proof copies from pasted-up originals.

WOULD YOU LIKE TO SEE ONE IN ACTION?

We would appreciate your interest to do so by appointment. Please contact K. Flood for a demonstration at your earliest convenience.

423-8992
423-6603

norman wade company ltd

THE LATEST TELLUROMETER

WEIGHS 4 LBS. PER INSTRUMENT
MEASURES 100 FT. TO 20 MILES EVEN IN FOG



With an accuracy of
.05 ft \pm 1:100,000.

Has instant on

FM radio even
when measuring

Can run on flashlight
cells or any 12v source

Measuring time 3 mins.

Costs \$4000 for
a 2 instrument system

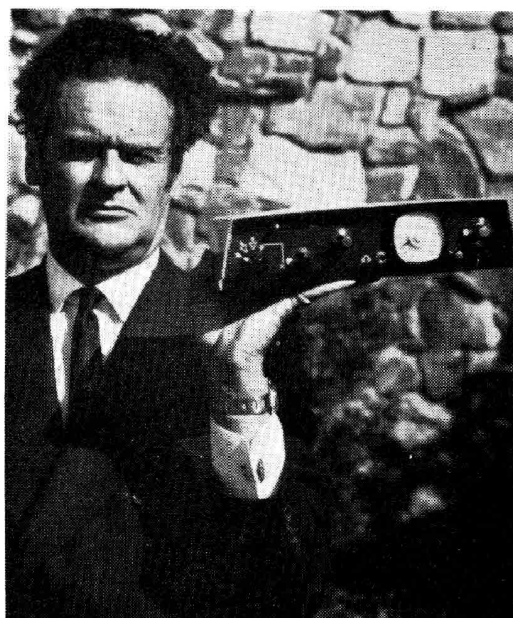
Suits your pocket
for size and cost

The CA1000

Another
quality



Plessey
product



TELLUROMETER CANADA LTD.

1805 WOODWARD DRIVE, OTTAWA K2C 0P9

PHONE (613) 225-3620