

The NOVA SCOTIAN SURVEYOR



JANUARY 1970

The NOVA SCOTIAN SURVEYOR

Published four times a year by

THE ASSOCIATION OF NOVA SCOTIA LAND SURVEYORS INCORPORATED

Col. G. E. Streb
President

R. E. Millard
Editor

Edward P. Rice
Secretary-Treasurer

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

Founded 1951

Incorporated 1955

Vol. 22

January 1970

No. 62



Dr. G. W. I. Creighton and Mr. Roy M. Schofield being presented with Honorary Life membership certificates by President George Streb.

THE ASSOCIATION OF NOVA SCOTIA
LAND SURVEYORS

NINETEENTH ANNUAL MEETING

NOVEMBER 7 & 8, 1969

MINUTES

The meeting was called to order at 10:15 a.m. with the ringing of the Baffin's bell by President Dunbrack.

Alderman Cyril Abbott, representing Mayor Allan O'Brien of the City of Halifax, extended words of welcome to the members. He especially welcomed members and guests from outside the Province and hoped they would be able to see the City while they were here and would come back soon again. He wished the Association a successful meeting.

Introduction of Visiting Delegates

The following were introduced by President Dunbrack:

Carl Granter - President of Association of Newfoundland Land Surveyors.

Frank Shortall - Past President of Association of Newfoundland Surveyors.

Bob Sutherby - Secretary-Treasurer of Association of Newfoundland Land Surveyors.

Carl MacDonald - President Association of Prince Edward Island Land Surveyors.

John Trainor - President Association of New Brunswick Land Surveyors.

Michel Corriveau - President Les Arpenteurs-Geometres De La Province De Quebec.

Neil Simpson - President Ontario Land Surveyors Association.

Win Schofield - President of Massachusetts Association of Land

Sybren H. deJong - President Canadian Institute of Surveying and Professor of Civil Engineering at the University of British Columbia.

Duncan Gilmore - President Alberta Land Surveyors Association.

Angus Hamilton - Immediate Past President of Canadian Institute of Surveying and Coordinator of Research and Training in the Surveys and Mapping Branch of the Federal Department of Energy, Mines and Resources.

Willis Roberts - Past President Canadian Institute of Surveying and Technical Director of the Atlantic Provinces Surveying and Mapping Program.

Arthur Tuttle - Past President of Canadian Institute of Surveying and Chief Topographical Engineer of the Surveys and Mapping Branch of the Department of Energy, Mines and Resources.

Jim O'Neill - Administrative Officer, Surveys and Mapping Branch of Department of Energy, Mines and Resources.

Prof. Jack Freislich - On Sabbatical at the University of New Brunswick from the University of New South Wales, Australia.

Neil Flemming - Chief Surveyor of the Economic Improvement Corporation from the Province of Prince Edward Island.

Archie MacLaughlin - Acting Director of Surveys for the New Brunswick Department of Natural Resources.

Gottfried Konecny - Head of the Department of Surveying Engineering at the University of New Brunswick.

All expressed pleasure at being able to attend and wished us a successful meeting.

The students from the Land Survey Institute were introduced by Mr. Dunbrack, who noted that this year the students would show a particular interest in the outcome of the proposed by-law changes.

Provincial approval is given at this meeting and the approval of the Governor-in-Council is obtained, the students attending next year's meeting will be doing so as Junior Members of this Association.

Mr. Dunbrack stated that during the past year we lost one of our older and most respected members, also one of our youngest. He asked all to rise and join him in a moment of silence in respect to the memory of Reginald E. Dickie, who passed away in July at the age of 74 and of F. Wayne Miller, who passed away last December at the age of 25.

President's Address

President Dunbrack presented his annual report to the meeting.

Minutes of Eighteenth Annual Meeting

Mr. E. Rice, Secretary-Treasurer, moved that the minutes be approved as printed and distributed in the Nova Scotian Surveyor. Seconded by Mr. Rosinski. Motion carried.

Financial Report

Mr. E. Rice, Secretary-Treasurer, moved the adoption of the Financial Report as printed and distributed to the members attending this session. Seconded by Mr. Longstaff. Motion carried.

Secretary-Treasurer's Report

Mr. Rice then presented his report to the meeting.

Board of Examiners Report

Professor A. Chisholm presented this report as follows:

"Unless weather conditions prohibit flying, I shall be unable to attend most of the sessions of the meeting, which I regret.

Mr. J. F. Archibald will be reading this, along with the official report of the Board of Examiners.

I would like to comment about the responsibilities of the Board, which as you know from your knowledge of our Act are considerable.

1. The Board is not at all similar to a committee, composed solely of Association Members, the Board instead is an independent group composed of six members. Only half of them appointed by Council, two by the Minister of Lands and Forests or his Deputy, one by the Association of Professional Engineers.

2. Because of the independence created by the method of appointment, the Board can make decisions which are binding, and cannot be overruled by the Council.

3. In order to preserve the independence and to better attract and hold conscientious people there is a provision in the Act for payment to the Board Members. I must add that we must have been most fortunate in the selection of Board Members as they have never insisted or even suggested remuneration.

4. The Board is empowered to request changes in the regulations under which it acts. Various changes have been suggested, with the approval of the Legislation Committee of the Association, and these changes will be placed before the proper authorities and it is felt these changes will improve the standards of candidates for our Association.

5. I must again give full credit to the other five members of the Board, to Joe Archibald who acts as secretary and who keeps records in perfect condition; to Ron Chisholm, whose quiet counsel has always helped us; to Bert Robertson, one of the government appointees whose experience has always been of value; to Bob Fitzner, the APENS man who although not actively involved in surveying, has taken an interest and has been of help to the Board; to Roy Dunbrack, our President, the junior member of the Board whose curiosity about procedures has been helpful. The Council saw fit to reappoint me. I have served on the Board since its inception, and am its second Chairman, and have been pleased through the years to assist the Association in whatever small way that has been possible."

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

"The Board held two regularly scheduled meetings during the current year, the first on April 1 and the second on October 24th.

Examinations were held on December 9, 10 and 11th, 1968 and on May 12, 13 and 14th, 1969.

In the December examinations, six candidates wrote supplementals and eight wrote the Part II Final or Legal Examinations, one candidate failing a supplemental.

In the May examinations, twenty-four candidates wrote the intermediate examinations, there being five failing in one subject, one failing in two subjects and one failing in three subjects. All failed in mathematics.

Fourteen candidates wrote the full slate of finals Part I examinations and two candidates wrote supplemental examinations in mathematics, both being successful. Four candidates writing the full slate failed in one subject, one failed in two mathematic subjects, and one failed all but one subject. With the exception of the latter, all the other failing candidates are eligible to write supplementals.

Five candidates wrote the Part II or Legal Examination, all being successful.

During the year ten candidates qualified themselves for Certificates of Qualification as Nova Scotia Land Surveyors and were issued letters of authority to practice Land Surveying in Nova Scotia. All will be furnished with Certificates when the new certificates become available.

Those qualifying for the Certificates are as follows:

William Russell Atkinson, Bedford, Nova Scotia
Garnet E. Dowman, R.R.#2, Windsor, Nova Scotia
Harold E. Burton, R.R.#2, Shubenacadie, Nova Scotia
Brian J. Cameron, Bridgeville, Nova Scotia
Robert Kent Carrick, Halifax, Nova Scotia
Marcellin S. Chaisson, Belle Cote, Nova Scotia
Arthur C. Harris, Dartmouth, Nova Scotia
Douglas Burnell Mehlman, Port Mouton, Nova Scotia
William A. Thompson, Westville, Nova Scotia
Ronald G. Wallis, Ottawa, Ontario

In the May examinations held this year, Spherical Trigonometry was dropped as separate subject in the Intermediates but included as part of the Astronomy Paper. A new subject was added to the Final Part I examinations, including questions in sub-divisions, Photogrammetry and Forestry.

Also during the year a special committee was asked by the President to review the Regulations of the Board of Examiners and make such revision or amendments as deemed necessary. This Committee consisting of Prof. A. F. Chisholm, Chairman of the Board of Examiners, Roy A. Dunbrack, President of the Association and Col. George Streb Vice President of the Association held several meetings and submitted their recommendations to the Legislative Committee.

Most of the revisions recommended were in the section under Examinations. The preliminary examinations are being eliminated as it had never been necessary to hold such ex-

aminations since they came under jurisdiction of the Association.

Subjects in the Final Examinations were broadened to include Photogrammetry, sub-division planning, Forestry and Map Projection.

These proposed revisions are subject to approval of the Board of Examiners following which they will be turned over to the Legislative Committee to seek approval of the Governor in Council."

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. 220 ballots were mailed out and 98 returned, being 44% of the total. 3 spoiled ballots.

The results of the election for the 1970 Executive of this Association is as follows:

President	Col. G. E. Streb
Vice-President	L. Robert Feetham
Secretary-Treasurer	E. P. Rice
Councillors:	
Halifax City Area	Ivan P. MacDonald
Halifax County Area	A. C. Gilmore
Western Nova Scotia	James F. Doig
Eastern Nova Scotia	G. Ed Hingley
Cape Breton Area	John S. Pope
Councillors at Large	Walter E. Servant

Mr. Dunbrack pointed out that due to the vacancy left by Mr. L. R. Feetham's election as Vice-President, in the office of Councillor at Large, Mr. Donald Eldridge was appointed to sit on the Council as a member at large.

Nova Scotian Surveyor

Mr. R. E. Millard, Managing Editor, gave his report as follows:

"This report on the Nova Scotian Surveyor covers the frus-

trations involved in getting out each quarterly edition, you received the Annual Report in March, that should have been received in January; you received the March edition in June, you have not as yet received the June issue, neither have Ed Rice or myself. You have the September issue. This is an all time record when September comes before June. The September issue is available only because the Editorial Committee here in Halifax laboured mightedly and gave birth to it.

The situation regarding the printing of the Nova Scotian Surveyor has been deteriorating gradually for a few years and in 1969 hit an all time low. Due to circumstances beyond my control and jurisdiction, it has become about impossible to project a printing and delivery schedule of the publications.

Much to the consternation of some of our advertisers, our Secretary and myself who have to plan a mailing schedule, I feel that we have lost potential large subscribers, and quite probably, most, if not all, of our regular ones.

Advertising is the life blood of the publication, and without it the Nova Scotian Surveyor may become, if it has not already done so, an expensive hobby, which we may not be able to afford.

The large advertisers operate on a scheduled series of illustrated advertisements in various sources of news media, and if one section fails, it throws the works out of kilter.

At this time, I feel that we will have to set down and evaluate the situation so as to come up with a solution if we are to continue publishing the Nova Scotian Surveyor.

This completes this report for the year 1969."

Nova Scotia Land Surveyor Institute

Mr. J. Doig gave his report as follows:

"It is always a little bit difficult to make up a report for this occasion, for one must be selective, else things would take up too much time. If, in being selective, I pass over anything of particular interest, please ask about it; I'll be pleased to discuss any points desired.

ENROLMENT

At the end of the academic year in May 1969, 57 students completed courses:

Cartographic Drafting	12
Photogrammetry 1st year	9
Photogrammetry 2nd year	7
Surveying 1st year	13
Surveying 2nd year	16

This Fall we have:

Cartographic Drafting	10
Photogrammetry 1st year	5
Photogrammetry 2nd year	9
Surveying 1st year	15
Surveying 2nd year	<u>15</u>
	54

ORIGIN OF STUDENTS

Some years ago it was not unusual to have students from several provinces. Of recent years, our classes are mainly from Nova Scotia -- say 80% of the total. On the average we drew about 10% of our enrolment from New Brunswick.

For all practical purposes, then, our students come from the Maritime Provinces. This simply reflects the fact that survey courses are offered now in Newfoundland, Ontario, Manitoba, Alberta and British Columbia.

TOTAL PRODUCTION

In one form or another the Institute has been operating for some twenty-two years. For the first fifteen years of its existence the Institute offered only one course -land surveying. In 1961 courses in Photogrammetry and Cartographic Drafting were added.

Over the years, then in round numbers, we have graduated:

250 survey technicians, many of whom have gone on to become registered land surveyors.
60 cartographic draftsmen
50 photogrammetric technicians
360 in all.

EMPLOYMENT AFTER GRADUATION

Employment opportunities are reasonably plentiful on graduation. It has been the rule in the last five to seven years that anyone who really wants a job can find one. In fact, some graduates have received excellent jobs without having to look very far.

We, on the staff of the Institute, believe that the ultimate test of our courses is the reception the employer accords the graduate. The Institute has been operating long enough now that former graduates are returning to seek new employes and they (among others) seem reasonably happy with the product.

GENERAL

We have a fine group of students this year who seem to get along exceptionally well together and this goes a very long way towards making a successful year for everyone.

The Institute continues to operate under direct control of the Nova Scotia Department of Education. Mr. E. A. Green, Supervisor of Institutes of Applied Arts and Technology, to whom I report, continues to give us excellent administrative support.

TECHNICAL ADVICE

W. E. Servant, A. F. Chisholm, C. Keen, H. B. Robertson and D. E. Wagstaff."

Introduction of New Members

The following new members were introduced by Mr. Dunbrack:

- Edward J. Webber, P.L.S., Lake Charlotte, Halifax Co.
N.S.
Nova Scotia Light & Power
Co. Ltd.
- W. Russell Atkinson, F.L.S., P. O. Box 406, Bedford,
Halifax Co., N.S.
Canadian-British Engineering
Consultants Ltd.
- William A. Thompson, N.S.L.S., 6555 Chebucto Rd., Halifax,
N.S.
City of Halifax.
- Arthur A. White, N.S.L.S., R.R.#2, Armdale, Halifax Co.
N.S.
City of Halifax
- Gordon R. Kressner, N.S.L.S., 36 Orchard Rd., Kentville,
N.S.
Dept. of Agriculture, Kent-
ville, N.S.
- F. W. Roberts, N.S.L.S., Engineering Services Division
Development Dept., City Hall
Halifax, N.S.
Supervisor Drafting and Sur-
veying.
- Marcellin S. Chiasson, N.S.L.S., Belle Cote, Inverness Co.,
N.S.
Draftsman and Assessor
- Robert Kent Carrick, N.S.L.S., 2042 Beech Street, Hall-
fax, N.S.
R. J. Donovan, 218 Roy
Building, Halifax, N.S.
- Harold Earle Burton, N.S.L.S., R.R.#2, Shubenacadie, N.S.
Dept. of Regional Economic
Expansion, Box 310, Amherst
N.S.
(Avon River Causeway-Dam,
Windsor, N.S.)
- Brian Jay Cameron, N.S.L.S., Bridgeville, Pictou Co., N.S.
Department of Lands and For-
ests.
- Garnett E. Bowman, N.S.L.S., c/o Dept. of Lands and
Forests
Dominion Beach Trailer
Court, Dominion Cape
Breton, N.S.
Dept. of Lands and
Forests.

Committee Reports

Discipline Committee

Mr. George Streb, Chairman, gave his report as follows:

"During the year, seven complaints were referred to the Chairman of the Discipline Committee. Of the seven, all but one were dealt with by correspondence, presumably to the satisfaction of the complainant - in any case no further complaint respecting any of them was heard. Only one complaint was referred to the Discipline Committee as a whole, and the situation which resulted in the complaint was rectified shortly thereafter, to the satisfaction of the Discipline Committee"

Department of Highways

Mr. R. Feetham gave his report as follows:

During the past year, your committee was active in several areas. You may well recall that this Committee was originally set up to investigate complaints by surveyors that land was being acquired by the Department of Highways with little documentation being done and in many cases plans being executed by the property owners in favour of the Department which in turn never reached the Registry Office of the County involved. We were advised by the Department of Highways that all documents and plans from here on out would be recorded. Upon checking the Registry Offices we now know this is being done.

During our initial contact and upon requests from our fellow surveyors we discussed the possible monumentation of Highway lands. The result of this was that highways began monumenting the 100 series right-of-ways and interchange properties. Monuments consisting of 3/4" steel rods with a pile of stones. Some reports indicate that these corners are easily removable.

Another meeting was held with Department officials on November 3 and the following items were discussed:

1. The use of a patent corner marker to replace the 3/4 round steel rod presently in use.
2. The improvement of right-of-way plans, paying close attention to closures which will at least meet our minimum standard of 1/2000. The addition of vital information not now provided on all plans, i.e. degree of curvature b.c., e. c., P.I., etc. with proper certification by a registered land surveyor.
3. Descriptions to properly describe the lands being acquired. These descriptions to be prepared by a Nova Scotia Land Surveyor and not a Lands and Rights agent as is presently being done.

The results of this meeting were very encouraging and the Department has indicated it is prepared to embark on a program to comply with our survey regulations.

A meeting has been tentatively set up for early in January 1970 at which time we are to provide the Department with a list of priority items. Mr. Pertus suggests that change can

be brought about if directly requested by our Association.

4. It was also requested that the monumentation of right-of-way be extended to cover secondary routes as well."

Following his report, Mr. Feetham suggested that two local members in full time practice should be added to this committee and perhaps council would look into this matter.

Mr. Robb expressed the hope that the views of the Association will continue to be expressed to the Department of Highways.

It was moved by Mr. George Streb that Mr. Ken Robb be appointed to the Highways Committee. Mr. Dunbrack felt that this should be done by Council. Mr. Streb withdrew his motion.

It was moved by Mr. E. Millard that the terms of reference for this committee be brought to include all aspects of survey monumentation and planning and that two additional persons in private practice be added to this committee. Seconded by Mr. Milo. Motion carried.

Public Relations

Mr. George Bates stated that there was nothing official to report. The only activity that this committee was engaged in was preparation for this annual meeting.

Professional Status

Mr. W. E. Servant read a letter he had written to Mr. Dunbrack as follows:

"Enclosed is a copy of proposed amendments to the Halifax Zoning by-Law. This amendment considers the C-4 Zone (which is known as a Professional Zone). It lists the use which may be made of buildings erected in a C-4 Zone, as well as lot and building sizes.

It is also recommended that council apply to the City of Halifax for inclusion of Land Surveyors with those offices permitted in a building erected in a C-4 Zone."

Municipal Regulations

Professor A. F. Chisholm read the report, signed by himself and Mr. Walter Servant as follows:

"The old county and Municipal Planning Acts are now cancelled and superseded by a common act across the Province. Your Committee has nothing further to report and it should automatically be dissolved because its terms of reference applied only to the old regulations for municipalities."

Mr. Dunbrack pointed out that the new act has not as yet been proclaimed.

There was some discussion regarding the Community Planning Conference. It was moved by Mr. K. Robb and seconded by Mr. Kressner that one member of our Council attend the Community Planning Conference and report to the Annual Meeting.

Motion carried.

Percolation Tests

Mr. K. Robb presented his report as follows:

"Your percolation test committee have now received agreement in principle from the Health Department in permitting those surveyors who have taken a course on soil tests to be allowed to submit their results for acceptance by the Provincial Department of Health.

It is still necessary, however, to get a joint agreement between the Association of Professional Engineers and the Association of Nova Scotia Land Surveyors.

We have been informed that a change in the regulations would be made as soon as a general agreement is reached between the two professional bodies.

It is now recommended by your percolation test committee that our council attend to this matter."

Mr. Robb felt that Professional Engineers Association should be approached regarding this matter. Mr. Crooker felt it was up to Council to make the approach.

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

The meeting was called to order at 2:30 p.m.

Nova Scotian Surveyor - New Issue

Mr. Walter Servant stated that Mr. Millard has been editing the Surveyor since its inception. He has run into many difficulties of later and the June issue was delayed considerably. There are problems with advertisers, two of whom are thinking about withdrawing because of the irregularity of issuing. These are Tell-

urometer and Olivetti, both of whom are full page advertisers.

Without them, it will be hard to carry on. There is also a problem with proofreading.

Mr. Servant said he took the October issue in hand and had it done by photographic offset. He felt it would be desirable to have the printer and editor in the same locality. In the past, Mr. Millard has not been getting the cooperation from the membership. Mr. Servant asked for constructive comments from the floor.

Mr. Feetham felt the Association can't afford to lose the Nova Scotian Surveyor. He suggested the Association hire a retired editor to do the job.

Mr. W. Crooker suggested that two committees be set up to work on the Surveyor. One to gather material, the other to edit it.

Mr. Servant stated that three-quarters of the time is spent getting articles. He stated that if there is some support from the membership, the present committee will carry on.

Mr. Streb said that the membership seemed quite satisfied with the October issue. He stated that the editorial committee will have the full support of the Association. He suggested they keep on for at least one more year.

Minimum Tariff

Mr. W. Crooker, Chairman of this Committee gave his report:

"At the 18th Annual Meeting it was moved and seconded that a permanent committee on rates be set up to report annually at the annual meetings. On November 30, 1968, a rates committee was formed consisting of Chairman and two other members Mr. McCallum and John Pope.

The Committee was instructed to prepare a suggested rate structure for Council's consideration, with the view of presenting this at the Annual Meeting. To determine the type of rate structure required, a questionnaire was prepared and sent out to practicing surveyors in the Province of Nova Scotia. The questionnaire covered such items as the payroll cost method for determining charges, incurred expenses, hourly rates for Land Surveyors, Instrumentmen, Draftsmen, etc... From replies to the questionnaire, the Committee was able to

obtain a cross-section of current rates and methods being employed to establish these rates.

A suggested scale of minimum fees, a copy of which is hereto annexed, was prepared from information obtained through the questionnaire and presented to Council where it received a favourable expression of opinion. This scale of fees was adopted by Council on September 20th, 1969, and is now being presented at this 19th Annual Meeting for approval by the members."

It was moved by Mr. K. Robb and seconded by Mr. Longstaff that this suggested scale of minimum fees be adopted as our minimum tariff for the year, 1970. Motion carried.

Mr. Robb stated that this committee was a continuing committee and there are things in the report which could be added to; therefore, if anyone has any suggestions, they could write to Mr. Crooker as Chairman of the Committee.

Mr. Longstaff felt that the legal profession should be aware of this scale.

Mr. Feetham asked if the list could be added to the list of members which the Secretary prepares each year. These two matters are to be brought before Council.

Mr. March felt it would be interesting to hear from other Provinces.

Most were pretty much on a par with the exception of Quebec which was much higher.

Mr. March suggested the meeting give a vote of thanks to Mr. Crooker and his committee for a job well done.

By-Laws

Mr. Dunbrack asked Mr. George Streb, Chairman of the Legislative Committee, to present the proposed by-law changes.

After explaining the proposed changes, Mr. Streb moved that the By-Laws of the Association as approved by the Governor-in-Council on March 30th, 1961, and January 22nd, 1968, (hereinafter referred to as the "Old By-Laws") be repealed and the By-Laws

of the Association as circulated to the members with the Notice calling this Meeting with the following corrections and amendments namely:

(a) By-law 6(b) last line -- the word "Provincial" be deleted and the words "Nova Scotia" be substituted in place thereof;

(b) By-law 23(a) lines 4 and 5 -- the words "seven" and "fourteen" be deleted and the words "fourteen" and "twenty-one" be substituted in place thereof;

(c) By-law 26(h) first line -- the word "technical" be deleted and the word "professional" be substituted in place thereof (hereinafter called the "New By-Laws"),
be adopted as the By-laws of the Association subject to the approval of the Governor-in-Council, and that the repeal of the Old By-Laws and the adoption of the New By-laws be effective on the date that the New By-laws are approved by the Governor-in-Council.

The motion was seconded by Mr. William Crooker. Mr. Dunbrack then asked for discussion on the motion.

It was moved by Mr. K. Robb and seconded by Mr. O. Rosinski that By-law 4 be amended as follows:- "The annual fee for membership shall be \$100.00 for those engaged in private practice on a full-time or part-time basis. The annual fee for membership for those not registered as available for private land surveys shall be \$30.00. The annual fee for all associate members shall be \$25. This membership fee to be due and payable on the 1st day of January in each year and a charge of \$5.00 shall be made for each membership certificate issued. These fees shall become effective on January 1st, 1970."

The motion was defeated.

It was moved by Mr. D. Eldridge and seconded by Mr. H. E.

Robertson that By-law 10 be amended by deleting the words "unanimously by" and that the words "by a majority of" be substituted in place thereof.

A sub-amendment was moved by Mr. Longstaff and seconded by Mr. I. MacDonald that the words "a majority" be deleted and the words "seventy-five percent" be substituted in place thereof. The motion on the sub-amendment was approved. The motion on the amendment subject to the approved sub-amendment was approved.

It was moved by Mr. H. B. Robertson and seconded by Mr. J. Pope that By-law 11 be amended by inserting between the words "pay" and "the" the words "fifty percent of". The motion was approved.

It was moved by Mr. K. Robb and seconded by Mr. O. Rosinski, that By-law 19 be amended as follows:-

(19) The Council shall appoint a nominating committee to submit a list of suggested nominees for the election of the President, Vice-President, and Secretary-Treasurer which list shall be mailed to members at least two weeks before the date of the annual meeting and shall be returned to the Secretary-Treasurer by the members indicating selection on a secret ballot paper at least one week before the date of the annual meeting.

(19) (a) The election for area representatives shall be nominated from the floor at the annual meeting of the Association. Each nomination shall have a mover and a seconder. After all nominations have ceased, the chairman shall declare a vote by ballot and appoint two scrutineers to count the ballots and forward the results to the chairman. In the case of a tie the chairman of the meeting shall have a second or casting

vote. A sub-amendment was moved by Mr. D. Crooker and seconded by Mr. W. Crooker that the word "two appearing in the proposed amendment to By-law 19 be deleted and the word "three" be substituted in place thereof.

The motion on the sub-amendment was withdrawn with the consent of the meeting. The motion on the amendment was defeated.

It was moved by Mr. E. Millard and seconded by Mr. L. R. Feetham that a section (h) be added to By-law 22 and it reads as follows:-

"Submit to the nominating committee, the names of candidates for district representatives, two months prior to the date of the Annual Meeting". The motion was approved.

It was moved by Mr. I. MacDonald and seconded by Prof. A. F. Chisholm that in the last sentence of section (d) of By-law 23, the words "a second or casting" be deleted and the words "the deciding" be substituted in place thereof.

The motion was approved.

It was moved by Mr. I. MacDonald and seconded by Mr. J. Ryan that section "A" of By-law 26 be amended by deleting the words "to his employer". The motion was approved.

It was moved by Mr. A. White and seconded by Mr. H. B. Robertson that section (j) of By-law 26 be amended by deleting the word "employer" and the word "client" be substituted in place thereof and that section (k) of By-law 26 be amended by deleting the word "employers" and the word "clients" be substituted in place thereof. The motion was approved.

It was moved by Mr. J. Pope and seconded by Mr. I. MacDonald that section (1) of By-law 26 be amended by deleting the words "where a reasonable time has elapsed since" and the word "after" be substituted in place thereof. The motion was approved.

There being no further discussion, the main motion made by Mr. G. Streb and seconded by Mr. W. Crooker along with the approved amendments was then put to a vote.

The motion was carried.

Saturday Morning, November 8, 1969

A film was presented at 9:00 a.m., the title being "Churchill Falls" Power in Perpetuity. Courtesy of Churchill Falls Labrador Corporation Ltd.

The following papers were presented during the morning.

1. Control Surveys and Aerial Mapping in Nova Scotia, Progress Report. Mr. Robertson was introduced by Mr. Dunbrack and thanked by Mr. D. Hiltz.

2. The Surveyors role in Planning and Development by Mr. Hans J. Forstel, Planner, Department of Municipal Affairs was introduced by Mr. Dunbrack and thanked by Mr. R. Fee-tham.

3. Computer Based Land Titles System, by Col. W. F. Roberts, Technical Director, the Atlantic Provinces Survey and Mapping Program, introduced by Mr. Dunbrack and thanked by Mr. G. Streb.

4. Implementation of the Coordinate System by Mr. James F. Doig, Principal, Nova Scotia Land Survey Institute with Mr. William Chambers and Mr. Philip Milo, introduced by Mr. Dunbrack and thanked by Mr. W. Servant.

These papers will be printed in future issues of the Nova Scotian Surveyor.

Saturday Afternoon

Regulations

Mr. Streb and Professor Chisholm were on the platform for this matter.

Professor Chisholm read through the Regulations pointing out

then changes recommended by the committee.

Discussion on Regulations

Section 3 a

Mr. Roy Dunbrack asked if the Professional Engineers might object to the term "engineering surveys". Professor Chisholm said that he thought not.

Section Relating to Examination, Duties and Function of Examiners

Mr. Campbell asked that since a lot of decision making was left to the Board of Examiners regarding a man's qualifications, might there be a possibility that the Board would waive examinations in cases where candidates have an engineering degree or the equivalent. Professor Chisholm stated that this has been done at times. Each case is weighed on its own merits.

Section 7(2)

Mr. Robb said he would like to see the term "1 in 2000" changed to "1 in 5000".

Mr. Campbell felt that in the particular area in which a surveyor is working the value of the land must be taken into account. He thought an accuracy of 1 in 5000 in certain circumstances would be too big.

Mr. W. Crooker stated he endorsed the 1 in 200, because he sat on the Board and they just couldn't arrive at a figure that would fit all situations.

Section 8 (c)

Mr. Dunbrack asked if it was necessary for field notes to be turned over to the Department of Lands and Forests.

Mr. Archibald said the Department receives very few of these.

Mr. Dunbrack recommended that the Board investigate the

possible use of plastic films for a base for plans.

Professor Chisholm said the Board would look into this matter.

Old Business

Mr. Dunbrack asked for any other old business. There being none, he asked for a round of applause for Mr. Ed Rice and his wife, Betty, for all the work they had done in preparing for this meeting.

Installation of Officers

The past Presidents escorted Mr. George Streb, the new President, to the platform. Following congratulations, Mr. Streb read his report.

New Business

It was moved by Mr. Doig and seconded by Mr. Dunbrack that the Association of Nova Scotia Land Surveyors go on record as fully supporting the 1970 Annual Convention of the C.I.S. to be held in Halifax. Motion carried unanimously.

Mr. Robb suggested that for the Annual Meeting next year, a different location should be taken into consideration. He asked if it would be possible to have it in Dartmouth next year. Mr. Campbell said he heartily endorsed Mr. Robb's suggestion. Mr. Streb said that Council would consider this matter.

Mr. Dunbrack brought up the matter of a committee from our Association meeting with a committee from the Barristers' Society, as was mentioned in Mr. Robert's speech this morning. He moved that Council appoint a three member committee to meet with the Barristers and Management Committee of the Atlantic Provinces Survey and Mapping Program. Seconded by Mr. Campbell and carried.

Mr. Rice spoke on the matter of registration fees at the annual meeting. He stated that starting next year, this fee

would be dropped providing the increase in dues is approved by the Governor-in-Council. Mr. Rice then read the minutes of a council meeting held November 7th at the Citadel Inn, as follows:

"Members Present: President, Roy A. Dunbrack, Vice-President, George Streb; Secretary-Treasurer, E. P. Rice; Past President, John S. Pope; Councillors, W. S. Crooker Jr., John H. Ryan, L. R. Feetham, Donald Wagstaff.

The meeting was called to order at 6:15 p.m. by the President. The Secretary moved that the reading of the minutes of the September 20th meeting be deferred to the next council meeting.

New Business - It was moved by Mr. Feetham that Dr. G. W. I. Creighton be made an Honorary Life Member of this Association. Seconded by Mr. Wagstaff. Motion carried unanimously.

It was moved by Mr. Feetham that Mr. Roy M. Schofield be made an Honorary Life Member of this Association. Seconded by Mr. Streb. Motion carried unanimously.

Mr. Wagstaff moved that the meeting be adjourned. Seconded by Mr. Pope. Motion carried."

It was moved by Professor Chisholm and seconded by Mr. Robb that the Association grant life memberships to Dr. G. W. I. Creighton and Mr. Roy Schofield. Motion carried.

It was moved by Mr. Dunbrack and seconded by Mr. Robertson that Council be empowered to make a monetary gift to their C.I.S. Convention Committee. Motion carried.

Mr. Dakin stated that the C.I.S. Committee has prepared a budget that puts us in a break-even position. It would be appreciated if this Association could sponsor in any token amount, a reception or other event.

Mr. March said that as Chairman of the Committee he would like to thank the Association for their cooperation.

Mr. Rosinski brought up the matter of corner markers. He felt they should be standard for all surveyors.

Mr. Servant gave a report on a study he had made on the Workmen's Compensation Board Act as it affects surveyors in

private practice. He said his group were assessed at \$1.95 per \$100 salary paid and are at present classed with general building trade. He said he felt that personnel in the office are not subject to the risk of those in the building trade and therefore should be assessed at a lower rate. He stated he has discussed this with engineering firms in the City and also the Professional Engineers Association. They all feel the same regarding this matter. One firm felt that an assessment of 48¢ would cover all claims against them. It was moved by Mr. Servant and seconded by Mr. Robb that the Council appoint a committee to study the Workmen's Compensation Act and to take such action as is necessary to obtain a more suitable class for survey personnel. Motion carried. Mr. Robb moved that the asterisk be removed entirely from the new list of members. Seconded by Mr. W. Crooker. Motion defeated. It was then moved by Mr. Robb and seconded by Mr. Ryan that the asterisk be retained for those employed in full-time private practice only. Motion carried. Mr. Dunbrack felt that a county breakdown on the list might be a good idea. This matter will be looked into by Council. Mr. Streb thanked the exhibitors for their participation. Professor Chisholm felt a letter of thanks should be sent to those responsible for the ladies program. Mr. Servant commented on the good press coverage this year. Mr. Streb said that Mr. Bates should be thanked for that. Mr. George Streb thanked all the guests for coming to the meeting.

There being no further business, the President, Mr. George Streb declared the meeting adjourned.

Respectfully submitted,

E. P. Rice, N.S.L.S.
Secretary-Treasurer



COL. G. E. STREB, President



L. R. FEETHAM
Vice-President



R. A. DUNBRACK
Past President

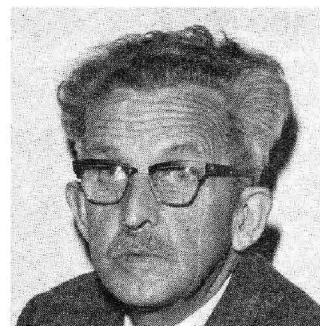
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Editor

AGA Geodimeter[®] Model 6A

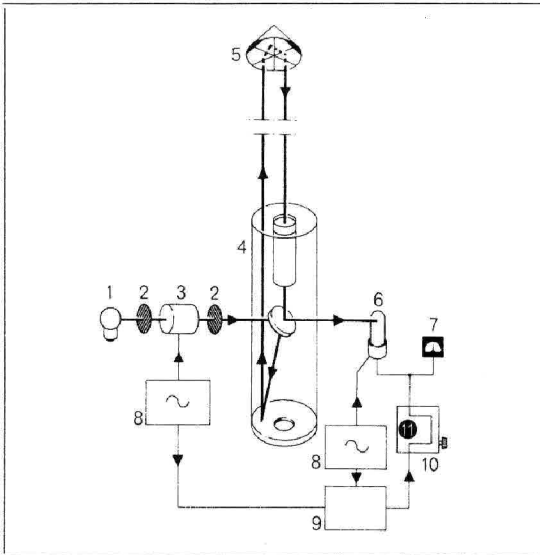
AGA
Publication 571/053

The Geodimeter Model 6 brochure with the following alterations becomes applicable also for the Model 6A

The Model 6A, with its simplified measuring procedures and increased accuracy, has been developed from the Model 6. The changes will be explained in this sheet.

New electronic system

In the brochure for the Model 6, under the heading, "Operating Principle in Brief" (with the accompanying diagram), a description is given of how the phase difference between the projected and received pulses is determined by varying the delay-line setting. The model 6A is equipped with a resolver for this phase determination. The setting of the resolver is linear in relation to the distance to be measured which means that a calibration table is not needed when calculating the distance.



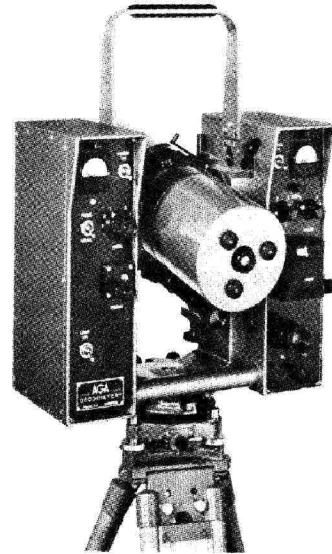
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Four modulation frequencies

Since the Model 6 only utilizes three frequencies it is necessary to know the distance to be measured to within ± 1 kilometer in order to compute the distance. However this is not necessary with the Model 6A since four frequencies result in a direct determination of all distances within the instrument range.

Increased accuracy

The new method of phase determination and improved crystal ovens have increased the accuracy of the Model 6A. The possibilities for utilizing special methods for measuring with even greater accuracy remain the same as for the Model 6.



Technical data for the Model 6A

The range depends upon the type of lamp, the visibility conditions and the size of the reflector. The data presented below are relevant under normal conditions.

Range: up to	Daylight	Darkness
With standard lamp	5 km (3 miles)	15 km (9 miles)
With mercury lamp	10 km (6 miles)	25 km (15 miles)

Accuracy (MSE): 6 mm + 1 mm/km (0.02 ft + 1 ppm)

Measuring time: 5—10 minutes per distance

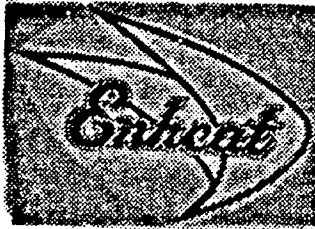
Elevation: -55° to $+90^{\circ}$

Weight:	Instrument	kg	lb
	Tripod	16	35
Mercury lamp kit with generator	Reflector (1 prism)	7	15
	Reflector (3 prisms)	20	44
		0.5	1.1
		1.1	2.5

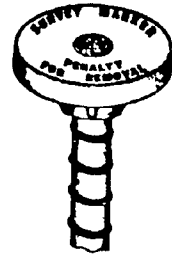
Powerconsumption: Standard lamp: 30 W/12 V from battery or generator
Mercury lamp: 300 W/12 and 50 V from generator
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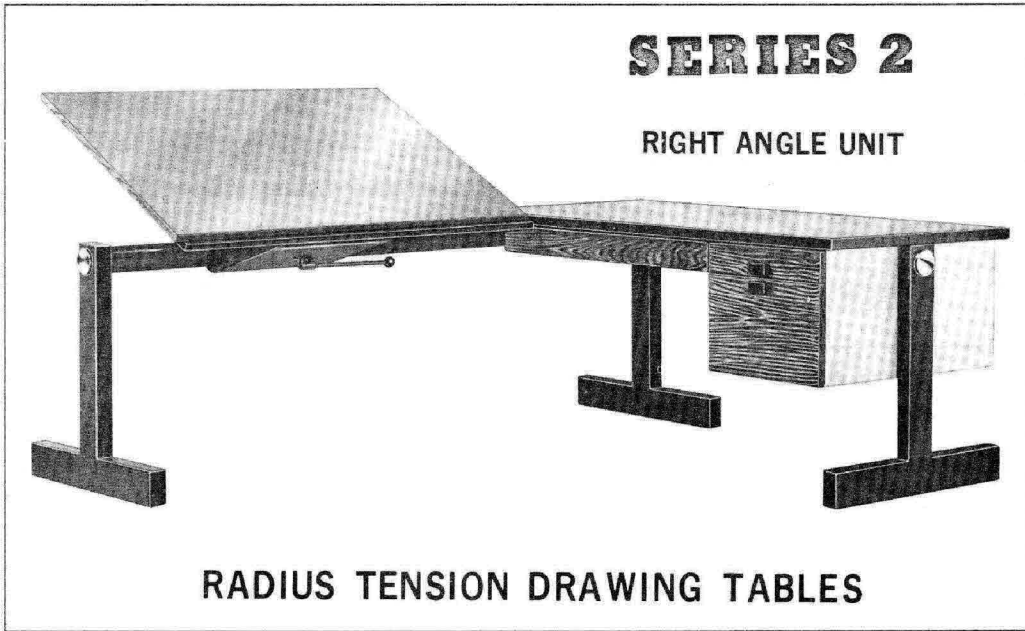
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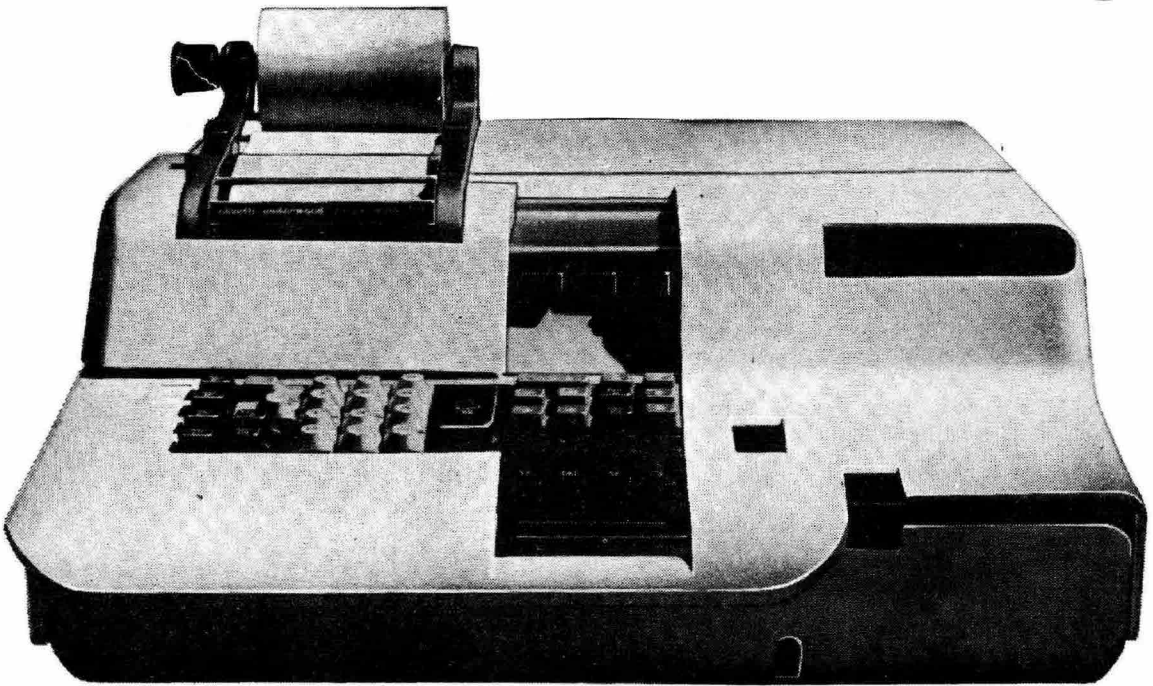
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