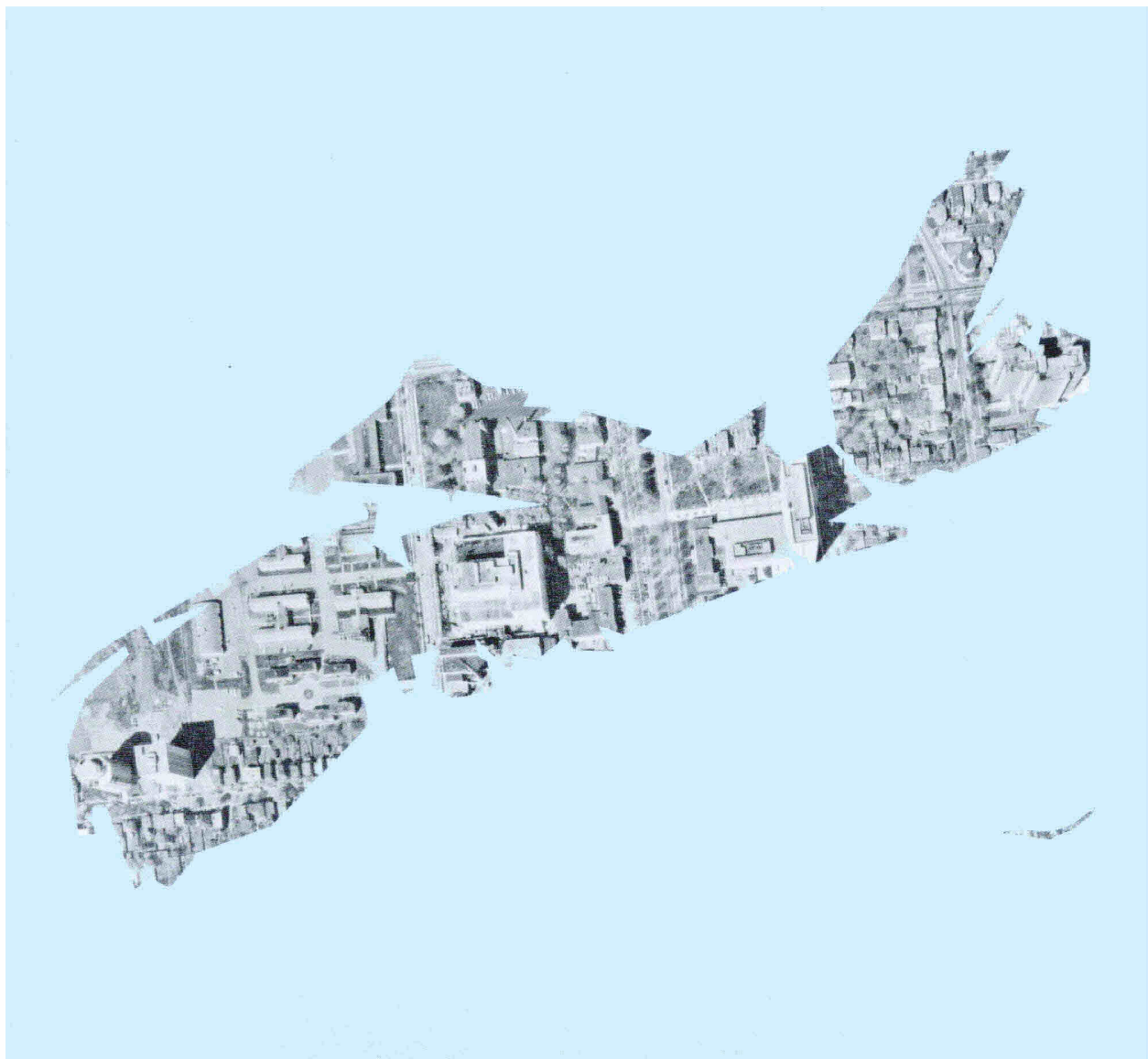


The NOVA SCOTIAN SURVEYOR



ANNUAL MEETING 1971



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

We are pleased to announce the December 6th official opening of our new survey repair and service facilities located in our Trade Mart, 1st Floor Operations Centre.

Complete optical and power tooling has been installed to offer IMMEDIATE adjustments, overhauls and complete repairs to WILD, ASTRA and COMPETITIVE instruments and equipment.

KEITH TAYLOR, our new instrument technician brings with him 8 years of factory apprenticeship and 4 years of in-plant instrument repair. We are extremely proud to have Keith on our team.

CALL, WRITE, or VISIT OUR SALES OFFICE for a personal introduction to Keith and a visit through our Survey Centre facilities.

We are confident that you will find our new facilities an important service to your industry. Please count on our sincere support and co-operation to service ALL your instrument service requirements.

SEASON'S GREETINGS,

King Flood,
Branch Manager



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

James F. Doig
President

Edward P. Rice
Secretary-Treasurer

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

Founded 1951

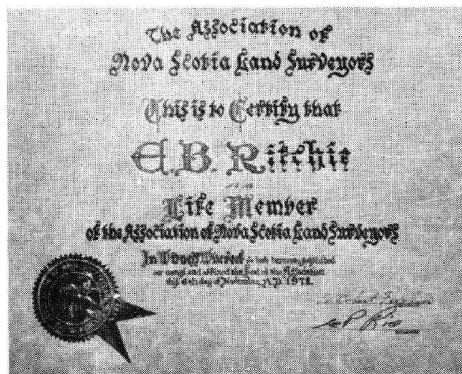
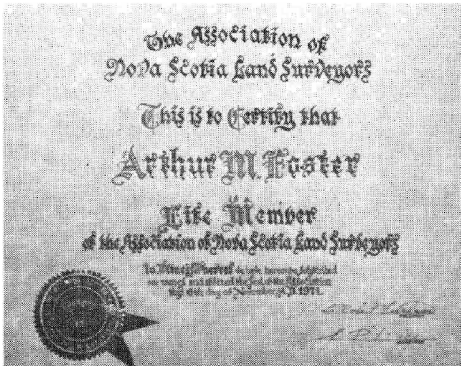
Incorporated 1955

Vol. 24

JANUARY 1972

No. 68

1971 HONORED MEMBERS



- 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.

ADDRESS BY THE PRESIDENT	- L. R. (Bob) Feetham.....	3
ANNUAL REPORT OF THE SECRETARY-TREASURER	- E. P. (Ed) Rice.....	4
MINUTES OF THE 21ST ANNUAL MEETING	- E. P. (Ed) Rice.....	5
FINANCIAL REPORT	- E. P. (Ed) Rice.....	22
SLATE OF OFFICERS - 1972	-	24
ACCEPTANCE SPEECH OF NEW PRESIDENT	- James F. Doig.....	25
GUEST LIST	-	26
REGISTERED MEMBERS AT 21ST ANNUAL MEETING	-	27
EXHIBITORS LIST	-	28
OPEN LETTER FOR PRIVATE SURVEYORS	-	29
PICTURE PAGES	-	30
LETTERS AND NOTICES TO THE EDITOR	-	33

PRESIDENT L. R. FEETHAM'S ADDRESS

Fellow Members, Honoured Guests -

It is my pleasure at this time to report to you on the progress of your Association during the past year. The year gone by has been an extremely busy and rewarding one for me. Being your President for this period has provided me with the opportunity to gain a greater insight into the problems affecting the Survey Profession on both the local and National levels.

During the year, I represented your Association at the Annual Meetings of New Brunswick, Newfoundland, Massachusetts, and I attended the C.I.S. Meeting at Ottawa, in February, where I chaired the Provincial President's Luncheon Meeting. We were also represented at the Annual Meeting of the Association of Ontario Land Surveyors by Walter Servant, and Jim Chisholm very kindly attended the Prince Edward Island Meeting on our behalf. The Nova Scotian Surveyor carried reports from these meetings.

I am pleased to report that the amendments to our By-laws have finally been approved by Governor-in-Council. Further discussions will take place on this matter as the meeting progresses.

This year, Council in its wisdom, has been fit to create several new committees. One of these committees deals exclusively with the growth of our Association and what we can hope to look forward to in the future. A report from this committee will be presented in our Committee Reports. A second committee was charged with the responsibility of carrying out a survey of all interested parties who wished to see an organization of technicians and technologists formed in Nova Scotia. There will be a report from this Committee as well. Also a handbook has been prepared which will shortly be distributed. This booklet contains our Act, Regulations and By-laws, and should be used as a guide for all surveyors who practise land surveying. The book will be reviewed and revised in the future as occasion arises.

On June 12 of this year Council held a meeting at Sydney. It was an historical occasion since it was the first Council Meeting ever held outside of Halifax. All members were in attendance and the meeting was very productive.

On the National scene the Provincial President's Meetings have brought to light the need for some form of National Organization which will provide for continuing dialogue among the Provinces. On October 23rd, I had the privilege of chairing a second Provincial President's Meeting in Toronto. At this meeting some very important resolutions were adopted. These resolutions 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. I would recommend that all here present pay particular attention to these resolutions when they are presented later in the meeting. They could, when approved by the Provincial Associations, have far reaching effects on our lives as Surveyors.

I would be remiss if I did not take this opportunity to thank Council, on your behalf, for the work they have done during the past year. Attendance at Council Meetings has been excellent this year. All members worked hard and took a keen interest in discussing Association business at Council Meetings. Our Association Secretary deserves a vote of thanks for his continuing hard work, even though he has served notice on us of his intent to resign. He has agreed, however, to carry on for another year and then act in an advisory capacity to the new incoming Secretary in 1973. In order to lighten the load on Ed, we have engaged the services of a part-time Secretary, who provides us with typing and shorthand services. This service is also being used by our Editorial Committee in the production of the Nova Scotian Surveyor.

The Board of Examiners and Prof. A.F. Chisholm and their Secretary, J. Archibald, are to be congratulated for their continuing, behind-the-scenes, activities.

To me it has been a privilege and an honour to be your President. I have attempted to work hard on your behalf. I ask that you show the same continued cooperation to our new incoming executive. Realizing that there is strength in unity I am sure you will.

ANNUAL REPORT OF SECRETARY-TREASURER

Mr. President, Guests and Members:

For awhile during the past year I had hopes that this would be the last report that I would be presenting to you as your Secretary-Treasurer, however, as things turned out it looks like I have just one more and that is all.

I would like to extend my own personal welcome to all our guests who are honoring us with their presence here at our 21st Annual Meeting. It is my sincere wish that you will find your stay interesting, pleasant and enjoyable.

The present membership statistics of the Association are as follows:

	<u>1970</u>	<u>1971</u>
Honorary Members	6	6
Honorary Life Members	13	15
Members	188	196
Associate Members	2	2
Non-Practising Members	21	25
Arrears	<u>32</u>	<u>26</u>
TOTAL	<u>262</u>	<u>270.</u>

During the year 9 new members were admitted to the Association, one reinstatement and 2 resignations, for a net increase of membership of 8.

In April of this year, another five year debenture of \$200.00 was invested with Nova Scotia Savings and Loans, making a total investment of \$400.00. Interest earned during the year from the Savings Account amounted to \$83.35. Although these amounts are small they are steps in the right direction and hopefully someday they will be much larger.

To assist me in the carrying out of the correspondence of the Association, and the Editorial Board of the Nova Scotian Surveyor, an IBM Electric Typewriter was purchased and is used by our part-time typist, Miss Dorothy Lowe. Two weeks ago an Addressograph Machine was purchased to facilitate the mailing of circulars, the Nova Scotian Surveyor, etc. These two items, plus other miscellaneous items brings our office equipment value to approximately \$1,200.00.

The Executive and Council continue to encourage the use of the Association Professional Stamp when signing survey plans.

Council Meetings were held on December 5, 1970; March 13, 1971; June 12, 1971 and September 18, 1971. The proceedings of the last Council Meeting were covered in the Nova Scotian Surveyor. In future it is the Executive's decision that the proceedings of all Council Meetings will be covered in the Surveyor. The most memorable of the above Council Meetings was that of June 12 in Sydney. All Councillors were present, it was held on the day following a Cape Breton Regional Meeting and it was voted and unanimously approved that at least one of the Council Meetings a year be held outside of the Halifax area.

During the year Regional Meetings were held in all sections of the Province and you will be hearing reports from these meetings later in the program.

In closing my report I would like to thank our President, Mr. Bob Feetham, who has helped me untiringly, and who has worked very hard on our behalf throughout the year. My thanks also go out to the Convention Committee who have done so much to make this a success. The members are: - Our President, Dave Hiltz, Al Daykin, Garnet Clarke, Ted Webber and Mrs. Rhoda Feetham.

I also wish to thank all the Exhibitors for attending this year. There are 15 in all, and I feel that together they have put on the best display we have ever seen at our Conventions.

I trust you will all have an enjoyable meeting.

E. P. Rice,
Secretary-Treasurer.

THE ASSOCIATION OF NOVA SCOTIA LAND SURVEYORS

TWENTY-FIRST ANNUAL MEETING

NOVEMBER 4, 5 AND 6, 1971

- MINUTES -

FRIDAY, NOVEMBER 5, 1971 - 10:00 A.M.

President L. R. Feetham called the Twenty-first Annual Meeting to order at 10:00 a.m., with the ringing of the Baffin Bell.

Alderman Cecil O'Hearn, representing Mayor Roland Thornhill of Dartmouth, welcomed the members and guests.

President Feetham then introduced the guests as follows:

Mr. Gilbert Simard	- President, Canadian Institute of Surveying
Mr. Jean Marie Chastenay	- Secretary-Treasurer, Quebec Land Surveyors Association
Mr. K. F. MacDonald	- President, Association of New Brunswick Land Surveyors
Mr. B. V. Schofield	- Representing, M.A.L.S.C.E.
Mr. D. A. Schofield	- Schofield Brothers Associates, Inc.
Mr. A. C. Hamilton	- Department of Surveying Engineering, University of New Brunswick
Mr. C. Y. Mersereau	- Representing the Assistant Director of Surveys, Lands Branch, New Brunswick
Mr. E. A. Green	- Supervisor, Institute of Applied Arts and Technology, Province of Nova Scotia
Mr. Lou Gale	- Department of Energy, Mines and Resources, Ottawa
Mr. Dave Wells	- University of New Brunswick
Mr. W. F. Roberts	- Representing Department of Natural Resources, New Brunswick
Mr. B. F. Alexander	- President, Association of Newfoundland Land Surveyors.

PRESIDENT'S REPORT -

President Feetham presented his report to the meeting.

The President asked that the members stand for a moment of silence in respect to the late William Crooker, Sr., who passed away during the year.

MINUTES OF TWENTIETH ANNUAL MEETING -

Mr. E. P. Rice, Secretary-Treasurer, moved that the minutes of the Twentieth Annual Meeting be adopted as written and distributed. Seconded by Mr. Ivan P. Macdonald. Motion carried.

FINANCIAL REPORT -

Mr. E. P. Rice moved that the Financial Report be adopted as presented and distributed to members attending the meeting. Seconded by Mr. William Crooker, Jr. Motion carried.

SCRUTINEERS REPORT -

In accordance with Section 18 of the By-laws of the Association, a list of candidates was mailed out two weeks prior to this meeting.

President Feetham then read the results of the election of officers for the coming year:

President	- James F. Doig
Vice-President	- W. S. Crooker, Jr.
Secretary-Treasurer	- E. P. Rice

Councillors:	
Halifax City	- E. F. Boehk
Halifax County	- Murray Banks
Western Nova Scotia	- L. Eugene Elliott
Eastern Nova Scotia	- David C. Clark
Cape Breton	- Victor J. Comeau
Councillor at Large	- Ivan P. Macdonald.

REPORT OF NOVA SCOTIAN SURVEYOR -

Mr. Walter Servant gave his report as follows:

Giving this Editorial Report on the Nova Scotian Surveyor is more of a pleasure this year than for some years past. The work of the Board is beginning to bear fruit which we trust the membership will find palatable. Three issues have been mailed out this year with a fourth issue to come.

I call your attention first, to the new cover which the Board is pleased with, but, we intend to be continually making changes in the appearance. You might think that Sable Island looms rather large, well, it does! In the news and in the minds of most Nova Scotians today as well.

The print has been changed due to the Association having purchased a typewriter this year. Generally, this style of type is heavier than in the past, thus being more readable. The script style of type in these last two issues is light, but we intend to change that in the next issue. With this better appearance we feel more people will be wanting to advertise, which will assist us financially. Generally, we have been operating with a three-man Board. I have been acquiring the material and having it typed on the Association typewriter by our Association (part-time) stenographer. This typed material is then correlated by Ivan Macdonald, who then has it printed with the advertising content which is acquired and submitted by Roy Dunbrack. The last two mail-outs and addressing have been made by Garnet Clarke. Our stenographer is taking a big interest in this publication and has been willing to type up material when we have been in a last minute rush. Ivan Macdonald has been able, with the printers, to reduce the time required for printing considerably.

The pictures in the last issue were taken at last year's Annual Meeting by George Bates and this year's President has submitted articles for each issue.

We shall not rest on our laurels but intend to improve upon the type and to provide more articles of interest to the Nova Scotia Surveyors.

REPORT OF NOVA SCOTIA LAND SURVEY INSTITUTE -

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

I recall last year in delivering this report I mentioned that it is difficult to know precisely what to remark upon in order to satisfy the interests of all. I have selected some topics which seem of more than passing interest, and must leave it to the individual who has other interests to ask about them either of other members of the staff or myself as opportunity offers.

1) Enrolment - We have 60 students at the Institute in all courses. Our capacity is 67 but casualties were particularly high in first-year photogrammetry last year which accounts for our operating at less than full capacity.

2) Course Analysis - In June and July our Advisory Committee began an analysis of the Photogrammetry Course to tell us precisely what the course ought to contain. We expect to receive shortly the final statement of this analysis in terms of course content, additional equipment needs and costs.

In April the Advisory Committee met to give some consideration to the survey course curriculum. The results were very interesting, particularly to

those of us on the staff of the Institute who are or were concerned directly with this course. It showed us very clearly: what was being taught which was directly useful to the employer, what was being presented because the instructor thought it a good idea, and what was being taught in order to train the student to pass registration examinations.

3) New Equipment - This summer past we acquired a new Geodimeter Model 6B, which has brought us up to date in this particular area of electronic distance measuring equipment - having previously had a Model 4B.

At the end of August we took delivery of a Wang 700B Electronic Calculator which is capable of both numerical and alphabetical print-out. It is presently accessible to all students on a purely "do-it-yourself" approach from the handbook. As members of the staff acquire facility with the calculator the student can be better helped to learn how to use this or similar machines. Basically it will remain very much a "do-it-yourself" endeavour for, as with a piano, you can't learn to operate this equipment without practice.

4) Advisory Committee - I have made previous mention of this group. Chaired by W. E. Servant, it is composed of H. B. Robertson, D. E. Wagstaff, S. E. Daykin and ex officio - Chairman, Board of Examiners (A. F. Chisholm), and the President of the Association of Nova Scotia Land Surveyors. This spring Mr. Daykin was appointed by the Minister of Education, The Honourable Peter M. Nicholson, Q.C., replacing Chester Keen who had served us for many years. Mr. Daykin's appointment strengthens the photogrammetric background of our committee. Our Minister extended an invitation to the Government of New Brunswick to appoint a member to the Committee and I understand New Brunswick's nominee is Mr. John McLaughlin. I welcome this appointment for many reasons - not the least of these because I see it as one more concrete step along the road of co-operation between our provinces, as well as formal recognition of our appreciation for the good advice, the goodwill and the good students we have consistently had from New Brunswick over these many years.

5) Department of Education - We are still operated directly by the Department of Education and our immediate friends there are Mr. E.A. Green, Supervisor of Institute of Applied Arts and Technology and Colonel G.E. Streb, Chief Supervisor of Applied Arts and Technology Education.

In passing one might note that only in New Brunswick and in Nova Scotia are technical institutes operated directly by the provincial departments of education. In every other province such institutions are operated by boards of governors.

NEW MEMBERS -

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

A. E. Atkinson	D. L. Parker
T. R. Doogue	T. W. Smith
L. N. Flemming	G. E. Wentzell
F. C. Hutchinson	R. E. White
J. W. L. Monahan	

COMPLAINTS COMMITTEE -

Mr. E. P. Rice gave a report as follows:

This Committee is made up of the Secretary-Treasurer, Mr. W.S. Crooker, Jr., and Mr. Ivan P. Macdonald.

During the year seven formal complaints were received:

Two from surveyors against persons unqualified to practise. One has been resolved and the other is still under investigation.

One from a surveyor against another surveyor which has been resolved.

Four from persons (clients) against surveyors. Of these two have been resolved and two are still under investigation. In these cases the complaints are usually about the bill received for the work done. It is this Committee's opinion that the surveyors

are underestimating their jobs to the clients, and consequently they get irritated when receiving a high bill, which was not expected. Also there is a lack of proper communication between the client and the surveyor. We would urge surveyors to use the new booklet - "Fees and Charges" which is available, (one copy per member) from our registration desk.

This Committee has been in operation for one year and is producing at least a portion of the results it was created to do and for this reason it has not been necessary to hold any Discipline Committee Meetings.

DEPARTMENT OF HIGHWAYS COMMITTEE REPORT -

Mr. L. R. Feetham called on Mr. J. F. Doig to give a report on a meeting held with regional representatives of the Department of Highways. This report is as follows:

1) In April 1971, I met with representatives, who were directly concerned with surveying, from each of the Highway Regional Offices. These arrangements were made through the kindness and cooperation of Messrs. Fitzner and Pertus, Departmental Engineers.

2) Through the cooperation of the Survey Section, Department of Lands and Forests, we had available to us information sheets showing the breakdown of the Provincial co-ordinate System and map sheets of the various scales called for by this system.

3) We spent the best part of a day reviewing the basic concepts of a map projection such as the UTM 3rd Modified System, and the concept of position indication and associated calculations by co-ordinates.

4) For the most part I attempted to put before those in attendance, ideas and material which would show them some of the benefits of a co-ordinated system of mapping. Hopefully, on further examination of the hand-out material, they would discover additional benefits for themselves, and their staffs and their departments.

REPORT OF THE RATES COMMITTEE -

Mr. William Crooker, Jr. reported as follows:-

Following the Annual Meeting in 1968 a Rates Committee was formed to study current survey charges in the Province and propose a rates schedule. This was satisfactorily accomplished and a minimum scale of fees was presented at the Annual Meeting of 1969. In 1970, the "Scale of Minimum Fees" submitted at the foregoing Annual Meeting was revised subsequent to further studies carried out by the Rates Committee, and an amended schedule was submitted at the 1970 Annual Meeting.

Several Committee Meetings were held in the period from November 1970 to this date and no further changes to the rates schedule are proposed for the forthcoming year.

Having established a minimum fee schedule acceptable to the Association, the Committee suggested to Council that a manual or handbook on fees and charges including the minimum fee schedule previously accepted would be of considerable benefit to the public, the Association and its members in private practice. This suggestion was well accepted by Council and the Committee was instructed to prepare such a manual and submit a draft to Council for approval.

Following the presentation of the draft and subsequent rewriting of various sections, the manual was approved in its present form and is hereby presented at this 21st Annual Meeting.

Notes on Fees and Charges Manual:

The Standard Form of Agreement - prepared by the Association's Lawyer, Charles MacIntosh

Copies of Agreement - may be purchased from:

McCurdy Printing Company Limited
1663 Market Street
Halifax, Nova Scotia.

Printing costs	-	50 to 100 copies	25¢	each
		100 to 500 "	20¢	"
		500 or more "	12¢	"
		50 copies will cost you	\$12.50	
(Minimum copies	100	"	"	" \$20.00
at Minimum Rates)	500	"	"	" \$60.00

NOTE TO MEMBERS - I think that a large portion of the complaints received by the Complaints Committee originate out of misunderstandings between the surveyor and client as to the work to be carried out and the fees to be charged.

I hope that all surveyors doing private work will use this form of agreement for all jobs, however small or large.

Mr. R. E. Millard asked about the charge for court appearances.

Mr. K. W. Robb stated that the charge in his Company is \$200.00 per day. This matter will be considered further by the Committee.

Mr. Jean Marie Chastenay asked about the difference between principal, senior, intermediate and junior. He felt there should be liaison between all Associations across Canada in establishing the same rate for each classification.

Mr. Peel felt that the general public are not educated to the Association fee structure. He cannot collect that kind of money in his area.

Mr. Crooker asked Mr. Peel to write him regarding his feelings on what the rates should be.

Mr. B. V. Schofield stated that Massachusetts had had this same problem. Where there was a problem, the client was given a copy of the fee structure and upon seeing that the same fee was in effect in all areas, the problem was solved.

PRIVATE PRACTICE COMMITTEE REPORT -

Mr. William Crooker, Jr. gave his report as follows:

At the November 6, 1970 Council Meeting a Private Practice Committee was formed to report to Council problems of the surveyor in private practice and to make recommendations to Council on matters of particular concern to the surveyor in private practice.

Three (3) meetings were held this year and items discussed were:

- 1) Advertising
- 2) Collection problems
- 3) Discipline of members and the code of ethics
- 4) The scale of Minimum Fees.

As a result of Committee Member Walter Servant's work, eight firms in the Halifax, Dartmouth and County area joined together with an advertisement in the yellow pages of the telephone directory. The purpose of this collective advertisement was to provide an index of firms operating in the area and to eliminate the box and display advertisements so abundant in the Land Surveyor's section. The latter has been only partially successful as a few firms still retain box advertisements.

The matter of ethics in advertising was discussed, and it was the Committee's opinion that controls on advertising should be legislated. It was proposed that Council legislate limitations on advertising, using the Ontario legislation on advertising as a model.

The problem of bad credit clients was discussed in considerable detail and methods were proposed of guarding the Surveyor against taking on new clients with a reputation of not paying their survey bills or being very slow in paying survey accounts.

It was the opinion of Committee members that land development is a shaky business when not managed properly and many developers go bankrupt. A developer or contractor may go from one surveyor to the other getting work done and not paying for the services. The most effective protection against this would be gained through better communication between survey firms and it was decided that a credit checking system within the Association

would be the answer.

The Committee proposed to Council that a credit checking system be set up as follows - a surveyor having a collection problem with a client submits the name and address of his client to the Association Secretary. The Secretary records the client's name and address, along with the name and address of the surveyor making the submission. A surveyor requiring credit information about a prospective client checks with the Secretary and if that prospective client's name is recorded he then contacts the surveyor who made the submission and gets the details.

On the matter of discipline, the Committee proposed to Council that the Association keep a file on any member whose professional conduct is constantly being questioned by the public or his fellow surveyors. It was recommended that items should be submitted to the file only through Council's approval.

The Committee reviewed the scale of minimum fees and made no recommendations for changes or revisions. The new manual on fees and charges was reviewed in draft form before being presented to Council by the Rates Committee.

Members currently serving on the Private Practice Committee are:

W. S. Crooker, Jr.
A. E. Briggs
E. B. Hall
W. E. Servant
J. A. McElmon
J. F. Thompson.

It is the intention of the Private Practice Committee to hold a general meeting in 1972, with notices mailed out well in advance to all members in private practice. The date and meeting place will be considered at the next Committee Meeting.

COMMITTEE ON FUTURE OF ASSOCIATION -

Mr. Crooker gave this report as follows:

In March 1971, a Committee was established by Council to study the Association's future. It was the opinion of Council that current problems might be better handled in the light of predicted conditions and events. It is the object of this Committee to provide the Association with recommendations for improvements based on long-range planning and to prepare a master plan for continued growth and development.

The Association has problems that require immediate attention. For example, our part-time Secretary, Mr. Edward P. Rice, has filled the office of Secretary-Treasurer for several years, but now, with the increasing work load, he is finding this position extremely difficult to fill and attend to his full time job with Maritime Telegraph and Telephone Company. The Association's office is located in the Secretary's basement. The quantity of Association files and documents is rapidly increasing and each year additional space is required for storage and retrieval. With the increasing floor area requirements, the Association cannot expect to operate very much longer in this location; therefore, definite steps must be taken to provide for current secretarial and office accommodation requirements and the fulfilment of these requirements should be in accordance with a long range plan.

The Committee discussed current Association problems, and the following suggestions were made by members of the Committee:

- 1) Purchase an income property with office accommodations and finance the project by selling shares to members of the Association.
- 2) Rent office space and share secretarial services with another organization.
- 3) Share office space and secretarial services with another organization or firm.

The Committee decided that before further consideration can be given to these suggestions, information is required on the office rental situation, the availability and

cost of real estate and estimates of future Association membership, receipts, expenses and dues.

The Committee began its study by forming a fact finding group consisting of sub-committees with specific assignments. Following is a list of the sub-committees and their respective tasks:

- 1) Forbes Thompson - to investigate and report back to the Committee on the availability and costs of real estate suitable for an office.
- 2) John MacInnis - to report on the costs and availability of office rental space.
- 3) Bill Crooker - to correspond with other technical associations and acquire information for comparison purposes.
- 4) Edward Rice - to prepare projections on Association receipts, expenses, dues and membership.

This initial work by the sub-committees is now in progress and final reports on this phase of the study are expected by the end of this year.

INTERIM REPORTS FROM SUB-COMMITTEES -

Mr. Thompson recently reported that it may take considerable time to supply the information required regarding the availability and cost of real estate for the purpose that we require. The problem is evidently complicated by the necessity of having the correct zoning in a desirable location and in a reasonable price range. He is presently investigating the feasibility and cost of buying a building such as an older type house with an income potential. For example, a building with the down stairs used for the Association office and the up stairs rented out. Mr. Thompson is watching the newspapers daily and hopes to be able to acquire the assistance of a real estate company.

In the matter of office rental accommodations, Mr. J. MacInnis reported information received from Maritime Business Centre Limited, Scotia Square and Nationwide Business Services Limited, Scotia Square.

Maritime Business Centre Limited - Scotia Square -

Office	-	I - 10 x 10 - \$125.00/month (furnished)
		II - 12 x 15 - \$150.00/month (furnished)
		III - 12 x 15 - \$200.00/month (furnished) with window
		IV - 12 x 20 - \$250.00/month (furnished)
Board Room	-	\$10.00/day or \$5.00/one-half day
Services	-	Telephone - supply own plus \$9.63 for use of switchboard
		Mailing - cost plus 15%
		Copy Service - up to 25 - 25¢ per copy
		over 25 - 15¢ per copy
		400 or more - 10¢ per copy
		Secretarial Service - by dictaphone - \$3.50 per hour
		by shorthand - \$3.50 per hour.
Parking	-	Scotia Square Parking.

Nationwide Business Services Limited - Scotia Square -

Office - I - 3 Chairs and Desk - \$300.00 - \$350.00/month
 II - 3 Chairs and Desk (with window) - \$400.00+/month
 III - 4 Chairs and 2 Desks - \$475.00/month

Board Room - No charge

Services - 1) Answering Service in your business name
 2) Postage Meter and Mail Service
 3) Filing Facilities
 4) Use of Reception Area.

Parking - Scotia Square Parking.

For my sub-committee work to date, I have written letters to all the engineering associations in Canada with the exception of Ontario and Quebec requesting information regarding their methods of conducting association business. I received replies from all these associations and the information they offer has been very helpful.

In the matter of predicting future Association membership, receipts, expenses and dues, Edward Rice gathered information from records of the past six (6) years and had projections made by computer programme to the year 1980.

Receipts - Show an increase from \$8,741 in 1970 to \$30,995 in 1980.

Expenses - Show an increase from \$7,569 in 1970 to \$22,442 in 1980.

Dues - Show an increase from \$5,645 in 1970 to \$36,484 in 1980.

Membership - Shows an increase from 262 members in 1970 to 300 in 1980.

You will, no doubt, draw your own conclusions from these projections; however, my conclusion based on the information so far acquired is that if the inflationary trend of the past ten years continues, it will cost around \$75 to \$100 per member to operate on our present basis by the year 1980; it also appears to me that if we were now operating with a full time secretary and rented office space dues would be around \$75 per year and by 1980 the cost of operating in this same capacity would require dues of around \$150 to \$200.

RESOLUTIONS COMMITTEE -

Mr. J. F. Doig went over proposed amendments to the Nova Scotia Land Surveyors Act. This will be discussed in detail at the Saturday afternoon session.

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

FRIDAY, NOVEMBER 5, 1971 - 2:00 P.M.BOARD OF EXAMINERS REPORT -

Mr. J. F. Archibald read this report as follows:

The Board of Examiners held two regularly scheduled meetings during the year, one on March 25th and the other on November 3, 1971. Also two special meetings were held during the month of June when the Board met with Mr. J. F. Doig, Principal of the Nova Scotia Land Survey Institute and the instructors of the survey courses for the purpose of reviewing course content and the updating examination to meet the changing trends and methods of the Computer Age.

The second meeting was to discuss and assess the information gained from the full day session at Lawrencetown.

Supplemental examinations were held on December 16, 17 and 18, 1970, when five candidates wrote supplementals, and fifteen candidates wrote the Legal or Final Part II paper.

Regular examinations were held on May 17, 18 and 19, 1971, with sittings at both Halifax and Lawrencetown.

Twenty-two candidates wrote the Intermediate examinations of which eight successfully passed all five subjects, the others failing one or more subjects.

Nine of the sixteen candidates writing the full slate of six Final Part I subjects were successful while the others failed one or more subjects.

In addition, ten others wrote from one to five subjects in the Part I Finals as supplementals, or courses required for University graduates to qualify for a Nova Scotia Land Surveyor Certificate.

Photogrammetry and Sub-division Planning seemed to be the subject most difficult to the candidates, with Curves and Survey Methods a close second.

Two candidates wrote and passed the Legal or Part II Final examination.

During 1971 five candidates qualified themselves for Certificates entitling them to practice Land Surveying in Nova Scotia on becoming members of the Association of Nova Scotia Land Surveyors and were as follows:

Brian A. Anderson	- Louisdale, Richmond County, N. S.
Richard Edward Greene	- Antigonish, N. S.
Allen Marshall Hunter	- Windsor, N. S.
Victor Edward Swinamer	- Berwick, N. S.
Ralph Ernest White	- Dartmouth, N. S.

During the year twelve graduate Engineers as well as a number of pre-engineering students expressed an interest in becoming qualified for a Nova Scotia Land Surveyors Certificate, and of these, some three or four have sat for examinations with this end in view.

It is encouraging to see this interest increasing each year and we hope that they follow up this initiative and become qualified Nova Scotia Land Surveyors and members of our Nova Scotia Land Surveyors Association.

REPORT BY DELEGATE TO VOLUNTARY ECONOMIC PLANNING BOARD -

Mr. Lyndon Gray reported as follows:

The forestry section consists of delegates from various associations such as Nova Scotia Forest Products Association, Canadian Institute of Forestry, Nova Scotia Land Surveyors Association, etc.

Among items discussed and the one most pertinent to this Association was recording of deeds. It was proposed that all deeds be in the Registry office within one month of completion of project.

He recommended that this Association attempt to keep a representative on the Board.

REGIONAL COUNCIL MEETING REPORTS -

Western Nova Scotia - Mr. John Kaulbach

One meeting was held with 25% attendance. It was recommended that this district be split in two.

Eastern Nova Scotia - Mr. Jim Chisholm

One meeting was held on October 2. There were 12 present out of 35. The Atlantic Provinces Mapping Project was the main topic for discussion.

Cape Breton - Mr. John Pope

One meeting was held in Sydney with 80% attendance. It was a very good meeting and a lot of questions were answered.

Halifax City and County - Mr. Ivan P. Macdonald

A meeting was held at the Nova Scotia Light and Power Board Room. Discussion

centred around the work being done by private survey firms who were establishing co-ordinate monuments. The group seemed very interested in this matter.

- GENERAL PRESENTATIONS -

Mr. Angus Hamilton then gave a presentation on Survey Engineers at the University of New Brunswick and the problems these students have in finding summer employment.

In discussion with students, staff and friends of the Department of Surveying and Engineering, it appeared that the biggest single problem still facing the Department, is that of breaking the barriers of passive resistance to the acceptance of Survey Engineers. There is no organization or even any individuals who are specifically against Survey Engineers; it is just that many organizations are not aware of what the Survey Engineer can contribute.

With the hope of improving this situation we are exploring the possibility of establishing a Survey Student Cooperative Education Program. This program would incorporate some of the features of cooperative education as practised by the University of Waterloo and others but it would be modified to fit the circumstances of the Department of Surveying Engineering. The key to the success of cooperative education programs is the Coordinator. He is responsible for ensuring that cooperation between industry, the profession or the university and the student is attained. Ideally, he visits employers twice each year: once to discuss job descriptions for the upcoming work period and once to review the student's performance during the work period. As a byproduct of these visits the employer should gain a better understanding of the role of the university and conversely the problems facing the employer will be communicated to the university. Gradually, this should break down barriers and help to expand the field of surveying engineering.

As visualized under this program the academic terms would remain essentially unchanged; however, the Department would accept the principle that survey operations - especially facility with instruments - can be learned better on the job than in the laboratory. With the acceptance of this principle some of the costly laboratory time during the academic term would be reduced and some of the faculty time now being spent on laboratory exercises could be spent in communications with employers and potential employers. That is, each concentrates on what he does best: employers provide the practical training and academics teach theory and principles.

As there are no precedents for a program such as this there are many details yet to be worked out. For example, how does one strike a balance between the number of positions and the number of students, and still leave both the employer and the student adequate freedom of choice? It would be the height of folly to expect that a program such as this could be implemented without some difficulties but we, in the Department, believe the results would be worth the effort.

We must stress that at present - November 1, 1971 - this is still a proposal. It has been discussed at faculty level but has not yet been approved by faculty council or by senate.

After some discussion, Mr. Hamilton said he would look forward to seeing some of his students placed in Nova Scotia firms during the summer.

PROVINCIAL PRESIDENT'S ORGANIZATION -

Mr. L. R. Feetham reported as follows:

On Thursday, February 6, 1969, a luncheon meeting was held in the Champlain Room of the Chateau Laurier Hotel in Ottawa. This meeting consisted of the Presidents of the ten provincial Presidents of the Land Survey Associations and Corporations across Canada. It was called to explore the feasibility of organizing an annual meeting of Provincial Presidents in order that they could discuss matters of mutual concern and to create personal contacts with their fellow surveyors.

Since that time the meetings have been held twice yearly, one luncheon meeting during the C.I.S. meeting and a fall meeting consisting of a full day of business. Chairmanship for this meeting was set up on an East to West basis, with Newfoundland and Nova Scotia now having completed their turns.

The only involvement by the C.I.S. at these meetings was to provide a Secretary in the form of Bob McCurdy and arrange for a place for the meeting to be held. Otherwise they took a hand-off attitude and said fellows you are on your own, decide your own future.

With this short background, I will now attempt to outline the events which took place at the second meeting which Nova Scotia chaired in Toronto on October 23 of this year.

With the assistance of Fred Pearce, C.L.S. from Stratford, Ontario, a very impressive agenda was prepared and presented to the Provincial Presidents for their approval prior to the meeting. This Agenda seemed to set off a time bomb in the minds of the participants and we were flooded with response and other flock of new ideas for discussion.

Through the good office of Fred Pearce we were able to organize a study of eight "Self-Governing" Professional organizations in Ontario. This study and report was carried out by Oscar J. Marshall, P. Eng., O.L.S. and consisted of the Profession, the Secretary Licensing Body, their Provincial Service Organization, Local Associations and whether or not they had a National Organization. The Survey Profession was on a par with most of those we were compared with except that we were the only group who did not have a National Organization. Mr. Marshall compares the present day C.I.S. to the old Engineering Institute of Canada in "that it is a technical organization which works nationally to promote technical knowledge and competence of its members". It apparently could not function as a licensing body, because in 1965 the Canadian Council of Professional Engineers was formed. Each of the professional licensing bodies across Canada is a corporate member of the Canadian Council. Each is represented by a certain number of members on the National Council.

On a somewhat comparable basis, many of the Professional Surveyors in Canada are voluntary members of the Canadian Institute of Surveying. This organization has no strict professional requirements for membership and many of its members are not licensed to practice surveying in Canada.

From the above, I believe you can see that, like the E.I.C., the C.I.S. is not geared to function effectively as a co-ordinating body dealing with the interests of the professional members of the various licensing bodies in the field of surveying across Canada.

As a result of Oscar Marshall's report the provincial presidents felt it was time some investigation was started to see what we should do about organizing on a national level.

A second report was received from Steve Geneja, C.S.T., and C.I.S. Councillors at Large, who recently carried out a study on the feasibility of organizing technicians on a National level. This report is of the highest calibre but too lengthy to include here. It did promote a considerable amount of discussion and led to a resolution of support by the members present.

The purpose of this information is to bring you as up to date as possible on what is taking place nationally. Also to provide background and support for five resolutions which came out of our October 23rd meeting.

Before reading these resolutions I wish to make one point very clear and that is that in the event a National organization of Professional Surveyors is ever formed it will not and I repeat it will not include individual membership for every surveyor in Canada but will only include representation by one, two or three members of a Provincial Organization.

The resolutions are as follows:

Approved in Toronto at the October 23, 1971 meeting of Presidents of the Provincial Associations/Corporations of Land Surveyors in Canada.

Resolution 1 - Moved by Mr. J. C. Kirkup and seconded by Mr. J. T. Wood -
BE IT RESOLVED THAT the Provincial Presidents hold a meeting on Wednesday afternoon, February 2, 1972, immediately preceding the Annual C.I.S. Meeting.

Resolution 2 - Moved by Mr. H. Levesque and seconded by Mr. L. E. Boutilier -
BE IT RESOLVED THAT this committee study the possibility, for a member of a licensed Land Surveyors Association of Canada, who wishes to pass examinations for admission to practise in another province, may have the opportunity to receive the questions and write his answers in either of the two official languages of this country.

Resolution 3 - Moved by Mr. J. T. Wood and seconded by Mr. K. F. MacDonald -
 BE IT RESOLVED THAT this meeting goes on record as supporting the principle that Provincial Survey Associations/Corporations should assist in the certification and education of survey technicians and the formation of survey technical organizations.

Resolution 4 - Moved by Mr. M. Levesque and seconded by Mr. J. Boldon -
 BE IT RESOLVED THAT this meeting goes on record as supporting the need for university courses in survey laws which would be of national scope.

Resolution 5 - Moved by Mr. R. A. F. Tate and seconded by Mr. J. C. Kirkup -
 WHEREAS there is a recognized need for a closer cooperation between the individual Provincial Land Survey Organization.
 WHEREAS there is a recognized need for continual discussion and consultations on such matters as education, licensing, standards and ethics.
 BE IT RESOLVED THAT this meeting approves in principle the creation of a permanent coordinating body consisting of representatives of all Provincial Land Survey Associations, and the Provincial Presidents be requested to discuss this matter with their respective Associations, and

The Chairman of this meeting, R. Feetham, be charged with the responsibility of organizing the continuing investigation and study of ways and means of achieving the goals of this resolution, and

An interim report on the investigation and study be submitted at the President's Luncheon at Quebec, on February 3, 1972.

STUDY OF ORGANIZATION OF CERTIFIED SURVEY TECHNICIANS AND TECHNOLOGISTS -

Mr. Ivan P. Macdonald gave his report as follows:

During the month of August 1971, I sent out 238 questionnaires with background information. The background information was enclosed so that you could study it and answer the questionnaire with a feeling that you had some knowledge of the subject.

You might have wondered why I asked about our Association standards and how our Association would take its place in offering assistance to a society of certified survey technicians and technologists. It was very apparent to me in view of the standards set by established societies of T & T that we would have to review our Association Educational requirements.

To date I have received 44 returns or 18% of the mailing list. Not a very good showing is it? I am looking at the positive side and do thank all those who filled out the questionnaire so completely and promptly returned it. Your Councillors will be assisted by your response and by the interest the questionnaires generated. If you have not sent in your ideas do make them known to your Councillors, they make a lot of decisions while representing you.

The different categories that submitted were:

12 private practice
 26 surveying other than private practice
 5 not surveying or retired
 4 part-time practice (included in the 26 above).

For the most of you who have submitted your questionnaire the results will be quite agreeable.

There are at least 122 survey oriented personnel in the province. This does not include those presently attending the NSLS Institute.

To the following questions:

- Are you in favour of certification?

38 said yes

5 said no (with only two of these in surveying)

- How involved?

Majority say to be involved in the examinations and certification board with the society's membership carrying out their own affairs. Others suggested that our Association and the Society have a joint office and basic staff.

- Are our standards adequate?

39 said no

4 said yes (2 of these are not surveying)

Required suggested charges are as follows:

(a) standardization of monumentation

(b) more effective articleship system

(c) education requirements to keep pace with advancing technology.

(d) set up refresher courses

(e) better surveillance of membership.

As a result of this questionnaire and talks at the Association Presidents level you will be given other opportunities to express your ideas.

The changes in our Association will have to be made to meet the desires of the majority of those who sent in their returns. Some of these changes may be initiated at this meeting and others will have to be studied by your Councillors.

NEW BUSINESS -

Mr. John Pope proposed that the meeting be held in another location next year. He said Sydney would be glad to host the meeting in 1972.

It was moved by Col. George Streb that the next Annual Meeting be held in Sydney. Seconded by Mr. William Crooker. Motion carried.

SATURDAY, NOVEMBER 6, 1971 - 2:00 P.M.

OLD BUSINESS -

Mr. Eric Millard brought up the matter of an American practising land surveying in the Liverpool area.

Mr. Brent Schofield suggested very strongly that the President of this Association write a letter to the Board of Registration of Land Surveyors in Concord, New Hampshire, reporting that this man has been surveying in Nova Scotia against the law. A copy should also go to the New Hampshire Association of Land Surveyors.

INSTALLATION OF OFFICERS -

The Past Presidents' escorted Mr. J.F. Doig, the new President, to the platform. Following congratulations, Mr. Doig read his report.

The President then thanked the Exhibitors and introduced their representatives to the meeting.

Mr. Doig then introduced the new Executive, following which he announced that Council had appointed a Finance Committee to assist the Treasurer. Chairman of this Committee is Mr. David Hiltz.

NEW BUSINESS -

Mr. H. B. Robertson gave a short presentation on the integration of surveys under the DREE program for the Maritime Provinces. The main point he made was that the Maritime Premiers had met and proposed an agency to do surveying and mapping in all three Provinces.

AMENDMENTS AND ADDITIONS TO THE NOVA SCOTIA LAND SURVEYORS ACT,
CHAPTER 243 OF THE REVISED STATUTES OF NOVA SCOTIA, 1967 -

Mr. Charles MacIntosh, Q. C., Solicitor for the Association, was in attendance for this portion of the meeting.

1) It was moved by Mr. L. R. Feetham and seconded by Mr. John Pope that Section 4 (line one) be amended by deleting the words: - "with the approval of the Governor-in-Council".

Mr. Doig explained that the Association in amending this Section is seeking authority to amend its own By-laws.

Mr. MacIntosh felt that if the amendment is not approved, then a watered-down version should be accepted. He said that some Associations have full autonomy in this regard and others have very little.

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

It was then moved by Mr. L. R. Feetham and seconded by Mr. Tom Foster that Section 4 (line one) be amended by deleting the words "with the approval of the Governor-in-Council" and if the Law Amendments Committee does not approve this amendment as written, then "Minister of Lands and Forests" be substituted for "Governor-in-Council". Motion carried.

2) It was moved by Mr. Ivan P. Macdonald and seconded by Mr. Kaulbach that Section 7, Subsection 2, be amended by inserting the word three instead of two immediately after the words "President of the Association" and deleting the following words "and one other member appointed by Council of the Association of Professional Engineers of the Province of Nova Scotia who is a member in good standing of that Association and a Nova Scotia Land Surveyor".

Mr. MacIntosh explained this motion.

Mr. J. Chisholm felt it was the responsibility of this Association to sell the engineers on the scope of this profession. He said he doesn't support the motion the way it stands.

Mr. Servant pointed out that as the Act now stands the members being appointed may be a mechanical or an electrical engineer who knows nothing about land surveying.

Following more discussion, a vote was taken. Motion carried.

Mr. H. B. Robertson recommended that Mr. W.S. Crooker, Jr., Mr. J. Chisholm and Mr. L. R. Feetham be on a committee to deal with the Engineers.

3) It was moved by Mr. L. R. Feetham, and seconded by Mr. Millar that Section 8 (line one) be amended by deleting the words "with the approval of the Governor-in-Council".

In the amendment, the Association is asking that the Board of Examiners be allowed to make their own regulations.

A vote was taken and the motion carried.

4) It was moved by Mr. Ivan P. Macdonald, and seconded by Mr. P. Milo that section 16, Subsection (b) be deleted. Motion carried.

5) It was moved by Mr. Walter Servant and seconded by Mr. L.R. Feetham that the following re Partnership and Companies be an addition:

Section 23 - (1) Every member of the Association who practises his profession in partnership with another person shall file with the Secretary in the manner required by the regulations the names of his partners.

(2) Every body corporate which undertakes and carries out the practise of surveying in its own name pursuant to the provisions of Section 25 of this Act shall file with the Secretary on the first day of January of each year and at any other time when requested by the Secretary in writing a list of directors and the shareholders of the body corporate showing the number of issued voting shares of the body corporate held by and registered in the names of each shareholder and shall permit the Secretary to inspect from time to time the Share Register and the Register of Directors of the body corporate.

Section 24 - A body corporate shall not be registered as a member of the Association or licensed to practise land surveying.

Section 25 - A body corporate may undertake and carry out the practise of land surveying in its own name provided:

- (a) a majority of the issued voting shares of the body corporate are held by and registered in the name of practising members of the Association on the books of the body corporate and
- (b) a majority of the directors of the body corporate are practising members of the Association, and
- (c) the practise of land surveying carried out by the body corporate is done under the supervision of a full time permanent employee of the body corporate who is a practising member of the Association.

Section 26 - Notwithstanding the provisions of Section 79 of the Companies Act, any company incorporated for the purpose of carrying on the practise of land surveying shall have at least one director.

Section 27 - (1) Where a partnership, association of persons or corporation that has no subsisting certificate of authorization,

- (a) practises land surveying
- (b) uses any name, title, description or designation that will lead to the belief that it is entitled to practise land surveying; or
- (c) advertises, holds itself out or conducts itself in any way or in such manner as to lead to the belief that it is entitled to practise land surveying,

every member of the partnership, every member of the association of persons, or the corporation and every director thereof, is guilty of an offence.

(2) Where a partnership, association of persons or corporation that has a subsisting certificate of authorization practises land surveying in contravention of this Act, every member of the partnership, every member of the association of persons, or the corporation and every director thereof, is guilty of an offence.

(3) Every person, member of a partnership, member of an association of persons, and every corporation and director thereof, who is guilty of an offence under this section is, on summary conviction, liable to a fine of not more than \$1,000 or to imprisonment for a term of not more than six months, or to both.

(4) No proceedings shall be commenced for a contravention of any of the provisions of this section after two years from the date of the commission of such contravention.

AND FURTHER TAKE NOTICE THAT at the said meeting the Council will propose and recommend to the Association (subject to the approval of the Legislature of above Section 23 to 26 inclusive, that the By-laws of the Association be amended as follows:

ADD TO SECTION 26 -

- s) The name of a partnership or association of persons authorized to practise under Section 23 of the Act shall:-
 - (a) be the same as the name used by the same members of the Association as recorded on the rolls of the Association on the 31st day of December 1969, or, subject to subsection (3) hereof,
 - (b) be the name or names of one or more members of the Association engaged in the practise of professional land surveying with each other.
- t) Subject to subsection (4) hereof, the name of a corporation authorized to practise under Section 23 of the Act shall:-
 - (a) be the same as the name as recorded on the rolls of the Association on the 31st day of December 1969, used by the shareholders thereof who are members of the Association, with the word or words "Limited", "Company Limited" or "Corporation Limited" added thereto, or subject to subsection (3) hereof,
 - (b) be the name or names of one or more shareholders thereof who are members of the Association engaged in the practice of professional land surveying with each other, with the word or words "Limited", "Company Limited" or "Corporation Limited" added thereto.
- u) The name of any person who is, or used to be a member of the Association may also be used in the name of a partnership, association of persons or corporations, if the applicant for such name establishes to the reasonable satisfaction of Council that the name of such person was continuously associated with such partnership, association of persons or corporation, or a predecessor thereof, immediately prior to the application for such use not be objectionable to such person or his estate.
- v) If the Registrar of Joint Stock Companies or any other authority responsible therefor, will not permit the use of a permissible name for the corporation, due to the limitations imposed hereby, the applicant may submit a name to Council for approval, and Council may authorize the use of such name, or any variation thereof acceptable to Council.

Mr. MacIntosh asked if these additions would serve a useful purpose.

Mr. Servant pointed out that the purpose of these additions was to control the present position of corporations. At the present time, corporations owned by other than a land surveyor, can practice such.

Mr. Hall stated that if these additions were passed, he would be in difficulty since in his company he is one director, his wife another and his solicitor the third.

Mr. Doig then asked for a show of hands of those who would be affected by these additions. There were approximately seven.

Mr. Feetham stated that when this was presented to Council it was guaranteed that nothing would be done to prejudice the other members who wished to form a one-man surveying company.

Mr. Dunbrack suggested that an amendment be made to eliminate Section B.

Mr. MacIntosh suggested that the directors be approved by Council.

Mr. Servant did not agree, stating that control of the company would be in the Association - not in the company. As mover of the motion Mr. Servant moved that subsection 5 of 25 be deleted. Seconded by Mr. Feetham. Motion withdrawn.

Mr. Feetham moved that the Resolution be deferred back to Council. Seconded by Mr. Hall. Motion carried.

Mr. Milo moved a vote of thanks to Mr. Ted Webber for the great assistance given at the Convention in maintaining the registration desk. Seconded by Mr. Feetham. Motion carried.

Mr. Dunbrack moved that a special Council Meeting followed by a Special General Meeting be held to have the proposed changes in the Act approved in time to present to the spring legislature. Seconded by Mr. Feetham. Motion carried.

It was moved by Mr. E. P. Rice, Secretary-Treasurer, that Mr. A. M. Foster, Mr. G. A. Nicholson and Mr. E. B. Ritchie be made Life Members of this Association. Seconded by Mr. Dunbrack. Motion carried.

Mr. Feetham moved that the 21st Annual Meeting be adjourned. Seconded by Mr. Servant. Motion carried.

The President declared the meeting adjourned.

Respectfully submitted,

E. P. Rice,
Secretary-Treasurer.

THE ASSOCIATION OF NOVA SCOTIA LAND SURVEYORSFINANCIAL REPORTOCTOBER 1, 1970 TO SEPTEMBER 30, 1971

	<u>1971</u>	<u>1970</u>
Cash on hand October 1, 1970	\$ 3,846.31	\$ 2,674.12
Receipts	9,860.55	8,741.92
Expenditures	\$ 9,974.78	\$ 7,569.73
Cash on hand September 30, 1971	<u>3,732.08</u>	<u>3,846.31</u>
TOTAL	<u>\$13,706.86</u>	<u>\$11,416.04</u>

The Cash on hand September 30, 1971, consist of the following:-

1) Nova Scotia Savings and Loan Debentures (5 years @ 9%)	\$ 400.00
2) Bonus Savings Account	3,088.76
3) Current Account	<u>243.32</u>
TOTAL	<u>\$ 3,732.08</u>

DETAILS OF RECEIPTS

	<u>1971</u>	<u>1970</u>
Dues - Current	\$ 5,942.90	\$ 5,485.30
Arrears	245.00	160.00
Associate	30.00	20.00
20th Annual Meeting	1,878.25	1,582.50
Examination Fees	1,252.75	1,186.15
Nova Scotian Surveyor	335.50	241.25
Subscriptions	4.00	16.40
Professional Stamps	66.50	38.80
Premium on U. S. Currency	.30	.11
Interest on Debentures	18.00	9.00
Interest on Savings	83.35	5.41
Membership Certificates	<u>4.00</u>	<u>4.00</u>
	<u>\$ 9,860.55</u>	<u>\$ 8,741.92</u>

DETAILS OF EXPENDITURES

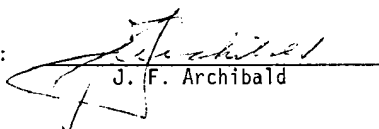
	<u>1971</u>	<u>1970</u>
20th Annual Meeting	\$ 2,691.77	\$ 2,398.40
Board of Examiners	1,532.22	1,193.56
Nova Scotian Surveyor	902.91	907.38
Professional Stamps	59.13	28.89
Postage	302.51	268.58
Stationary	344.74	259.96
Council Meetings	281.69	209.26
Stenographic Services	371.00	86.15
Delegates to Convention	829.50	980.56
Telephone and Telegrams	63.70	29.45
Solicitor Fees	865.00	-
N.S.F. Cheques	15.00	-
Bank Charges	6.35	13.50
Honorarium to Secretary-Treasurer	500.00	500.00
Flowers	51.54	-
Donations (C.I.S. Student Travel Fund)	100.00	350.00
Roll of Members	288.81	266.04
Miscellaneous	89.46	-
Typewriter	679.45	-
Major Church Prizes	-	48.00
Refunds	<u>-</u>	<u>30.00</u>
TOTAL	<u>\$ 9,974.78</u>	<u>\$ 7,569.83</u>

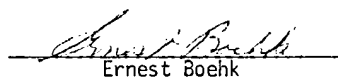
Respectfully submitted,

E. P. Rice,
Secretary-Treasurer.

Audited and found correct by:-

Auditors:


J. F. Archibald


Ernest Boehk

SLATE OF OFFICERS - 1972

PRESIDENT.....	<i>James F. Joig.....</i>	P. O. Box 44, Lawrencetown, Annapolis County, Nova Scotia.
VICE-PRESIDENT.....	<i>William S. Crooker, Jr.....</i>	6 Julie's Walk, Halifax, Nova Scotia.
SECRETARY-TREASURER.....	<i>Edward P. Rice.....</i>	39 Edward Laurie Drive, Rockingham, Nova Scotia.
ASSISTANT.....	<i>Garnet F. Clarke.....</i>	68 Woodlands Avenue, Dartmouth, Nova Scotia.
PAST PRESIDENT.....	<i>L. Robert Feetham.....</i>	108 Sunnybrae Avenue, Halifax, Nova Scotia.

COUNCILLORS

HALIFAX CITY.....	* <i>Forbes Thompson.....</i>	6407 Bayers Road, Halifax, Nova Scotia.
	** <i>Ernest Boelk.....</i>	2751 Fuller Terrace, Halifax, Nova Scotia.
HALIFAX COUNTY.....	* <i>John C. MacInnis.....</i>	292 Portland Street, Dartmouth, Nova Scotia.
	** <i>Murray Banks.....</i>	58 Swanton Drive, Dartmouth, Nova Scotia.
WESTERN NOVA SCOTIA.....	* <i>Everett B. Hall.....</i>	P. O. Box 885, Digby County, Nova Scotia.
	** <i>L. Eugene Elliott.....</i>	New Ross, Lunenburg County, Nova Scotia.
EASTERN NOVA SCOTIA.....	* <i>James D. Chisholm.....</i>	43 Rupert Street, Amherst, Nova Scotia.
	** <i>David C. Clark.....</i>	343 Prince Street, Truro, Nova Scotia.
CAPE BRETON AREA.....	* <i>Arthur E. Briggs.....</i>	P. O. Box 633, Port Hawkesbury, Nova Scotia.
	** <i>Victor J. Comeau.....</i>	P. O. Box 116, St. Peters, Richmond County, Nova Scotia.
COUNCILLORS AT LARGE.....	* <i>Errol B. Hebb.....</i>	15 Walnut Street, Bridgewater, Nova Scotia.
	** <i>Ivan P. Macdonald.....</i>	39 Doull Avenue, Halifax, Nova Scotia.

* Term ends November 1972

** Term ends November 1973

JAMES F. DOIG - PRESIDENT

ACCEPTANCE SPEECH

Gentlemen:

I am honoured with the responsibility of office which you entrust to me; I shall endeavour to give you good service.

While much has been accomplished over the years, there is still a great deal to be done. Some things which need attention concern the manner in which we organize our business affairs - as witness one of the resolutions coming before us this afternoon on the matter of survey practice by limited companies.

A continuing matter of importance and concern is the standard of our field practices. An increasingly sophisticated public, aware of the way things are done in other places, more and more will question habits that seem dated in comparison with practices elsewhere.

Of equal, or perhaps greater concern, is the matter of the standard of qualification of our individual members. It seems to me that, regardless of the eventual revenue settlements in the offshore oil developments, the ultimate standards for surveying and mapping offshore will be set by the Federal Government. What percentage of our members might qualify on the Dominion Land Surveyors' examinations? The DLS examination requires some knowledge of offshore positioning procedures. Our examination schedules do not.

How do we stand when measured against the average surveyor in other provinces in the matter of our technical or specialist training? Perhaps I am the best person, in view of my connection with the Nova Scotia Land Survey Institute to raise the next question: "What does the future hold for us so long as the majority of our registered land surveyors in Nova Scotia are graduates of a two-year technical course with no further formal technical training beyond that?"

The coming year will be a busy and an interesting one, and I trust we may continue to progress in such a way as to better ourselves and thus better serve the public. This latter is, or ought to be, our principal endeavour as long as we wish to be recognized as a useful professional body.

**** GUESTS ****

Mr. Gilbert Simard
President, Canadian Institute of Surveying

Mr. Jean Marie Chastenay
Secretary-Treasurer, Association of Quebec Land Surveyors

Mr. K. F. MacDonald
President, Association of New Brunswick Land Surveyors

Mr. W. C. Phillips
President, Association of Prince Edward Island Land Surveyors

Mr. B. F. Alexander
President, Association of Newfoundland Land Surveyors

Mr. B. V. Schofield
Representing I.A.L.S.C.E.

Mr. D. A. Schofield
Schofield Brothers Associates Inc., Orleans, Cape Cod

Mr. W. F. Roberts
Representing Department of Natural Resources, New Brunswick

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

Mr. C. Y. Mersereau
Representing the Assistant Director of Surveys
Lands Branch - New Brunswick

Mr. E. A. Green
Supervisor, Institute of Applied Arts and Technology, Province of Nova Scotia

**** GUEST SPEAKERS ****

Mr. Ross Douglas
Bedford Institute of Oceanography

Mr. H. E. Quellhorst
Supervisor, Amoco Canada's Offshore Drilling Operations

Mr. Lou Gale
Department of Energy, Mines and Resources

Mr. R. Mike Eaton
Bedford Institute of Oceanography

Mr. Dave Wells
University of New Brunswick

21ST ANNUAL MEETINGREGISTERED MEMBERS

Joe Archibald	Roy Dunbrack	Roddie MacDonald	Bert Robertson
Russell Atkinson	L. E. Elliott	Gerald MacDougall	Jack Ryan
Murray Banks	L. R. Feetham	John MacInnis	Bob Sarty
George Bates	Thomas Foster	Fred McKeown	R. M. Schofield
Ernest Boehk	Glen Gilbert	Stewart MacPhee	Walter Servant
Harold Burton	Art Gilmore	Rusty March	James Sherren
Burt Cain	Allison Grant	Herbert Martell	Burney Smith
Stuart Cameron	Athol Grant	Douglas Mehlman	Lewis Smith
Kent Carrick	Lyndon Gray	Roger Meister	Stirling Snow
M. S. Chiasson	Everett Hall	R. C. Melanson	George Streb
Art Chisholm	Edward Hanifen	Roger Melanson	George Swanburg
J. D. Chisholm	Mervin Hartlen	Bruce Millar	Victor Swinamer
Ronald Chisholm	Errol Hebb	R. E. Millard	Forbes Thompson
David Clark	David Hiltz	Philip Milo	William Thompson
Garnet Clarke	Allen Hunter	Fred Newbery	Ray Wadge
Victor Comeau	Fred Hutchinson	Robert O'Brien	D. E. Wagstaff
Murray Cossitt	Neiff Joseph	I. J. Osmond	E. J. Webber
David Crooker	John Kaulback	Brian Peel	H. K. Wedlock
W. S. Crooker	Emerson Keen	John Pope	Arthur White
Al Daykin	Graeme King	Donald Purcell	Ralph White
Ronald Dearman	Stewart Laurence	Max Rafuse	Thomas Williston
J. F. Doig	Granville Leopold	E. P. Rice	Brian Wolfe
Terry Doogue	Frank Longstaff	K. W. Robb	J. L. Veilleux
John Dunbar	Ivan P. Macdonald	Fred Roberts	

REGISTERED STUDENTS AND NON-MEMBERS

K. P. AuCoin	Robert Daniels	Gary Grant	Newton Matheson
Clark Beattie	Royce Deal	James Grant	Lloyd Taylor
Randy Brittain	Joe Fraelic	Bernard Gunning	David Thorne
Sandy Cameron	C. Geddes	Lee Johnston	Robert Wentzell
Colin Clarke	Gary Glenn	D. D. LeLievre	

- LIST OF EXHIBITORS -

ADDRESSOGRAPH-MULTIGRAPH OF CANADA LIMITED	- Mr. <i>Stuart S. Carver</i>
AGATRONICS	- Mr. <i>Ian Murray</i>
COMPUTER SCIENCES CANADA	- Mr. <i>David A. Durward</i> Mr. <i>Kenneth C. Lemoine</i>
DEPARTMENT OF LANDS AND FORESTS	- Mr. <i>Garnet Clarke</i>
EASTWARD INDUSTRIES LIMITED AND K. & E.	- Mr. <i>John Wentzel (Ottawa)</i> Mr. <i>Murdock Hattie (Halifax)</i>
ENAMEL & HEATING PRODUCTS LIMITED	- Mr. <i>Bill Hastings</i>
HEWLETT PACKARD CANADA LIMITED	- Mr. <i>Russ Fairburn</i> Mr. <i>Ernest McIntyre</i> Mr. <i>Mike Reilly</i>
HUGHES OWNES COMPANY LIMITED	- Mr. <i>Gordon Mitchell</i> Mr. <i>Trevor Reynolds</i> Mr. <i>Greg Tracey</i> Mr. <i>Roy Kemp</i>
NORMAN WADE COMPANY LIMITED	- Mr. <i>King Flood</i> Mr. <i>Tom Marshall</i> Mr. <i>Maynard Myres</i> Mr. <i>Hank Noonan</i> Ms. <i>Betty McKeen</i>
OLIVETTI CANADA LIMITED	- Mr. <i>Kerry J. Adams</i> Mr. <i>John G. Tester</i> Mr. <i>Ray Cox</i>
SONY OF CANADA LIMITED	- Mr. <i>Eber Serieys (Halifax)</i> Mr. <i>Gustel Fisher (Montreal)</i> Mr. <i>Lachlan Hargrove (Moncton)</i>
SPEEDY PRINT LIMITED	- Mr. <i>Fred Hansen</i>
TELLUROMETER CANADA LIMITED	- Mr. <i>Mike Mogg</i>
WANG LABORATORIES (CANADA) LIMITED	- Mr. <i>Richard R. Adam (Dick)</i> Mr. <i>Terry L. Mathers</i>
WILD OF CANADA	- Mr. <i>Doug Peden</i>

Mr. J. F. Doig, President,
The Association of Nova Scotia Land Surveyors,
P. O. Box 44,
Lawrencetown,
Annapolis County, Nova Scotia.

Dear Sir:

Following the conversation with the Workmen's Compensation Board and the Secretary of the Association of Professional Engineers of Nova Scotia, I have been advised of the following:

The Workmen's Compensation Board of Nova Scotia now have a separate classification for professional surveying office staff, separate and apart from field survey operations.

The rate of assessment applicable to office personnel is 50¢ per \$100.00 of payroll, whereas personnel engaged in field operations are assessed at \$2.00 per \$100.00 of payroll. I recommend, therefore, that this Association advise survey firms affected to prepare and submit an Estimate of Payroll Form revised to show the separate classifications and to submit it to the Workmen's Compensation Board in order to obtain a reduction or credit for their 1971 operation.

I would advise surveyors to contact the Assessment Officer for clarification and advise regarding their individual operation as affected by the above.

Yours very truly,

Walter E. Servant, Chairman,
Workmen's Compensation
Board Committee.

ANSWER TO PUZZLE WHICH APPEARED IN THE LAST ISSUE OF THE NOVA SCOTIAN SURVEYOR -

Water is the drink of the Norwegian while the Japanese owns the Zebra.

AT THE REGISTRATION DESK
with Ted Webber and Gary Grant

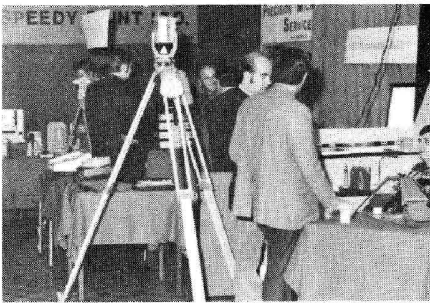


Murray Cossitt
Herbert Martell
Newspaper Reporter
Walter Servant

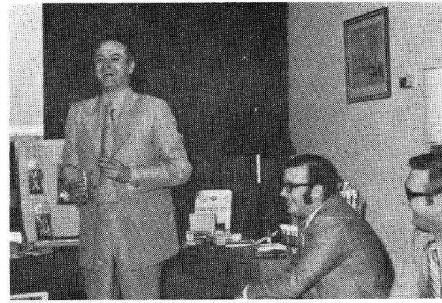


Jim Chisholm
Dot Chisholm
Burney Smith
Ivan Macdonald

EXHIBIT AREA



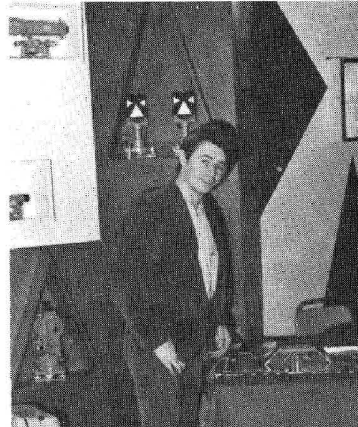
Some of the Exhibitors



The hospitality of an Exhibitor



Viewing EDM System
Ralph White
Ivan Macdonald
Mervin Hartlin



Jim Grant surveyor-in-training
inspecting an exhibit

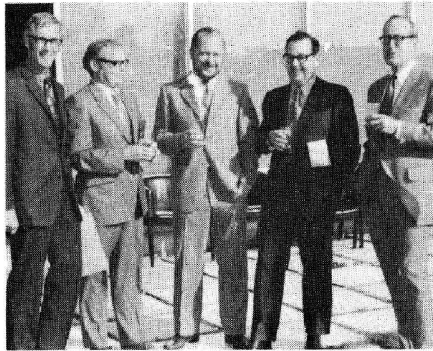
Association of Nova Scotia Land Surveyors
 Canadian Institute of Surveying
 "Conjunction Luncheon"



The George Bates line-up
 Gilbert Simard Rhoda Feetham
 Clark Beattie Murray Banks
 Judy Beattie



Everyone is in attendance



Beautiful November Afternoon
 Ivan Macdonald John Wentzel
 Bert Robertson Willis Roberts
 Doug Peden

Luncheon Head Table



Al Daykin, Provincial Councillor
 Joyce Banks
 Bob Feetham
 Judy Beattie



Murray Banks, N.S. Chairman
 Gilbert Simard, National President
 Rhoda Feetham
 Clark Beattie

ICE BREAKER PARTY



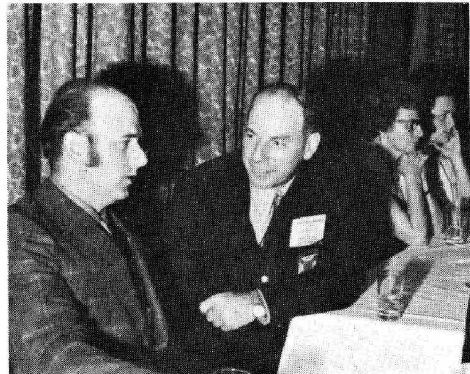
At the BAR



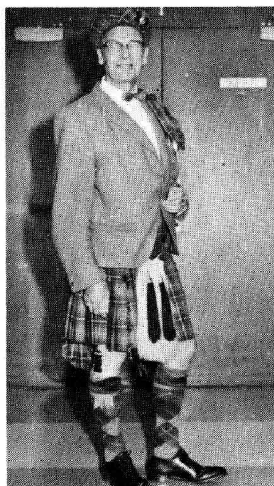
"For they are Jolly
Good Fellows"



Rusty March and Girlfriends



Can't be that serious Forbes



GEORGE BATES

- LETTERS AND NOTICES TO EDITOR -

I read with great interest your latest issue of "The Nova Scotian Surveyor" (July 1970) containing the excerpts from Law Reports submitted by Col. Doig.

Any article such as this with subject matter directly pertaining to our province I find most useful.

I commend you highly on the publication of this issue, and hope to see more of a similar nature in the future.

I am enclosing a few excerpts from Thomas Miller's Historical and Genealogical Record of the First Settlers of Colchester County, published in 1873, by A. & W. MacKinlay, of Halifax, which you might find of interest.

Page 49 "John Savage was one of the grantees of Truro Township and was a land surveyor. At one time he agreed with the proprietors of the Township to subdivide their back lands into one hundred acre lots; for this work he was to have twelve thousand acres off the south-west corner of the Township, extending down the Shubenacadie River four miles, and as far east as it would require to make up the complement. This work was never done by him, as he died shortly after."

Page 237 "It was one unbroken forest between North River and River John until the year 1817, when Alexander Miller made the first survey in what is now called Earletown. He continued to survey a large part of the Crown Land of Colchester and Pictou, which was not included in the Townships of Truro, Onslow and Londonderry."

Page 253 "James Fulton was born in Belfast, Ireland, in the year 1740, and came to New England in the year 1760. He continued there ten years, being engaged the most of the time at surveying land. He removed to Nova Scotia in the year 1770, and was married to Margaret Campbell, of the Folly, in 1771. They settled at Bass River, where they reared seven sons and eight daughters. He surveyed and subdivided the whole of the Township of Londonderry under the writ of Partition, and made a plan of the same."

Page 393 "Thomas Harris surveyed and divided the back land of the Township of Truro, under the writ of partition, and made a plan of the same, which is still in use and is dated August 12th, 1788."

David C. Clark, N.S.L.S.

NOTICE REGARDING SUBDIVISION AND BUILDING REGULATIONS
MUNICIPALITY OF EAST HAINTS

SUBDIVISION REGULATIONS

No property owner can sell a portion of his or her property without first having a plan prepared by a Nova Scotia Land Surveyor, then submitting the Plan to the East Haints Planning Advisory Committee (P.O. Box 190, Shubenacadie) for their consideration. Before the Plan can be approved by the Committee, the property being transferred must first be inspected by a Public Health Inspector who will determine its suitability for sewerage disposal system. In some instances it is found that the property is not suitable and the plan cannot be approved, and the property owner has gone to the expenses of having the survey done. To save yourself a possible unnecessary survey expense I suggest that, if you propose to sell a portion of your property, that you contact Mr. R. B. Bacon, Department of Health, Windsor, phone 798-2264, and arrange for an inspection of your property prior to hiring a surveyor.

HUGHES - OWENS EXPANSION MOVE

**New Location
5443 Cogswell Street**



Across From Scotia Square

SUPPLIERS OF

**Drafting Supplies
Surveying Instruments
Microfilm Equipment & Supplies
Leupold & Stevens Recorders and
Flow Meters
Plan Hold Filing Equipment
GAF Electrostatic Machines
& Supplies
Ozalid Whiteprint Machines
Audio Visual Materials**

WHOLESALEERS OF

**Winsor Newton Artist Materials
Peterborough Cardboard
Geotec Scholastic Drafting Supplies
Geotec Surveying Instruments
Pilot Pen and Writing Supplies
Paratone Pressure Lettering
N.T. Cutters
Krylon Spray Paint
X-Acto Knives and Supplies**

COMMERCIAL SERVICES OFFERED

**White Printing
Film Printing
Sepia Printing**

**Electrostatic Photocopy
Microfilm BlowBack
Cronaflex Projection
Enlarging and Reducing**

**Line Drawings
Aerial Photo Blow Ups
Negative Work**

The Hughes-Owens Company (Limited) offers the widest range of Drafting, Surveying, Artist, Photographic, Electrostatic Supplies, Recording Instruments and Total Flowmeters on the Canadian market today.

We are pleased to announce the installation of a Survey Instrument Repair Department and the famous "BARCRO" projection camera with vacuum frame 42 x 60 for Engineering drawings. The first company in Eastern Canada to offer both services locally.

HUGHES-OWENS

SINCE 1900 AND STILL GROWING WITH CANADA

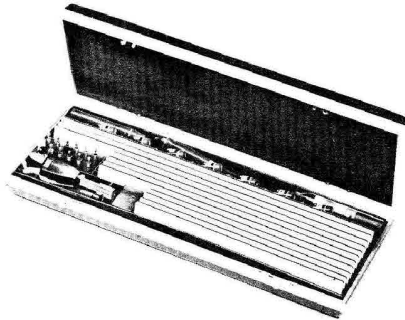


eastward  *industries LTD.*

LOWER PLAZA BAYERS ROAD SHOPPING CENTRE HALIFAX, N. S.

**Let the
LEROY® Lettering Set
guide you to
perfect hand lettering**

Engineering Drawings Audiovisual
Publications Cartography
Art Layouts Signs Certificates

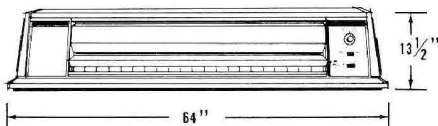


BRUNING

PD-80

**NEW COPYING PROCESS
FROM BRUNING**

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

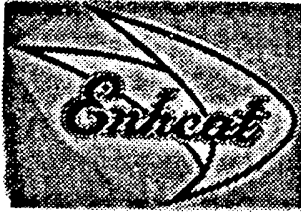


**ATLANTIC AIR SURVEY
(1963) LIMITED**

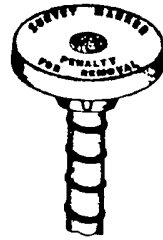
Now with two offices to
serve you better:

**AERIAL PHOTOGRAPHY
TOPOGRAPHIC MAPPING
PHOTO MOSAICS
INTERPRETATION STUDIES**

P.O. Box 187, Dartmouth, N.S.
469-7901
1115 Regent St. Fredericton, N.B.
454-2702



SURVEY MARKER



The new survey marker consisting of a corrosion resistant aluminum head threaded to a shapened 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 1 Examinations for registration as a Nova Scotia Land Surveyor

FULL PARTICULARS FROM

**The Principal
Nova Scotia Land Survey Institute**

Lawrencetown, Nova Scotia.

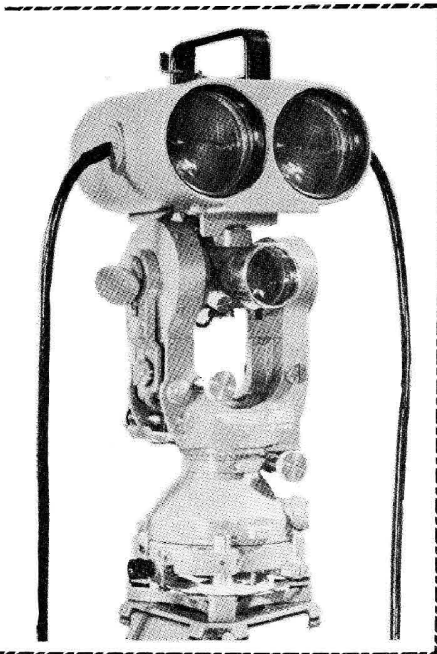


INFORMATION

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

NEW: **WILD** HEERBRUGG

Distance measuring Attachment Wild DI10T Distomat



629.98

Digital Read-out, distance 629.98 m

converts your Wild T2 into a Precision Tacheometer

■ Particular features

- Measuring range 1000 m
- Measures with modulated infra-red beam
- Digital read-out
- Follow-up-read-out when laying out distances
- DI10 attachment tilts together with T2 telescope for lay-outs
- Measuring time incl. pointing max. 60 s
- Easy to use
- Internal battery sufficient for about 200 measurements
- No heating-up time

■ Applications

- Breaking down control by traverses with side lengths up to 1000 metres
- Polar co-ordinates (bearings and distances) in cadastral surveys
- Trigonometrical levelling
- Scale determination in local triangulation
- Determination of air photo control
- Distance measurements in engineering projects such as bridge spans, industrial and tourist cable railways, etc. etc.
- Laying out roadways, pipelines and high tension lines
- Underground measurements in tunnels and galleries

trade mart · scotia square · halifax · nova scotia

423-8992

423-6603

norman wade company ltd