

# The NOVA SCOTIAN SURVEYOR



# The NOVA SCOTIAN SURVEYOR

*Published four times a year by*

*The Association of Provincial Land Surveyors of Nova Scotia Incorporated*

John S. Pope  
President

Edward P. Rice  
Secretary-Treasurer

R. E. MILLARD  
Editor

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

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Founded 1951

R. E. Millard, P.L.S.

Incorporated 1955

Vol. 20

January 1968

Number 54

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## PRESIDENT'S ADDRESS

George T. Bates

Gentlemen and friends:

It is both a privilege and a pleasure for me to welcome you to this the Seventeenth Annual Meeting of the Association of Provincial Land Surveyors of Nova Scotia.

I say welcome to our distinguished guests and to delegates from other Institutes and Associations, and to our own members. To those of you who are here with us for the first time, I want to assure you that you are among friends, whether they be members of this Association or visitors from other parts. Just remember that we all have at least two things in common and you will be away to a good start. One is that we are all either members or associates of the Land Surveying profession, and the other is that we are all here to learn and to have some fun while we are doing it. I invite all of you to join in our discussion — ask your questions, and give us your ideas. I have found over the years that meetings like this are very similar to savings banks — if you don't put anything in, you don't get anything out. We would like everyone to get as much out of this meeting as possible, with interest.

I should like to make a brief progress report. I think it is fair to say that as an Association, we have made some progress this past year. Perhaps we have not advanced as far or as fast in some fields as all of us would like, nevertheless, we have made some progress, as you will learn from the reports of committees a little later. In addition to the five meetings of Council that were held during the past year, Committees have held meetings also. And they have worked in the interest of the Association.

It has been my privilege during this Centennial Year to represent the Association at a number of Annual meetings. With only one exception, Al Daykin has also attended. Seven of us attended in New Brunswick, and six of us at the C.I.S. Convention in Ottawa. Al and Jeanine and I went on to Toronto for the Ontario sessions, as well as those in Newfoundland and Quebec. After trying to get down for the past four years, I finally made the clam bake of the Cape Cod Association at Cotuit, and Al and Jeanine were there too. Finally, I attended the MALSCE Annual Meeting at Byfield less than a month ago, and I am still trying to recover from that one. As your representative, I was most cordially received and welcomed. We have many friends in all of these places, and I am pleased to have been able to disseminate a modicum of that quiet dignity and

delicate decorum that is so typically Nova Scotian. We have a little left over for this meeting. I can assure you that Nova Scotians are made to feel right at home in all of these places, and I would ask each and every one of the members of our Association to do the same for our visitors.

Last May, I attended the closing exercises of the Nova Scotia Land Survey Institute at Lawrencetown, and presented the Major J. A. H. Church Award on behalf of the Association. A short time later, I also attended the Major's funeral, as did many, many others. On that same day, the dean of Land Surveyors in this Province passed on, and I went to offer condolences in Bridgewater to our old friend Rusty March on the death of his father, and an Honorary member of this Association, Stephen Edgar March. Due to a previous commitment, I was unable to attend the funeral.

In June, it was my privilege to join with the Lieutenant - Governor of Nova Scotia, the Hon. H. P. MacKeen, in unveiling ceremonies of the Co-ordinate stone at Province House.

There has been several other functions, mostly of a social nature, that I have attended, but whether these have been because of the office I have held in this Association or for other reasons, I am not sure. In any case, this Association also was there.

I have mentioned the unveiling of the Co-ordinate Monument at Province House. This is only one of about 150 that have been located both in and around Halifax and Dartmouth. You may be interested to learn that others either have or are being located elsewhere in the Province, at Sydney, Port Hawkesbury, Liverpool, and in the area between Middleton and Bridgetown. Still other locations are under consideration. As most of you are aware, this Association for several years has played a leading part in advocating the establishment of a Co-ordinate system for Nova Scotia. I would urge those of you who know about these monuments to us them. And to those who don't, I would say find out about them and plan to use them.

For the past 17 years, we as an Association have been very busy getting organised and established. Two years ago, President Errol Hebb in his report took a look back at what we have done, and last year, President Bert Robertson took a cautious but discerning look into the future.

This year, having been to the meetings I mentioned earlier, I have learned a lot, and one of the most important things that is apparent is that we as Land Surveyors will have to keep up with the advances that are being made so rapidly in our own profession. We shall have to keep in touch with what is going on in our profession, and improve our techniques in order to maintain our position of importance. Surveying is a great profession and is becoming more so with the advance of time and all of the technological improvements. We have to keep in touch and one of the easiest and best ways to do this is by reading our own publications, The Nova Scotia Surveyor will give us the local picture, and the Canadian Surveyor a much larger one.

We must also improve our public image by telling the public who and what we are — and what we can and are doing. From what I have seen personally of the leaders in our profession, both in Canada and the United States, I am not much worried about the future of Surveying. We have some great men at the top. Think for a moment of such men as Sam Gamble, Bob Thistlewaite, Ted Blachut, Professor De Jong, Willis Roberts, and others that you can name as well as I, in our own country. Think of men like General Lester Higbee, Phil Bill, Gomer MacNeill and the Schofields in the United States, and Peter Angus Leppan in Australia. These are just a few of the leaders that most of us know personally, great men all, and there are many others. The future of the profession is in good hands.

Here in Nova Scotia we have had sterling leadership. Major J. A. H. Church, Reg Dickie and Rusty March are a few. But we must keep in step. We not only can be, but we are definitely a part of the future of our profession.

Last year we appointed a Public Relations Committee. This year I would like to

suggest that one of the more important functions of this Committee will be to keep this Association AND the general public informed on what is going on in our profession. They are well qualified to do so. And as I see it, the need is both great and important.

In the past, this Association has been operating on a shoe string economy, and the perennial problem of paying for what must be done has been a restrictive item for too long. If it were not for the great many donations of time, services and materials that have been and are being made by so many members, for so long, this Association would be continually in the red. Even our Annual Meetings have been heavily subsidized — and you as members have been the beneficiaries. I think the time has come for us to stand on our own feet. Our Annual dues are much lower than those of other Associations and our cash reserve is always a continual deterrent when we consider the things that you want Council to do, and the things that must be done if we are to keep in step.

This year, for the first time, you are paying for the Annual Meeting at almost cost. Later on, there will be a motion to increase the Annual dues to \$20. Although this is a 100% increase, it is still one of the lowest, if not the lowest in the area. It is less than one day's pay and should not pose a problem for anyone. There are some in this Association who would willingly pay a 1,000% increase.

We need extra money for so many things that we, as a strong and representative Association should be doing. We shall be needing extra money in order to put through the legislation to make and keep us a strong Association. We need it to keep you as members better informed. We should be paying travelling expenses at least to those who travel on Association business on their own time. These are only a very few of the reasons.

The labouring unions all pay far more than we, and although the extra money will not enable us to do all of the things that you want us to do, and that should be done, it will enable us to do some of the things that MUST be done — if we are to survive. I urge your most earnest consideration of this problem and your enthusiastic support of the motion when it comes before you.

I should like to thank the members of Council on your behalf for their active and consistent interest in the affairs of this Association. I can assure you that you have been well served by Council this year.

You are especially indebted to Ed Rice, our efficient and dedicated Secretary-Treasurer, and his wife Betty in this our Centennial Year in Canada. My personal thanks go to them both.

It has been a pleasure to work with the Committee in charge of the arrangements for this Annual Meeting. They have done a great job—as you all are about to find out.

It is and has been a great personal honour for me to have both served and represented this Association during the past year. I know my faults and shortcomings perhaps better than most, and it has been a real inspiration for me to meet and talk with the leaders of our profession. I feel that the best is none to good for this Association — and I can assure you that I have done, and will continue to do my best in all its affairs.

Thank You.

## ANNUAL REPORT OF SECRETARY-TREASURER

Mr. President, Guests and Members:

Before beginning my report, I would like to extend my own personal welcome to all our guests who are honouring us with their presence here at our 17th Annual Meeting. It is my sincere wish that you will find your stay here interesting, pleasant and enjoyable; and that this will not be your last visit to our fair province.

I also wish to thank the exhibitors, not only for coming but also for their promptness in replying to our invitation to exhibit. Your exhibits are very much appreciated and contribute greatly to the success of our meetings.

During the past year we had a number of active committees who you will be hearing from shortly. One committee not listed is the 17th Annual Meeting Committee. This committee was made up of our president, George Bates, Robert Feetham, Al Daykin, and Joseph Archibald. I wish to express my sincere thanks to this committee for their cooperation in the organization of this assembly. I would also like to extend my thanks to the staff of Mr. Robertson of the Department of Lands and Forests for printing the programs.

During the past twelve months the following new members were admitted to the Association:

- Duncan A. MacGregor, Fredericton, New Brunswick,
  - F. Wayne Miller, Elmsdale, N. S.
  - Reginald C. Lewis, Dartmouth, N. S.
  - Thomas B. Smith, Falmouth, N. S.
  - Donald W. Pulsifer, Lower Sackville, N. S.
  - Harry M. Edwards, Bridgewater, N. S.
  - George E. Hingley, Debert, N. S.
  - Glenford I. Gilbert, Fall River, N. S.
  - Claude F. Bonnell, Truro, N. S.
  - Peter L. Dodge, Halifax, N. S.
  - Edward V. MacDonald, Dartmouth, N. S.
  - Associate Member, William Peter Fenwick, Dartmouth, N. S.
- The present membership statistics of the Association are as follows:

Honorary Members	4
Honorary Life Members	9
Paid Up Members	214
In Arrears	20
Associate	2
	<hr/>
Total Membership	249

The total membership has a net increase of five members; and our arrears are down to 20 from a total of 37 last year. Five members requested to be released from the Association. The main reason for the decrease in arrears this year is the publishing and distribution of the Roll of Members.

In April of this year, we published our first Roll of Members and it was distributed to all of our members, all Registry offices in the Province, all survey Associations across Canada, a number of Federal and Provincial Departments, and county planning boards and a number of law firms. This list has been well received and more and more are being requested by other firms and companies who wish to engage land surveyors. The list will be republished again in April and it has proven to be a good form of advertising for our Association.

Since our last annual meeting a total of 6 Council Meetings were held on the following dates, Nov. 5, 1966, Dec. 2, 1966, March 3, 1967, June 2, 1967, June 21, 1967 and Sept. 15, 1967. I will not elaborate on the business of these meetings as they will be dealt with in the reports which are to follow.

Correspondence during the past year was the same as in previous years. We are still receiving a number of inquiries from surveyors in foreign countries indicating their wish to immigrate to Canada and what they must do to obtain their license in Nova Scotia. All such letters are answered indicating our qualifications and requirement.

During the past year the Council dealt with one complaint from a Sub-divider against one of our members. This complaint was brought to a successful conclusion by Council.

Regarding our financial situation, I must report that our bank account is diminishing as the Financial Report indicates. Like everyone else, we are also hit with the rising

cost of living, plus the fact that we are trying to increase our services to the public and to our members. In order that our financial situation may be improved, a motion which was circulated with the ballots will be tabled later. This motion pertains to an increase in the dues of the Association.

In concluding my report, I would like to say that I hope to meet and speak with all here present during these two days and should any of you have inquiries or suggestions regarding the Association, please feel free to approach me.

Thank you, gentlemen.

Respectfully submitted,  
Edward P. Rice,  
Secretary-Treasurer

### REGISTRATION FOR THE 17th ANNUAL MEETING

Alvinie Amirault	Al Ingarfield	John Pope
George Bates	M. L. Johnson	Donald Purcell
Ernest Boehk	Emmerson Keen	M. D. Rafuse
Claude Bonnell	Robert Lawrence	Edward Rice
Stuart Cameron	Stuart Lawrence	E. B. Ritchie
Donald Campbell	J. E. R. March	Kenneth Robb
A. F. Chisholm	Jack Marshall	H. B. Robertson
Ronald Chisholm	Herbert Martell	Jack Ryan
David Clark	William Mason	Robert Sarty
Murray Cossitt	Roger Meister	Walter Servant
David Crooker	Roger Melanson	Lewis Smith
W. S. Crooker, Jr.	R. E. Millard	Burney Smith
S. E. Daykin	Robert Miller	Stirling Snow
Ronald Dearman	Phillip Milo	George Streb
R. J. Donovan	Dave Munro	Hugh Sullivan
Roy Dunbrack	Carl MacDonald	L. W. Telfer
Donald Eldridge	E. D. MacDonald	Forbes Thompson
Robert Feetham	Roderick MacDonald	Jean Veilleux
Peter Fenwick	Gerald MacDougall	Ray Wadge
Glen Gilbert	John McInnis	Donald Wagstaff
Robert Gough	Fred McKeown	Elliott Whitby
Errol Hebb	Frederick Newberry	Brian Wolfe
Edward Hanifen	Jack Osmond	Frank Yates
G. E. Hingley	Brian Peel	

### EXHIBITORS REGISTERED AT THE 17th ANNUAL MEETING

Agatronics Ltd. ....	Mr. Roland Zwicky
Charles Bruning Co. Ltd. ....	Mr. S. Carver — Mr. Roger Dupuis
Eastward Industries Ltd. ....	Mr. M. Hattie — Mr. R. Scully
Hughes Owens Co. Ltd. ....	Mr. C. A. Stringer — Mr. E. Hollingum — Mr. R. Kempt
Enamel Heating Products Ltd. ....	Mr. W. A. Hastings
Norman Wade Co. Ltd. ....	Mr. J. H. Noonan, Mr. T. Marshall
Tellurometer Canada Ltd. ....	Mr. J. F. Wentzel
Stihl Chain Saws (Canada) Ltd. ....	Mr. D. A. Myers



### DETAILS OF RECEIPTS

Dues: Arrears .....	\$ 375.30	
Current .....	2,060.85	
Associate .....	20.00	
16th Annual Meeting .....	1,386.00	
Examination Fees .....	971.15	
Advertising in the Nova Scotian Surveyor .....	370.00	
Subscriptions to the Nova Scotian Surveyor .....	18.20	
Certificates .....	.16	
	\$5,203.66	\$5,203.66

### DETAIL OF EXPENDITURES

16th Annual Meeting .....	\$1,966.81	
Postage and Stationary .....	320.96	
Council meetings .....	110.88	
Stenographic Services .....	125.00	
Board of Examiners .....	1,029.33	
Honorarium to E. P. Rice .....	250.00	
Honorarium to E. G. Hollingum, Assistant Sec. ....	75.00	
Flowers .....	78.33	
Refunds .....	35.00	
Printing of the Nova Scotian Surveyor .....	833.54	
Delegates to conventions .....	701.56	
Bank Charges .....	15.80	
N. S. F. Cheques .....	70.15	
Telegrams and Telephone calls .....	23.73	
Roll of Members .....	183.46	
Miscellaneous .....	55.00	
Solicitor's Fees .....	105.00	
Donation to Canadian Cancer Society .....	5.00	
Major Church prize for N.S.L.SI Student .....	15.40	
	\$5,999.95	\$5,999.95

Respectfully Submitted,  
E. P. Rice  
Secretary-Treasurer  
Ernest Boehk

Auditors:— ..... J. F. Archibald

### THE ASSOCIATION OF PROVINCIAL LAND SURVEYORS OF NOVA SCOTIA

#### PROPOSED BUDGET

FOR PERIOD OCTOBER 1st, 1967 TO SEPTEMBER 30th, 1968

Bank Balance, October 1st, 1967	\$1,355.68	
Receipts	7,110.00	
Expenditures		\$7,040.00
Bank Balance, September 30th, 1967		1,425.32
	\$8,465.68	\$8,465.68



**DETAILS OF RECEIPTS**

Dues: Membership	210 at \$20.00 .....	\$4,200.00
Non-practising	20 at 5.00 .....	100.00
Associate	2 at 10.00 .....	20.00
17th Annual Meeting .....		1,400.00
Examination Fees .....		1,000.00
Advertising in the Nova Scotian Surveyor .....		370.00
Subscriptions to the Nova Scotian Surveyor .....		20.00
		\$7,110.00

**DEAIL OF EXPENDITURE**

17th Annual Meeting .....		\$1,800.00
Postage and Stationary .....		450.00
Council meetings .....		500.00
Stenographic Services .....		200.00
Board of Examiners .....		1,000.00
Honorarium to E. P. Rice .....		250.00
Flowers .....		250.00
Printing of The Nova Scotian Surveyor .....		900.00
Delegates to conventions .....		700.00
Bank charges .....		20.00
Telegrams and Telephone Calls .....		50.00
Roll of members .....		200.00
Miscellaneous .....		75.00
Solicitors Fees .....		800.00
Donations .....		20.00
Major Church prize for N.S.L.S.I. Student .....		15.00
		\$7,040.00

Respectfully Submitted  
E. P. Rice  
Secretary-Treasurer

**LIST OF ASSOCIATION COMMITTEES — 1968**

**Legislative Committee**—Col. G. E. Streb, Mr. E. Millard, Mr. Forbes Thompson, Prof. A F. Chisholm, Mr. H. B. Robertson, The President, Secretary - Treasurer.

**Public Relations** — Mr. E. Millard, Mr. J. E. R. March, Mr. G. T. Bates.

**Committee to Investigate the Professional Statue of Land Surveyors** — Mr. Walter Servant, Mr. J. E. R. March.

**Committee to Investigate the Dept. of Highways method of Transacting Land** — Mr. Robert Feetham, Mr. E. Millard, Col. G. E. Streb.

**Committee Investigating the Legality of County Survey Regulations** — Prof. A. F. Chisholm, Mr. Walter Servant.

**Percolation Test Committee** — Mr. K. W. Robb.

**18th Annual Meeting Committee** — Mr. E. P. Rice, Secretary-Treasurer, Mr. Robert Feetham, Mr. S. E. Daykin, Mr. Roy Dunbrack, Vice President.



## DISCIPLINE COMMITTEE

1968

In compliance with the By-Laws of the Association made under the authority granted by the Provincial Land Surveyors Act, being Chapter 6 of the statutes of Nova Scotia, 1959, and approved by the Governor-in-Council March 30, 1961.

Chairman .....	Roy S. Dunbrack .....	2839 Connolly St., Halifax, N. S.
Member .....	J. H. Ryan .....	28 Woodlawn Trailer Court Dartmouth, N. S.
Member .....	Brian D. Wolfe .....	R.R. No. 2 Lower Sackville, N. S.
Member .....	Col. G. E. Streb .....	P. O. Box 225 Middleton, N. S.
Member .....	Emmerson Keen .....	P. O. Box 27, Stewiacke, N. S.
Member .....	F. Lyndon Gray .....	P. O. Box 526, Liverpool, N. S.
Member .....	M. D. Rafuse .....	c/o Dept. of Lands & Forests Provincial Building, Halifax, N. S.
Member .....	Donald C. Campbell .....	R.R. No. 3, Box 4, Sydney, N. S.

E. P. Rice  
Secretary-Treasurer

## ASSOCIATION OF PROVINCIAL LAND SURVEYORS OF NOVA SCOTIA SEVENTEENTH ANNUAL MEETING

### CITADEL INN

NOVEMBER 3 and 4, 1967

### MINUTES

#### FRIDAY, NOVEMBER 3, 10 a. m.

The President, Mr. George Bates, opened the Seventeenth Annual Meeting of the Association of Provincial Land Surveyors of Nova Scotia at 10 a. m. with the ringing of a small bell.

Following the reading of his report, the President asked all to rise in silent tribute to the memory of two members who passed away during the year; Major Church and Mr. S. E. March.

#### Introduction of Guests and Visitors

The President introduced the following, each of whom replied with a short speech.  
**Willis Roberts:** President of Canadian Institute of Surveying; graduate of UNB in Forestry Engineering; served overseas from 1940-1945; appointed Assistant Director of Surveying in 1955 and Director in 1958, a position he now holds.

Mr. Roberts stated he was very pleased to be here. One of his duties in his position is to attend meetings. This year he was across Canada twice and to Europe. The C. I. S. is a body to which anyone who wishes can belong. There is only one main objective and that is the education of members. This is done by:

- (a) publication of the Canadian Surveyor, one of the best in the world;
- (b) Annual Meetings;
- (c) Symposiums.

He stated that they were more than willing to assist any association in any study they wished to make.

This year, Canada had the honor of having I. S. P. meet here in September.

From C. I. S. he brought greetings and offered any assistance they could give.

Being the only representative from New Brunswick, he brought greetings on behalf of the New Brunswick Land Surveyors Association and stated all would be welcome to attend the annual meeting being held in Moncton, January 16 and 17, 1968.

Mr. Roberts stated that C. I. S. has been meeting with the four Atlantic Provinces for the past two years in order to make a presentation to the Atlantic Development Board for "X" number of dollars in regard to land titles, mapping, etc. The proposal has been accepted and meetings are now being held once a month. If we are lucky we may know by spring. Each Association will hear through its Provincial Government. Thank you.

**Mr. Ivan P. MacDonald: Representing the Surveyor General of Canada.**

He brought regrets that the Surveyor General could not make the meeting, and stated he was very happy to be his representative. Although he is a member of Nova Scotia Association of Provincial Land Surveyors, this was his first annual meeting and he was very pleased to be here.

**Mr. Gilbert Simard: President, Quebec Land Surveyors Association.**

He stated his wife sent regrets she could not attend. He said he would be glad to answer any question regarding the Quebec Association. He paid tribute to Mr. George Bates as an ambassador of good will. The Quebec Annual Meeting will be held early in June 1968 and everyone is most welcome. He wished the Association a most profitable and happy meeting.

**Mr. Robert Smith: President, Ontario Land Surveyors Association.**

He was not present at the time of introduction.

**Mr. Frank Shortall: President, Newfoundland Land Surveyors Association.**

He stated he was delighted to be back again in Nova Scotia and thanked the Association for the kind invitation to himself and his wife. He brought greetings and every wish for a successful annual meeting on behalf of himself and the Newfoundland Association.

**Mr. Mort Smith: President, Massachusetts Association of Land Surveyors and Civil Engineers**

He brought greetings from the Massachusetts Association and also from the Connecticut Valley Association of Land Surveyors and Civil Engineers. Mr. Smith read a small newspaper item which was directed towards Mr. George Bates concerning an incident that happened at the Massachusetts convention: "It is reported that the octopus is not a deadly menace to swimmers; in the world beneath the sea, the shy animal usually retreats when a diver approaches."

**Mr. Angus C. Hamilton: Vice President of C. I. S., Scientific officer in the Gravity Division of Dominion Observatory. Graduate of University of Toronto with B. Sc. in 1949, M. Sc. 1951. In 1960 and 1963 as an official delegate he presented papers to the International Geophysical Society in Helsinki, Finland.**

Mr. Hamilton stated that at present he is with the Surveys and Mapping Branch. He stated he was here because he wanted to be here and he wished every hope for a successful meeting.

**Mr. Fred Lambert: Representative of International Boundary Commission.**

He stated he was very happy to be here. Said this was his third visit to Nova Scotia; first to go overseas, second as a tourist. From the Surveys and Mapping Branch he brought the regrets of Sam Gamble that he could not attend but he sent his very best wishes for a successful meeting.

At this point, Mr. Bates asked to have the regards of the Association sent to Mr. Gamble.

**Mr. Everett Green:** Supervisor of Vocational Schools.

He stated it was always a pleasure to attend these meetings and this group always made his most welcome. He brought greetings from the Department of Education and best wishes for success.

**Mr. W. Schofield:** Vice President of Massachusetts Association of Land Surveyors and Civil Engineers.

He stated it was really a pleasure to be back. He also brought greetings from A. Philip Bill, President of the American Congress of Surveying and Mapping.

Mr. Bates also welcomed Mr. B. Schofield.

**Mr. Everett Hingley:** Massachusetts

Mr. Hingley said he was very pleased to be here and wished the members every success with the Seventeenth Annual Meeting.

**Mr. Charlie Savory:** Massachusetts

He stated this was his first trip to Nova Scotia and he hoped it wouldn't be his last. He brought greetings from the Cape Cod Society of Land Surveyors. He said that the Cape Cod Society was the beginning of the Massachusetts Association of Land Surveyors and Civil Engineers. He hoped that if any of the members were visiting Cape Cod at any time, they would drop in for a visit.

**Mr. Philip Kingman:** Land Surveyor, Civil Engineer and Lawyer, Massachusetts.

Mr. Kingman said it was his first visit to Nova Scotia and he hoped not his last. He extended a welcome to any of the members to attend their meetings at any time.

The President called upon the Secretary to read the minutes of the Sixteenth Annual Meeting. The Secretary, Mr. Ed Rice stated that the minutes had been published in the Nova Scotian Surveyor and therefore it would not be necessary to read them. He moved that the minutes be adopted as printed in the Nova Scotia Surveyor. Seconded by Mr. Eldridge. Motion carried.

The president called for the financial report. Mr. Rice distributed copies of the report covering period October 1, 1966 to September 30, 1967. He stated that this report had been audited by Mr. J. F. Archibald and Mr. Ernest Boehk. Mr. Rice moved the adoption of his report as printed and distributed. Seconded by Mr. Roy Dunbrack.

Mr. Bates asked for questions on the report.

Mr. Eldridge said he was not happy with the financial statement. It appears that the Association lost \$580 on last year's annual meeting. As a function, this event should carry its own weight. He stated he would like to see that the charge at the door cover the annual meeting. This would take some sort of planning to make sure this was done. On these lines, he felt it would have a bearing on the raising of dues. He stated that the annual meeting should take care of itself and the dues should take care of everything else.

Mr. Bates stated that the executive were trying to do something about this.

There being no other questions, the adoption of the Financial Report was voted on and carried.

The Secretary-Treasurer at this time presented his annual report for 1967.

**Scrutineers Report — Mr. Forbes Thompspon**

President	Mr. John Pope
Vice President	Mr. Roy Dunbrack
Secretary-Treasurer	Mr. E. P. Rice
Councillors:	
Halifax City Area	Mr. M. D. Rafuse
Halifax County Area	Mr. John H. Ryan
Western Nova Scotia	Mr. Robert L. Hunt
Eastern Nova Scotia	Mr. Emerson C. Keen
Cape Breton Area	Mr. Donald C. Campbell
Councillor at Large	Mr. F. Lyndon Gray

**Board of Examiners Report — Professor A. F. Chisholm**

Two meetings were held during the past year, the first on April 7, 1967 and the second on November 2, 1967.

Examinations were held in December 1966 on the 20th to the 21st inclusive. Five candidates wrote the Legal Exams, all of whom were successful.

In the regular May Examinations, coinciding with the Land Survey Institute closing, fifteen candidates wrote the Intermediate Examinations at Halifax and Lawrencetown, eleven of whom were successful, fourteen candidates wrote the Final Part 1 Examinations, seven being successful while three candidates wrote and passed the part II Final in Legal Examinations.

All those who were not successful are still eligible to write supplemental examinations in December prior to the Christmas Holiday.

One candidate writing a supplemental was unsuccessful.

Since the 16th Annual Meeting was held last year, six candidates having previously qualified by passing the necessary examinations set by the Board and served their twelve month Surveyor in Training period, have been issued certificates entitling them to practice Land Surveying in the Province of Nova Scotia upon becoming members of the Association:

The six successful candidates are as follows:

Claude Frederick Bonnell, 116 Park St., Truro, N. S., July 27, 1967

Arthur Ellison Briggs, McLean Road, Donkin, C. B. Co., September 8, 1967

Harry Melrose Edwards, R. R. No. 4, Bridgewater, N. S., March 20, 1967

George Edward Hingley, Debert, Col. Co., May 29, 1967

Frederick Wayne Miller, Elmsdale, Hants Co., N. S., December 20, 1966

Edward Vincent MacDonald, 11 Centre St., Dartmouth, N. S. Sept. 14, 1967

One Survey Engineer Graduate wrote the legal paper but has not yet qualified for the apprenticeship period.

Respectively submitted

J. F. Archibald, Secretary,

Professor Chisholm thanked the other members of the Board: Mr. Creighton, Mr. Bates, Mr. Fitzner and Mr. Archibald.

**Nova Scotian Surveyor — Mr. R. E. Millard**

This report at our 17th Annual meeting on the Nova Scotian Surveyor for the year 1967, will be short.

First I must apologize to our advertisers and secondly to this association or vice-versa for the delay in publishing, as you both contribute in a financial manner that constitutes the body of this quarterly paper. Its contents and regular publication is the life that keeps it ticking, this is my responsibility.

January and March came forth as planned; however June was slow of birth; this was due to unforeseen events on my part namely tempermental printing staff and changing of ownership and this latter was augmented by the absence of the owner and the new owner to be feeling his way in a strange crew, this resulted in your receiving the June issue in October. I'm quite sure you will have the September issue by Christmas. However, I have had a serious talk with the new owner and he assures me that things will be better, much better. Due to reorganizaion in one or two firms and the removal to the West Coast of the Canadian distributors of one group of equipment, we lost and I hope only temporarily, one of our large advertisers.

I would like to say though, that we are exchanging our Nova Scotian Surveyor quarterly for quarterly and annual publications in Western Australia, New Zealand and the Australian Surveyor. I have these publications with me and should you care to look at them here, they will be available. I say "look" because I have not had time to read them all, but hope to by the end of this year. When and if any one is interested in them, they can drop me a line, along with 2 quarts of their life blood as security, and I'll put your name on the lending list. They are interesting, they have problems,

some similar to ours, some quite different. But they have now and have had for many years the Torrens System of land tenure, something we need very badly, but I feel are reluctant to acquire for reasons both real and I feel some only imaginary.

I hope before the end of 1967 to hear from other Commonwealth Countries and exchange publications with them.

I had planned a mid year issue of the Nova Scotian Surveyor to be our Centennial Issue, but due to unforeseen events it will be nearer the end of this year. I still want materials for copy that take up to 3 to 5 pages. I have quite a bit of copy 8 to 12 pages, its all good copy, but does not give us much variety in the many and variable problems in our fields of endeavour.

I thank you for your attention and the privilege of serving you as your Editor of "The Nova Scotian Surveyor."

Respectfully Submitted,

R. E. Millard, P. L. S., Managing Editor

**Nova Scotia Land Survey Institute — Colonel Streb**

Colonel Streb said he would like to bring greetings from the staff and students.

He stated there were many of the second year students present for the meeting.

Last May, they graduated 13 in the first year course and 14 in second year. There were 9 in photogrametry and 11 in cartographic drafting. There were a number of failures last year, especially in cartographic drafting. Nearly all had jobs before graduation. Three quarters of the graduates found work in Nova Scotia and New Brunswick. The advisory committee at the annual meeting recommended that students in photogrametry should have a basic course. This year twice the number were enrolled. It is proposed that in 1968 first year land surveyors will have a pre-requisite for photogrametry.

This year there are two girls enrolled at the school.

Colonel Streb stated that there has not been much change in course content. Good instruction on photographic mapping is being developed.

Through Federal Government we have placed eighty monuments in Nova Scotia and another twenty are being placed shortly. We want something for our students to work on and also to make it a showplace for the Province. Thank you.

Mr. Savory of Massachusetts said they were badly in need of land surveyors and would be glad to have any graduates who might wish to come down.

Mr. Ivan P. MacDonald stated that his office was interested in summer students and graduates and he would be glad to meet with them anytime while he was here.

#### **Report of Committees:**

**Discipline Committee — Mr. John Pope**

He stated that there had been only two complaints dealt with by council directly and they both concerned unlicensed surveyors. He said that they cannot seem to get information on them and they can't get clients to prosecute.

**Legislation Committee — Mr. George Bates**

Feb. 2: Informal meeting of Committee:

Following amendments suggested:

1. Change name to "Association of N. S. Land Surveyors"

2: Para. 10, Sec. (1) (c) after "surveyor in training" add the words "in Nova Scotia"

3: Para 13, delete "April" as amended March 1961, and substitute "May."

4: Para 17 to be amended to state that anyone practising as a qualified land surveyor must be a member of the Association, in good standing.

5: Para 18, Sec. 1 Delete Entirely.

Solicitor asked to review above items, and discuss with full committee.

Correspondence etc. with Solicitor.

March 3. Council Meeting, with W. J. MacInnis, Barrister, A. F. Chisolm and E. A.

Green as guests. Legal opinion was that no difficulty would be met on first three

items. Might expect continued opposition from Professional Engineers in items 4 and 5. Solicitor wants informaton on why amendments are necessary and reasons for the changes. After discussion (1½ hours) it was decided that proposed amendments go back to committee for further study.

June 8: J. E. R. March added to committee. Full discussion of all items. Listing of reasons for various changes. The committee in unanimous agreement that we proceed with amendments as itemized.

June 21: Council Meeting. Motion that Secretary take appropriate steps for proper notice of motion for changing the Act as per items 1, 2 and 3. Regarding items 4 and 5, felt that sufficient information lacking to make and substantiate a good case at this time. These referred back to committee for further study, and preparation for presentation to Legislature in 1969.

Sep.. 22: We received from Counsel three items:

(1) Draft bill amending the Provincial Land Surveyors Act.

(2) Resolution to be passed at this meeting, authorizing council to prepare and present the bill

(3) Notice of annual meeting dealing particularly with the amendment to by-law 4.

Your committee recommends that we proceed with items 1, 2 and 3, immediately, on which we expect no real difficulties, and that we work towards bringing items 4 and 5 before the Legislature in 1969.

#### Highways Method of Transacting Land — Mr. Robert Feetham

This committee set up by Council was delegated to investigate certain problems associated with the Department of Highways method of acquring land. The Committee consisted of three members as follows: Chairman — Mr. Eric Millard, Mr. George Streb, Mr. L. R. Feetham.

Due to unforeseen circumstances, Mr. Eric Millard had to decline the position of Chairman and it was decided that I should carry on with the necessary investigation.

The problem faced by many of our members was that the Department of Highways was acquiring property for highway construction and not recording deeds or plans to show what areas of the owner's property were affected. Needless to say this created much difficulty for the surveyor in properly carrying out his responsibility to a client. Registry information was lacking.

After much letter writing, many telephone calls and meetings the Department of Highways have agreed to the following procedures:

1) For new highway construction, all property required will be automatically expropriated. This expropriation will be recorded at the appropriate Registry.

2) Lands required for the widening and reconstruction of any existing highway where the centreline has to be changed will be taken by deed. The deed and associated plan will be recorded at the Registry Office. Failing this, the area will be expropriated with the expropraton automatically recorded.

3) Where no change in centreline is involved, yet a small shim of property is required, a plan is prepared and the owner signs an agreement which is attached to the plan and will be recorded at the Local Registry. These are borderline cases where a highway boundary may only change from one side of a fence to the other. Any change in dimensions or area should not noticeably affect the lot. In this particular type of case, plans and agreements will be recorded at the local Registry. This has never been done before.

To sum up, it is my personal belief that since 1959 the system of land acquisition used by the Department of Highways has greatly improved and the Land Surveyor in the practice of his profession should have little difficulty in obtaining information relating to these acquisitions. i

In closing I would like to thank Eric Millard and George Streb for their cooperation in this matter.

Respectfully submitted,

L. R. Feetham



### **Percolation Tests — Mr. Ken Robb**

During the past year your percolation test committee has continued their efforts to make it possible for Land Surveyors to carry out soil percolation tests as presently required by the Provincial Department of Health, prior to the installation of a septic tank and disposal field.

Our efforts to have this matter brought before the County Board of Health has met with success. Letters were read to the meeting from Warden Ira Settle, Municipality of the County of Halifax and J. R. Cameron, M. S., D. P. H., Director, Atlantic Health Unit, outlining past negotiations between your committee and their respective boards.

In summary I may state that the Department of Health has no objection to land surveyors taking these tests and the matter is to be further discussed with the Municipal Solicitor and a decision will be soon handed down by the Department of Health.

I presume that a short course of instruction for land surveyors will be given and arrangements made with our council for their implementation.

As soon as your committee has been notified by Warden Ira Settle, the Chairman of the Committee will immediately contact the Secretary of the Council.

Yours very truly,  
K. W. Robb, Chairman

### **Legality of Municipal Regulations — Professor A. F. Chisholm**

Report of W. E. Servant, A. F. Chisholm to Annual Meeting of Association of Provincial Land Surveyors of Nova Scotia regarding County Planning Regulations as they effect Surveying.

A letter was sent to each Municipal clerk asking for copies of County Planning Regulations and any other requirements or regulations that pertained to Surveying.

Results of the enquiries are tabulated below, divided into two general groups, those who do and those who don't. Regretfully the latter group outnumbers the former. Please note that the counties are not shown in any order — just as they happened to come in my file.

### **Annapolis County**

#### **Tentative Plans**

Scale not smaller than 50 to 1 inch, may be based on deed description of property to be subdivided, but not necessarily as surveyed.

#### **Final Plans**

Final plans to show the boundaries of the property surveyed, with accurate distances and bearings as determined by rvey in the field with closure error not exceeding one unit per thousand units by compass, and one unit per three thousand units by transit. (Note— thing stated as to whether compass or transit is to be used.)

North point either true or magnetic to be shown

Conform to the requirement for registration in the Registry of deeds.

Be certified by a Provincial Land Surveyor of Nova Scotia, in the manner required by the Registry Act and any other Act in force at the time of application for approval of subdivision.

### **Cape Breton**

The Regulations of the Counties or Districts of West Hants and Cape Breton are identical to Annapolis, whereas East Hants has no specific scale for tentative plans and no limiting closure error for final plans.

**The County of Colchester** sent Subdivision Regulations which seem to have been prepared with some consideration for those who find reading legal jargon a chore — they have illustrations!

Their tentative plan requirements are the same as Annapolis, their regulations concerning final plans are similar but include the following paragraph (9(c)) “be certified by a Provincial Land Surveyor of Nova Scotia in the same manner required by the Registry Act except where any parcel of land after subdivision will contain more than five acres or will be more than 500 feet from any public highway.”

**Halifax County** has three forms of plans:

A “preliminary” plan (no survey required) may be submitted.

A “tentative” plan must have a scale not smaller than 200 feet to the inch; show contours, topographical features, location of monuments used and astronomic bearings between monuments, geodetic elevation of monuments and a surveyor’s certificate concerning the boundaries.

A “final” plan shows all the above and a subdivision certificate from the surveyor.

**King’s County** did not send planning regulations, instead sent a zoning by-law; of great interest in this case is the accompanying letter from the Clerk. One paragraph says “The Municipality of the County of Kings has adopted Sub-division Regulations which require the presentation of plans to the Planning Board surveyed and prepared by a Provincial Land Surveyor, or someone who is not a P. L. S., but whose work is acceptable to the County Planning Board.”

**Yarmouth County** admitted they had no regulations pertaining to surveying — but did forward information regarding sewage disposal systems. Perhaps that should look after us. Are the Yarmouth County P.L.S.’s in the bad graces of Mr. Crosby?

**Guysborough, Richmond, Pictou, Shelburne, Digby, Cumberland and Lunenburg** did not at the time of writing have any County Planning Regulations.

**Liverpool** also denied having any planning regulations as yet, but did add that “matters pertaining to surveying are done by Mr. Eric Millard, P.L.S.”. I must say that our good friend who at first seemed to have some sort of inside tract or monopoly, managed to talk his way out of the situation at least to our satisfaction.

**City of Dartmouth** have a comprehensive set of regulations not at great variance from the others, do give specific scales for plans, require submission of tentative plans certified by a P. L. S. and indicating that “the boundaries of the land have been surveyed and accurately located . . .”, north point etc., and final plans to show “accurate distances and bearings as determined by survey . . .” —error of closure not exceeding one unit per 2500, the accurate location of one or more monuments, and certified in the usual manner.

**City of Halifax** do not have set of regulations for reference use, but refer to the N. S. Town Planning Act of 1939 with amendments concerning power to amend lot size, layouts, etc. No reference is given to definition of accuracy of the survey.

Signed

A. F. Chisholm, P. Eng. P. L. S.  
W. E. Servant, P.L.S.

Mr. Robb asked if these regulations were approved by the Minister of Municipal Affairs. Professor Chisholm thought they were but he will find out for sure.

**Professional Status of Land Surveyors — Walter Servant**

Last year at our Sixteenth Annual Meeting held here at the Citadel Inn, it was brought to our attention that the zoning by-law prepared by the Town Planning Board of the City of Halifax, contains the following definition: “Professional person” means a person who is a member of one or more of the following professions and who is licensed to practise same:

- (a) Doctor, Physician or Surgeon
- (b) Dentist

- (c) Barrister or Solicitor
- (d) Architect or Engineer

Your Committee investigated the procedure necessary to have Nova Scotia Provincial Land Surveyors included on this list. It would be necessary to make an application for a change of the City By-law in the usual manner, approval by the Town Planning Board and approval by the Halifax City Council, advertise the intention to change the by-law in a newspaper as a public notice, approval of this change by the Minister of Municipal Affairs.

Walter E. Servant, Chairman.

Mr. Bates adjourned the meeting until 3 p.m. as we had reached the hour of twelve noon.

The C. I. S. luncheon was held at 12:30 p. m. with both the President, Mr. Willis Roberts and Vice President, Mr. Angus Hamilton being present. During the luncheon, Jolly Tar of the City of Halifax paid a visit and presented certificates of good will to all out-of-province guests.

The afternoon session commenced at 2:30 p. m. with the instructional film on "Unmasking Tomorrow", which was a combination film on surveying and photography in Nigeria. This film was with the compliments of Wild in Canada.

Due to the illness of Captain Jack Strong of St. Johns, Newfoundland and his inability to be present to present his paper on astronomy, President Bates asked the Secretary to write Captain Strong, wishing him a speedy recovery from his illness, on behalf of the members and executive of the Association. President Bates said that this period would be taken up with the business session, continuing where we left off in the morning.

**Public Relations Committee: Mr. J. E. R. March**

First of all, Mr. March said he was very disappointed to see no account of our proceedings in the paper. He said all news media had been informed and he felt they would come through eventually. It is only in this way that we make the people aware of what is going on here. He said his report would be sent to the Nova Scotian Surveyor for publication.

Some of the points brought out in his report are as follows:

(1) public relations have been the best in the history of the Association in this centennial year,

(2) placing of monuments is one of the most important things that has taken place in this Province, as far as public relations are concerned. While the placing of our monument was taking place, many other monuments were being placed at the same time in cities across Canada. The idea was proposed by the Advisory Committee on Surveys several years ago. He said the origin of this monument goes back to Bruce Waugh, before Thistlewaite had the idea that Canada should have coordinated survey practices across the nation.

(3) There are two books: "Men and Meridians" by Don Thompson and "Surveyors of Canada 1867-1967" by Major Courtney Band which everyone should have.

(4) Mr. March felt that the list of surveyors fills a long wanted need.

(5) He stated that there had been a TV program on which an expert in public relations was being interviewed. He was discussing a meeting of APEC. The expert said that this was a group of very able men, discussing the problems in the Atlantic Province. Mr. March felt that they might accomplish more if they held their meetings elsewhere and told the work what was right instead of what was wrong here. He felt the same could be applied to our Association. We should keep our problems for committees and keep our good points for outside.

Mr. Bates stated that a telegram had been received from Otto Rasinski, Ottawa, conveying his best wishes for a successful conference.

## Old Business

Mr. Bates felt that the committees as now constituted had done a lot of work over the past year. He asked the assembly if it was their wish that the committees remain and continue with their work on the various subjects. There being no comments or suggestions, the committees will remain as is.

Regarding the legality of Nova Scotia regulations, the President asked if anything should be done about them as per the report given earlier.

Mr. March said he was puzzled why there should be so much difference in regulations from municipality to municipality. This Association should make a move for uniformity in municipalities.

Professor Chisholm felt that the committee had done what it was intended to do and he was not sure who should carry this through.

Mr. Millard stated that he felt this should be done through the offices of the Department of Municipal Affairs.

Mr. Bates stated we have (a) a situation and (b) a report on the situation which means something should be done about it.

Mr. March felt we should ask Professor Chisholm to take it a step further.

It was moved by Mr. J. E. R. March and seconded by Mr. Roy Dunbrack that the committee remain as is and continue their studies and make a recommendation to this Association through council, regarding action in the matter. Motion carried.

Mr. Bates brought up the matter of percolation tests, stating that since we are permitted to make the soil tests ourselves, some course should be put on so that we can qualify ourselves.

Mr. Robb was not present so the matter will be put forward.

Mr. Millard asked for reports for the Nova Scotian Surveyor, e.g. people attending conventions, etc.

Regarding the report of the Legislation Committee, Mr. Bates stated that there were three items to be brought to the attention of the legislature. Mr. March said the committee has authority and is proceeding with this. This committee is still working.

## Resolutions

The Secretary stated that there would be no motion until the new business session. The bill to amend the Act will be going through the legislature this spring. Mr. Rice said that Professor Chisholm had pointed out to him that the resolution going out had errors in it, but in the Bill it was corrected. For example, "12 months" should have been "9 months" and it did not refer "with whom". Regarding changing by-laws for dues, this motion has to be tabled at a new business session.

Professor Chisholm asked if he could have the results of the questionnaire sent out last year. Mr. Rice said this would be available at 2 p. m. on Saturday.

Mr. Ivan MacDonald felt that the Association should have a voice as a professional group in the city. He felt Land Surveyors should be called professional people.

Mr. Walter Servant stated that the C.A.'s amendment to be called professionals was in progress and it would be too late for us to jump on the wagon with them.

It was stated that according to the zoning regulations for the City of Halifax, a professional person may conduct a private business from his own home in R1, R2, and R3 zones. A non-professional may practice from his own home in R4 zone.

Mr. Bates said that all matters reported to this meeting will be taken note of by the new council and all will be kept aware of them by Association members.

At this point, President Bates asked the exhibitors to come forward and they were introduced and each spoke for approximately 10 minutes.

Following exhibitor talks the meeting was adjourned for the day.

## Saturday, November 4 — 9 a. m.

The morning session began at 9 a. m. with the film "Helicopter Canada". Approximately 80 persons attended and it was thoroughly enjoyed by all.

At 10 a. m., Mr. A. F. Lambert, International Boundary Commissioner, presented his paper on the international boundaries. This paper was well enjoyed by all those in attendance.

The second paper of the morning was given by Mr. S. E. Daykin entitled "Use of Coordinates" by the Department of Highways of Ontario. This paper was prepared by Mr. Spence Foreman of the Department of Highways of Ontario. This paper was well presented and it is hoped that our surveyors will be able to put into practice the ideas gathered from this presentation in the near future.

The hour approached twelve noon, the business sessions scheduled for 11 a. m. was cancelled and the meeting recessed for lunch. At 12:30 p. m. a luncheon was held in Salon A at the Citadel Inn for the past presidents and guests.

The President, Mr. George Bates opened the session at 2:15 p. m. This being the last session, he expressed the thanks of the Association to Mr. Daykin and Mr. Schofield for their presentation of slides and papers before lunch.

There was a recommendation from Council that the following be made "life members" of the Association:

Vincent P. Harrison and Edmund A. Crawley and that the following be made "honorary members", Spencer Ball and Charles C. Linsay.

**Mr. Ed Crowley:** His family has long been associated with surveying in Nova Scotia. He had been an active member for many years and a worthy member. We are pleased to recognize his contribution to this Association.

**Mr. Vincent P. Harrison:** A worthy member who has presented outstanding services to the profession. For many years he was secretary to the Board of Examiners and also served with equal success as secretary to the Advisory Board of the Nova Scotia Land Surveying Institute.

**Mr. Spencer Ball:** He laid most of the groundwork that led to the formation of this Association. President in 1958-59.

**Mr. Charles Lindsay:** His family also has long been associated with the surveying profession. In 1946 he was president of C.I.S. and has been an honorary member of that Association since 1965. Also an honorary member of the Ontario Land Surveyors Association and past president of the Quebec Land Surveyors Association. He is still practising in Westmount and is proud to be a member of the Nova Scotia Provincial Land Surveyors Association.

Mr. Bates stated that these names were placed before the assembly for their consideration.

It was moved by Mr. J. E. R. March that all the names as read be accepted and he considered it an honor to move that Charles Linsay be an honorary member of the Nova Scotia Provincial Land Surveyors Association. Seconded by Mr. K. Robb. Motion carried unanimously.

President, Mr. George Bates reiterated his personal thanks to council and to all members of the Association who have so capably assisted during the year. He said he wasn't quite sure he could do what was required of him and he wanted to assure all that he had done his best. He stated that Mr. John Pope was a capable person and he could assure the Association that he was the man for the job. He wished the new president the best of success and he would help him to the best of his ability.

The past presidents brought Mr. John Pope to the rostrum. Mr. Pope took the choir. He asked for a round of applause for Mr. George Bates. He thanked the Association for electing him president for the coming year. He stated he would do his best.

The president then brought up several items he would like to see rectified:

(1) There has been a lot of emphasis placed on the social aspect of conventions and not enough on the reason for the meeting.

(2) He felt the convention had outgrown the Citadel Inn. The exhibitors don't have room to exhibit.

(3) Our organization in the past has seen fit to send a delegation to other conventions. He said he was all in favor of this but he felt a man who was taking the money to visit these other meetings should bring back something constructive.

#### **New Business**

The Secretary-Treasurer read a motion sent to all members regarding the raising of dues and resolutions to amend act.

It was moved by Mr. K. Robb that subject of the approval of the Governor-in-Council, the figure \$10. in line (1) of by-law 4 be deleted and the figure \$20 be substituted therefore. Seconded by Mr. Walter Servant.

Mr. Robb felt we should seriously consider voting in favor of the raising of dues.

Mr. March stated he would like to speak in favor of the motion. This association has gone ahead a long way. There are loopholes in the Act and we are going to try and make changes soon. He recommended the motion be adopted. The motion was voted on and carried unanimously — It was moved by Mr. R. Feetham that the resolutions to amend the Act and circulated prior to the annual meeting be adopted and processed as per the recommendations of our solicitor. Seconded by Mr. Dunbrack. Motion carried unanimously.

#### **Budget**

Mr. Rice passed out copies of the budget. He said there was one correction: "Bank Balance, September 30, 1967" should read "Bank Balance, September 30, 1968".

He explained that the item "solicitors fees" was put in to take care of people practicing without licenses.

Mr. Ivan MacDonald felt that with the raise in dues, perhaps the Major Church prize might be made higher. Mr. Pope said his suggestion will be brought before Council.

Mr. Roy Dunbrack asked to have the increase in expenses for council meetings explained.

Mr. Rice replied that the Association hoped to be able to pay councillors for attending meetings. He said they hoped to hold one or two meetings in Sydney.

Professor Chisholm said he would like to see one other item added to the budget. That a membership be taken out in the name of the President and Vice-President in other associations.

Mr. Bert Robertson felt that the \$75.00 miscellaneous item should be more. It may turn out that we are restricting ourselves too much.

Mr. Pope stated that this fee is higher than in other years. Actually this budget is a little higher than we anticipate spending.

#### **Results of Questionnaire Sent Out Last Year**

240 copies were mailed out and 176 replies were received. Of that, 64 were university graduates. Twenty-five were in private practice and 22 resided in Nova Scotia. Of that, 8 were university graduates. Of the 176, 52 are available as part-time surveyors.

There was a suggestion made that Mr. Rice should receive more than \$250 for his services. Since the budget has been drawn up, the \$250 will remain.

Mr. Ivan MacDonald said that in his position, he has access to a lot of information from other associations. From Saskatchewan he had a pamphlet that is placed where people own land and it tells what a surveyor can do for them. Also he had a large sign "Protect Your Survey Monuments". These both will be studied by Council. ....

Mr. Walter Servant said he would like to have the results of the questionnaire published in the Nova Scotian Surveyor.

Mr. Bob Smith from Ontario then spoke and apologized for not being present for introductions. He thanked the Association sincerely for inviting him. Their annual meeting will be held in Hamilton on February 13 and 14. He said the problems in Nova Scotia seem to be the same as in Ontario. He said they had just completed an education conference in Ontario and he was quite sure the requirements to become a land surveyor

would be university graduation. He stated they had just discussed last week the problem of professional status. The fact that you insert "professional" into the zoning by-laws does not make you a professional, only your conduct will do this.

Mr. M. Smith from Massachusetts thanked the Association for its hospitality. He extended a welcome to all members to come to Massachusetts and attend any conference.

Mr. Angus Hamilton also thanked the Association for the hospitality extended to him. He said the C.I.S. meeting would be in Edmonton this year and arrangements are being made with CNR for getting there. A train will leave Ottawa on Sunday p.m. and arrive in Edmonton, Tuesday p.m.

Mr. Gilbert Simard, on behalf of the Quebec Land Surveyors Association thanked the Association for its courtesy he received where here. He also extended a thank you on behalf of Charlie Lindsay for his honorary membership.

Mr. Frank Shortall thanked the Association for the kind invitation and he enjoyed himself immensely. He hoped to be invited back again. He hoped many would attend their annual meeting in May.

Mr. Lambert extended many thanks on behalf of himself and his wife.

Mr. Kingman said he had a wonderful time and thanked the Association for the invitation.

Mr. B. Schofield said many thanks and hoped to be back again in the future.

Mr. Walter Servant stated that subdivision plans must be stamped and signed by a P.L.S. and the plan must be certified according to the Registry Act. This Act has never been proclaimed. The registrars are also expected to accept these plans which have been certified by the registry board.

Mr. Servant moved that our executive appoint a committee to study that portion of the Act and return back to Council with recommendations and findings concerning that portion of the Act. This is for the protection of the public and guidance of land surveyors. Seconded by Mr. Ivan MacDonald and carried.

Mr. Ed. MacDonald asked if there was a standardized surveyors stamp. He moved that a standardized surveyors stamp be made for land surveyors. Seconded by Mr. David Clarke.

It was suggested that perhaps it would not be appropriate to adopt this until legislature has changed the name.

Professor Chisholm moved an amendment to Mr. MacDonald's motion that the Council should, following results of change in name by Legislature, look into this matter and be instructed to consider a rubber stamp or seal with a place for surveyors signature. Seconded by Mr. Ivan MacDonald. Carried.

Mr. Ed. MacDonald asked if Professional Engineers had to belong to the Association to practice land surveying. Professor Chisholm said a professional engineer can practice as a land surveyor without being a member of this association. He felt that this association can only benefit if we attract more educated people into our ranks. There are very few engineers in our Association. There was much discussion regarding civil engineers practicing land surveying. Mr. Rice stated that the engineering act was put forward until next year since there were five other items to go before legislature. He stated that our solicitor suggested we postpone it for another year.

Mr. Bob Smith stated that in Ontario, no person may practice land surveying unless he is a member of the Association. A graduate engineer cannot practice land surveying until he had served an apprenticeship and written examinations.

This will be discussed further by the legislative committee.

Mr. March said he had been fighting on this subject for a number of years and he had a good realization of what we are up against with the legislature. We can do nothing but act upon the advice of our solicitor.

Mr. Simard stated that Quebec was exactly like Ontario.

Mr. Ivan MacDonald said his understanding was that among engineers there was a feeling that surveying was minor. He felt that surveyors have more dealings with legality.

Mr. Servant stated that the Association fought hard in 1959 to convince the now Premier, G. I. Smith that we were the only ones entitled to practice land surveying. Mr. Smith felt that professional engineers should be able to practice land surveying without belonging to the Association.

Mr. Feetham mentioned that Nova Scotia Technical College has done away with surveying.

Mr. Angus Hamilton said this whole question of convincing a legislative committee is to make a change by broadening scope of activities, for example, control surveys, mapping, etc., higher quality surveys, hydrography. If surveyors were to broaden their activities to represent all these things, then they could prove to legislature that they were covering different areas from engineers. He felt that these activities should be brought into the scope of this Association.

Professor Chisholm said there would probably be no more than one engineer per year applying and writing exams for this Association.

Mr. Ed MacDonald asked what type of exams they would write.

Professor Chisholm said this is decided according to their qualifications.

Mr. Ed. MacDonald asked if there was such a thing as a standardized survey monument.

Mr. John Pope said this is covered in the Regulations.

Mr. K. Robb felt that at next year's meeting, we should be able to devote more time to our personal problems.

Mr. Pope said this would be noted and seen to next year.

Mr. Pope announced that there would be a council meeting immediately following.

It was moved by Mr. John Ryan and seconded by Mr. J. E. R. March that a committee be formed to study standardization of monuments in this province. Motion carried.

Mr. Roy Dunbrack asked if it would not be possible in future to indicate on the membership roll, those who are in private practice.

Mr. March stated that some years ago the Department of Lands and Forests put out such a list and it indicated those in private practice.

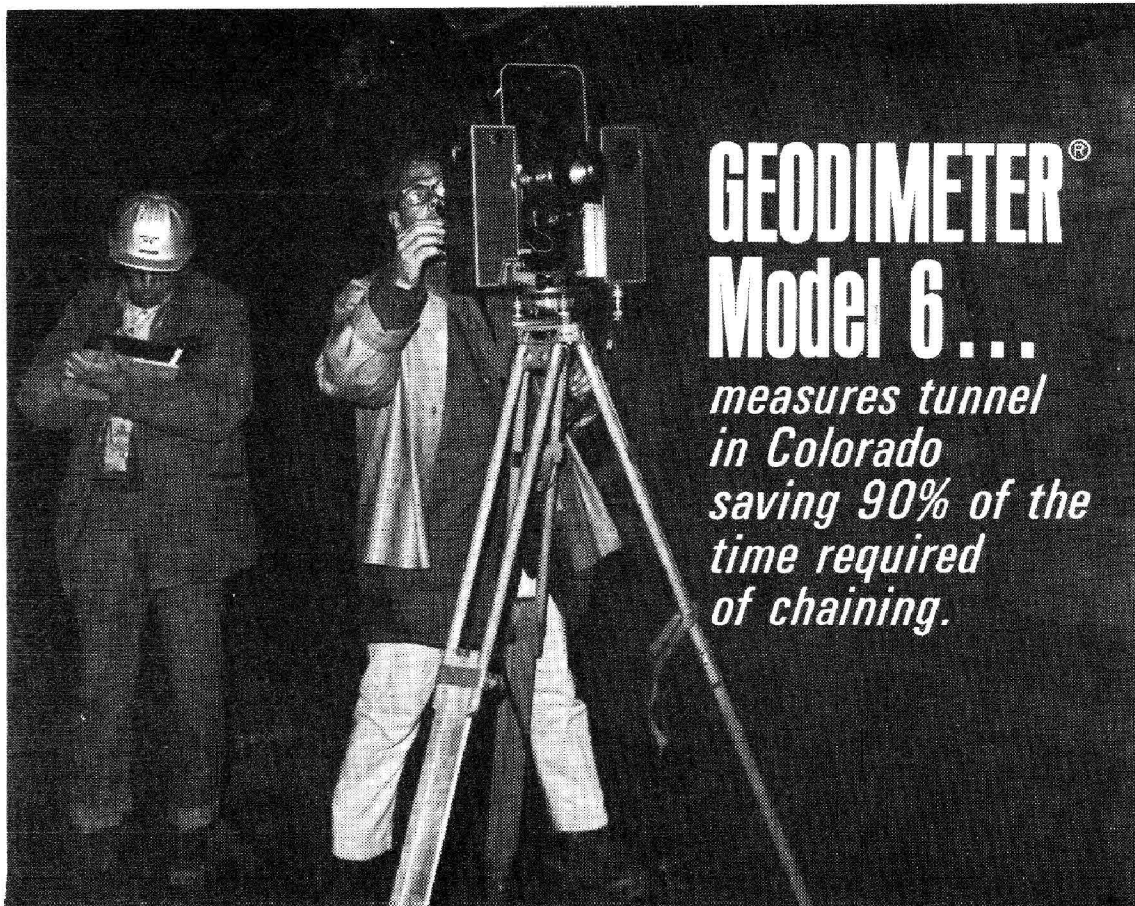
This matter will be taken up with council.

There be no further business, it was moved by Mr. Walter Servant and seconded by Mr. Murray Cossitt, that the meeting adjourn.

At 6:15 p. m., the Seventeenth Annual Dinner was held, followed by the Annual Dance, at which 150 persons were in attendance.

Respectfully submitted,  
Edward P. Rice, P.L.S.  
Secretary - Treasurer





# GEODIMETER® Model 6...

*measures tunnel  
in Colorado  
saving 90% of the  
time required  
of chaining.*

Photo by R. C. Hopper, Resident Engineer, Colorado Department of Highways.

Recently we asked an employee of the Colorado Department of Highways for his comments and the results of the Geodimeter Model 6 in measuring the "Straight Creek Tunnel" through the Continental Divide.

*“ This measurement made for us was a great help and certainly was to an accuracy which would have been difficult if not impossible to do by the conventional methods of chaining. □ My estimate is that the measurements made in the tunnel were accomplished in 10% of the time that would be required in chaining. ”*

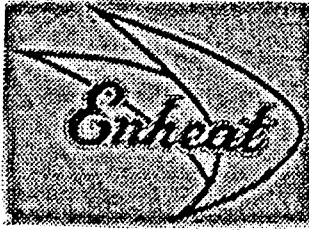
Remember, underground, over water, in cities, in fact anywhere . . . the Geodimeter Model 6 does the job—*Faster* (10% of the time in this case), *Cheaper* (only one trained operator required and AGA's slave reflectors stationed anywhere) and *Better* (greatest accuracy available from any instrument - 0.03 ft. + 2 millionths of the distance) and it all can be yours . . . easily.

For further information call or write to:

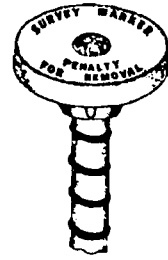
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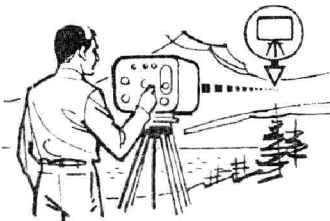
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