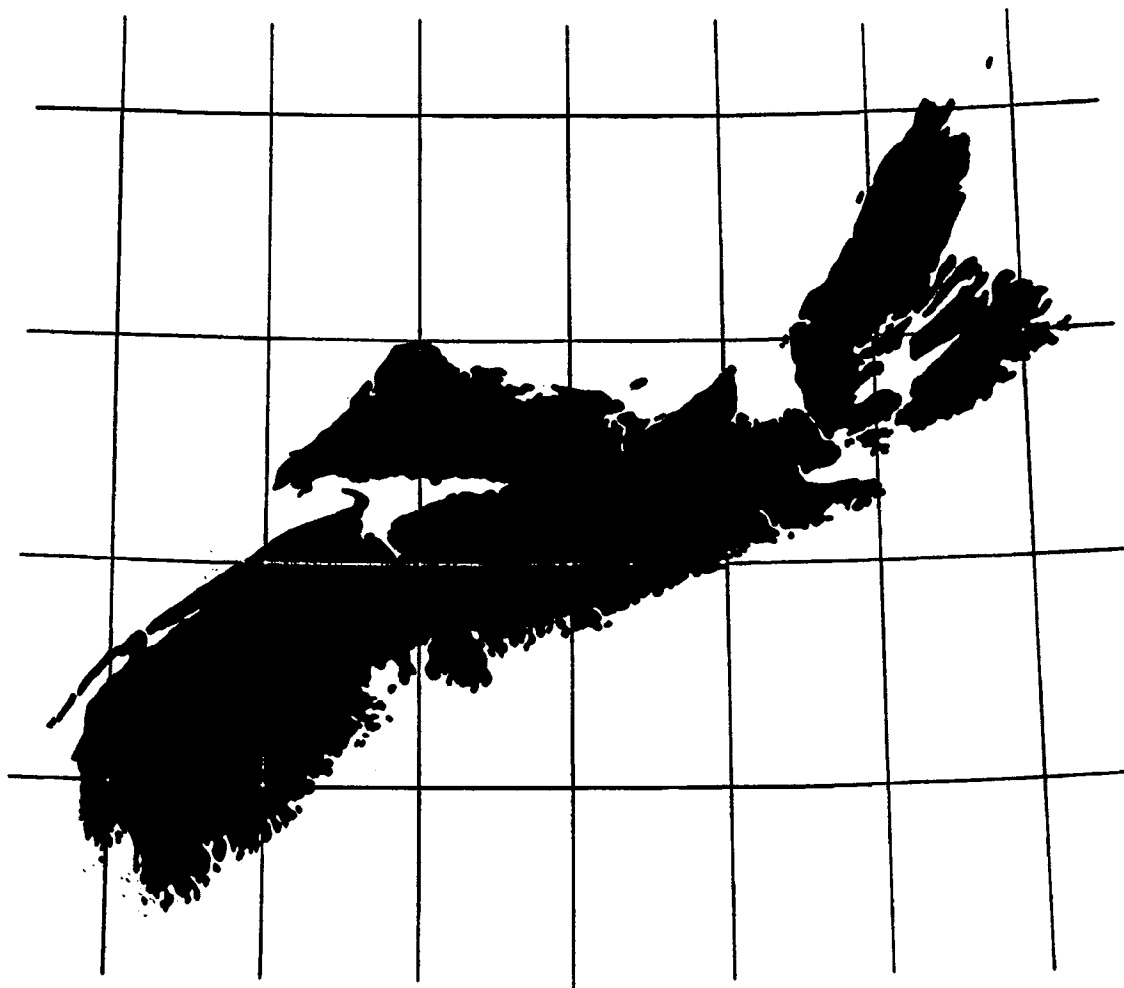


The NOVA SCOTIAN SURVEYOR



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WALTER E. SERVANT
President

H. B. ROBERTSON
Secretary-Treasurer

R. E. MILLARD
Editor

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

NINTH ANNUAL MEETING

HELD IN THE LORD NELSON HOTEL, HALIFAX, N. S.
MONDAY AND TUESDAY, NOVEMBER 16th, and 17th, 1959

MEMBERS REGISTERED AND PRESENT AT ONE OR MORE SESSIONS:

- W. H. Orton, Dartmouth, N. S.
F. W. McKeown, Dartmouth, N. S.
H. B. Robertson, Halifax, N.S.
E. G. Hollingum, Halifax, N.S.
H. A. Cameron, Bridgeville, N.S.
A. M. Foster, Bridgetown, N.S.
Frank Yates, Baddeck, N.S.
Walter E. Servant, Halifax, N. S.
Spencer Ball, Halifax, N. S.
Herbert Martell, Sydney River, N. S.
Major J. A. H. Church, Lawrencetown,
N. S.
E. P. Rice, Halifax, N.S.
A. C. Gillmore, Fredericton, N.S.
R. A. Miller, Middleton, N.S.
R. E. Dickie, Liverpool, N.S.
Charles M. Douglas, Hantsport, N.S.
Donald E. Wagstaff, Brooklyn, N. S.
R. H. Burgess, Truro, N.S.
A. F. Chisholm, Halifax, N.S.
J. F. Archibald, Dartmouth, N.S.
Ernest F. Boehk, Halifax, N.S.
Murray F. Cossitt, Sydney, N. S.
V. P. Harrison, Halifax, N.S.
W. Stewart Lawrence, Windsor, N. S.
J. E. R. March, Halifax, N. S.
A. E. Amirault, Upper West Pubnico,
N. S.
J. L. Ryan, Halifax, N. S.
David L. Crooker, South Brookfield,
N. S.
D. L. Eldridge, Truro, N. S.
C. Irwin Cameron, Milton, N. S.
Robert L. Hunt, Liverpool, N.S.
E. O. Temple Piers, Halifax, N.S.
Robert E. Gough, Halifax, N. S.
Sterling Snow, Ecum Secum, N. S.
Chester Keen, Marshalltown, N. S.
Errol B. Hebb, Bridgewater, N.S.
R. E. Millard, Liverpool, N. S.
E. B. Ritchie, Liverpool, N. S.
Roger Melanson, Mill Village, N. S.
Lewis O. Smith, South Brookfield,
N. S.
E. A. Crawley, Chester, N. S.
L. R. Feetham, Halifax, N. S.
R. J. Donovan, Halifax, N. S.
A. H. Murray, Earltown, N. S.
K. P. MacDonald, Truro, N. S.
George Bates, Halifax, N. S.
John A. McElmon, Halifax, N. S.
Elliot Whitby, Halifax, N. S.
C. H. Robart, Moncton, N. B.
Roy Dunbrack, Halifax, N. S.
J. Ronald Chisholm, Antigonish, N. S.
John H. MacDougall, Antigonish,
N. S.
John R. Fiske, Halifax, N. S.
Paul Wendt, Ellershouse, N. S.
F. Lyndon Gray, Truro, N. S.
W. S. Crooker, Port Wallis, N. S.
Ian MacInness, Dartmouth, N. S.
K. W. Robb, Dartmouth, N. S.
George W. Swanburg, Shelburne, N. S.
G. H. Nightingale, Kentville, N. S.
C. C. Lemmon, Halifax, N. S.
G. A. Nicholson, New Germany, N. S.
Millan MacDonald, New Germany,
N. S.
John Pope, Sydney, N. S.
Freeman Tupper, Milton, N. S.
G. W. I. Creighton, Halifax, N. S.

GUESTS REGISTERED:

Robert Thistlethwaite, Surveyor, General, Vice President, Canadian Institute of Surveying, Ottawa, Ontario.

R. F. Mucklestone, President, Association of Ontario Land Surveyors, Brockville, Ontario.

F. C. Woods, President, New Brunswick Land Surveyors Association, Fredericton, N. B.

James Canning, President, Newfoundland Land Surveyors Association, St. John's Newfoundland.

Llewellyn T. Schofield, Past President, Massachusetts Association of Land Surveyors and Civil Engineers, Framingham, Mass., U.S.A.

G. W. Lacroix, Officer-in-charge, Eastern Region, Canadian Hydrographic Service, Halifax, N. S.

Lester C. Higbee, President, W. & L. E. Gurley Ltd., Past President, American Congress on Surveying and Mapping, Troy, New York, U.S.A.

Jack Kirkconnell, Administrative Officer, Surveys & Mapping Branch, Department of Mines and Technical Surveys, Ottawa, Ontario.

W. D. Mills, Director, Vocational Education Division, Department of Education, Halifax, N. S.

J. P. Messervey Retired Deputy Minister, Department of Mines, Halifax, N. S.

A. W. McLaughlin, Assistant Director of Surveys, Department of Lands and Mines, Fredericton, N. B.

Charles F. Reardon, Planning Engineer, Municipality of the County of Halifax, Halifax, N. S.

Dr. G. G. Meyerhoff, Head of Department of Civil Engineering, Nova Scotia Technical College, Halifax, N. S.

G. D. Mader, Chief Engineer, Nova Scotia Power Commission, Representing the Association of Professional Engineers of Nova Scotia.

J. R. Cameron, National Gypsum (Canada) Limited, Association of Professional Engineers of N. S. representative on the Board of Examiners.

O. R. Stillwell, Survey Staff, Department of Lands and Mines, Fredericton, N. B.

EXHIBITORS REGISTERED:

L. A. Garnett, Garnett Scientific Sales, Ltd., Halifax, N. S.

D. W. Wright, Garnett Scientific Sales, Ltd., Halifax, N. S.

R. F. Paul, Carsen Instruments Ltd., Toronto, Ontario.

Stuart S. Carver, Hughes Owens Company Limited, Halifax, N. S.

Gordon Mitchell, Hughes Owens Company Limited, Halifax, N. S.

Murray Lyon, Norman Wade Company Limited, Saint John, N. B.

D. J. Peden, President, Wild of Canada Limited, Ottawa, Ontario.

Murdock Hattie, Eastward Industries Limited, Halifax, N. S.

C. E. (Ted) Tuffey, Keuffel & Esser of Canada Limited, Montreal, P. Q.

D. H. Refoy, Atlantic Air Survey Company Limited, Dartmouth, N. S.

S. E. Daykin, Atlantic Air Survey Company Limited, Dartmouth, N. S.

O. H. Pulsiver, Atlantic Aviation Limited, Halifax, N. S.

Arthur Farmer, Atlantic Aviation Limited, Halifax, N. S.

John Skinner, Atlantic Aviation Limited, Halifax, N. S.

G. W. Slipp, Kelvin & Hughes (Canada) Limited, Halifax, N. S.

T. F. Black, Kelvin & Hughes (Canada) Limited, Saint John, N. B.

MONDAY, NOVEMBER 16th, 1959

The Ninth Annual Meeting opened at 10:25 a.m. with the address of welcome by President Herbert Martell.

PRESIDENT MARTELL'S OPENING ADDRESS:

Gentlemen:

It gives me great pleasure to welcome you to our Ninth Annual Meeting. I hope you will get some pleasure and that our meeting will give you some ideas of our profession which you may use in the future.

We have many distinguished guests in our midst and they will be introduced to you, and you will be hearing from them as part of our program. I know you will enjoy their contributions.

This past year was a very eventful one for our Association mainly due to the fact that after much work on everyone's part our Surveyor's Act has been passed by Legislation and is now in force having come into effect in October, 1959. May I say that all our committees and Council Members worked long hours and made many sacrifices to get our Bill through. Many nights and days were spent on this project and the sudden changes in developments made it much more difficult. Meetings had to be called at the oddest times and without warning. I know that many important matters had to be dropped by our Council Members and committees to attend to matters pertaining to our Bill. I have had many calls informing me that the Halifax members had to call emergency meetings in order to rephrase some clause or change and alter some portion. We owe these gentlemen a tremendous vote of thanks. I could go on about this for some time but we must give special mention to our Past President, Spencer Ball, to Rusty March, Freeman Tupper, Walter Servant, Major James A. H. Church, H. B. Robertson, and our legal representative, Mr. MacInness, all Members of Council and any others who have helped us along what turned out to be a rather rocky road.

Most of you recall that there was some objections to allowing our Bill to go through; some editorials, etc., against it, and you will recall that we had to appear before an open session of a hearing of the Legislature and at that session we guaranteed to police our Provincial Land Surveying Practise. Let me warn any practising surveyor that should he sign his name to any shoddy work he will find himself in trouble with our Association. There has to be an upgrading of all our survey work.

Time does not permit me to go too much in detail about our new Act. I am sure Spencer Ball or Mr. MacInness will be able to answer any questions you may have about our Act. At this point may I say that if you have any special business or problems which you would like to have brought up at the Annual Meeting, please submit them to our Secretary in writing as soon as possible and we will discuss them as time permits.

Our Vice-President attended the New Brunswick Association Meeting. Spencer Ball attended the meeting on Survey Education (you will have his report on this on Tuesday). Rusty March and Major Church attended the Massachusetts Institute of Engineers and Surveyors in Boston. I had the honour of attending the Newfoundland Surveyor's Annual Meeting. While there I was the guest of Col. Sid Willet, to whom I owe a great deal of thanks. My impressions of that visit would be summed up as follows: Though their membership is small they are a tightly knit unit. Their problems are similar to ours. A great deal of town planning exists in St. John's, and their efforts certainly show results. They are going to hold firmly to their policies and they do not want fly-by-night surveyors in their territory. I received a warm welcome and would like to express my appreciation.

I also had the pleasure of attending the Fifty-second Annual Meeting of the Canadian Institute of Surveying at Ottawa. This meeting is well worth attending. Surveyors from all of Canada, the U.S.A. and other Countries gather to discuss surveying. Many papers were delivered. All are printed in their quarterly magazine and I would advise all surveyors to join this organization. Fees are only Five Dollars per year and their issues of the Canadian Surveyors are worth more than that. Among the better papers was the one delivered by Mr. W. D. Mills, on the Nova Scotia Survey Institute.

I will just quote the proceedings at this point:

WEDNESDAY — Registration and Exhibits; Visiting Delegates, Each Provincial President introduced the men from his Province; Cartography, Mr. E. D. Baldock, Talk on the World Wide Conference at Norway; N. S. Survey Institute, Mr. W. D. Mills; Panel on Town Planning; Reception;

THURSDAY — Guaranteed Titles in Ontario; Photogrammetry, For legal surveys; Interpreting Air Photography; Annual Luncheon, Presentation to Mr. R. D. Davidson, D. L. S. for his work in connection with Fiftieth Anniversary of flight in Canada; Dance;

FRIDAY — Surveying, Oil Industry; Forestry in British Columbia; Education of Surveyor, Laval University; Over Fifty Luncheon; Atlas of Canada; Modification of Tellurometer; Installation of New Officers;

I will say many thanks to Mr. S. G. Gamble, Past President, and to Mr. Armand Dumas, M.P., Q. L. S., President, for a job well done.

I bring these matters to your attention for several reasons, one being that our meetings are on a par with any in Canada, and to show how much is covered in your surveying field. We must push ourselves to keep this pace; also to show you that our members are in touch with other Provinces in Canada in the survey field.

I realize that I should probably go into much more detail but time does not permit; however I have this much more to say. We have our Act but this is only half the battle; we have many things to put in order, examinations, control of organization, etc. I only hope our new officers will give as good support to our new President as has been given to me. At this point I must thank Mr. R. E. Millard, managing editor of the "Nova Scotian Surveyors". I would ask that more contributions find their way into his hands. Please co-operate in this matter.

May we extend welcome to the ladies, and to the Exhibitors who contribute so much to the success of our meetings. We have with us a new Company which is exhibiting for the first time. I am referring to Atlantic Air Survey Company Limited, who have just recently began operations in this area. They are the first Air Survey Company in the Maritimes. We wish them much success in their venture.

President Martell then asked the meeting for one minute silence in memory of deceased members:

Ernest Wade, P. L. S., of Digby.

Sir Yorke Barrington, P. L. S., of North Sydney.

In conclusion President Martell thanked the members for giving him the opportunity of serving as their President, and expressed the hope that the years deal kindly with our organization.

President Martell then informed the meeting that we have now come to the time of our meeting when we introduce our visitors, and welcome them to our Meeting. He then said that it is with pleasure that he introduces Mr. Robert Thistlethwaite, Dominion Land Surveyor, Surveyor General of Canada, and Vice-President of the Canadian Institute of Surveying, of Ottawa, Ontario.

Mr. Thistlethwaite then thanked the President and the Members for the invitation to attend this Ninth Annual Meeting and expressed his best wishes for successful meeting. He said that he brought greetings from the Canadian Institute of Surveying. He then referred to the colloquium on Survey Education, held in Ottawa, October 29th and 30th of this year, and which was attended by Col. Ball, Mr. March, Prof. Chisholm and Major Church. He said that this had been a very interesting event, and the standout accomplishment of the Institute. He said that plans for the next Annual Meeting of the Institute are going forward, and hoped for a large attendance from Nova Scotia, as well as from all other Provinces. He said that he had been requested by several members of our Association, who are on his staff in Ottawa, to bring their regrets

that they are unable to attend this meeting, and that he brought their best wishes for a most successful Annual Meeting.

President Martell then thanked Mr. Thistlethwaite for his most kind remarks. He then introduced Mr. James Canning, President of the Association of Newfoundland Land Surveyors.

Mr. Canning thanked the members for the opportunity to attend this Ninth Annual Meeting. He said that he had been here last year, and that he had enjoyed the meetings. He said that he brought greetings from the Newfoundland Association, and said that he had been asked to pass on their congratulations on the passing of our new Act. He then extended an invitation to all members of this Association to attend their first convention to be held in January in the Newfoundland Hotel, St. John's.

President Martell thanked Mr. Canning, and assured him that a representative of this Association would be present at their Convention in January. He then introduced Mr. R. F. Mucklestone, President of the Association of Ontario Land Surveyors.

Mr. Mucklestone said that he brought greetings on behalf of the Association of Ontario Land Surveyors, and that he wished to offer his sincere thanks on behalf of Mrs. Mucklestone and himself for the invitation to attend this Ninth Annual Meeting. He said that they were both happy to be here again this year. He also said that he wished to congratulate the Association on the passing of our Act.

President Martell thanked Mr. Mucklestone and assured him that we were pleased to have he and Mrs. Mucklestone with us again this year.

President Martell then introduced Mr. G. W. Lacroix, Officer-in-charge, Eastern Division, Canadian Hydrographic Service.

Mr. Lacroix expressed thanks for the invitation to attend this meeting. He said that he was new to this coast, that he had just recently arrived from British Columbia. He said that he wished the Association success in the coming year.

President Martell thanked Mr. Lacroix and said that he welcomed him to Nova Scotia. He then introduced Mr. Lester C. Higbee, President of W. & L. E. Gurley Ltd, and a Past President of the American Congress on Surveying and Mapping.

Mr. Higbee said that he brought greetings from the American Congress on Surveying and Mapping, and extended an invitation to the members of this Association to attend their Annual Meeting in Washington in March. He said that he is chairman of the professional status committee that is trying to define the definition of the Surveyor. He said that the Engineering profession are also working towards the same answer. He thanked the members for the invitation extended to Mrs. Higbee and himself to attend this meeting. He said that they had both enjoyed being here last year, and that Mrs. Higbee regretted that she was unable to be here again this year. He said that they had just returned from Europe, and that he had been sent as a delegate to attend survey meetings in Poland.

President Martell thanked Mr. Higbee and assured him that we were very pleased to have him back with again this year. He then introduced Mr. A. W. McLaughlan, Assistant Director of Surveys, Department of Lands and Mines, Fredericton, N. B.

Mr. McLaughlan thanked the members of the Association for the invitation to attend this meeting. He said that he had been charged by Willis Roberts to inform the members that he had enjoyed attending the meeting last year, and that he regretted that he was not able to be with us again this year.

President Martell thanked Mr. McLaughlan and told him that we were looking forward to hearing his paper on the New Brunswick co-ordinate system. He then introduced Mr. O. R. Stillwell, also of the Department of Lands and Mines, Fredericton, N. B.

Mr. Stillwell thanked President Martell and said that he was glad to be here to renew old friendships and make new ones. He said that he brought best wishes from the field staff of the Survey Branch of the N. B. Department of Lands and Mines.

President Martell thanked Mr. Stillwell. He then introduced Mr. F. C. Woods, President of the Association of New Brunswick Land Surveyors.

Mr. Woods thanked President Martell, and the members for the invitation to attend this Ninth Annual Meeting, and said that he brought best wishes from the New Brunswick Land Surveyors Association.

President Martell thanked Mr. Woods. He then asked if there were any other visitors present that he had overlooked.

Mr. Llewellyn Schofield then introduced himself.

President Martell then introduced Mr. Llewellyn T. Schofield, Past President of the Massachusetts Association of Land Surveyors and Civil Engineers.

Mr. Schofield thanked President Martell and the members of the Association for the invitation, and that he was pleased to be here to attend another Annual Meeting of this Association. He said that he would like to congratulate our Association on the passing of our new Act. He said that they in Massachusetts had also obtained an amendment to their Act during the past year, and that they, the same as here in Nova Scotia find themselves with many problems to be solved.

President Martell thanked Mr. Schofield, and reminded him that he is always welcome at our meetings.

President Martell then called on the Secretary-Treasurer for the Minutes of the last Annual Meeting.

The Secretary informed the meeting that the minutes of the last Annual Meeting had been published in "The Nova Scotian Surveyor", and moved that they be adopted as printed.

Seconded by Mr. A. F. Chisholm. Motion carried.

President Martell then called on the Secretary-Treasurer to read the Financial Report for the past year.

The Secretary informed the members that the Financial Report had been audited by Freeman Tupper, and R. M. Schofield, and that printed copies of that report had been distributed to all present, and moved that the Financial Report be adopted as printed.

Seconded by A. F. Chisholm. Motion carried.

President Martell then called for the report of the scrutineers.

The Secretary informed the meeting that Mr. Robert Gough, and Mr. E. P. Rice had acted as scrutineers, and that the Ballots had been opened on November 12th, and that at that time the ballots in the Halifax County area, and the Cape Breton area had been very close, and since the counting of the ballots several more have been received, and if they were included in the count it would mean changes in both the Halifax County and Cape Breton Areas.

President Martell asked the members for their opinions on this matter.

Col. Ball said that he feels that we should adhere to the deadline set when the ballots were sent out.

It was the opinion of the members that the deadline set when the ballots were sent out should be adhered to.

Mr. Millard made a motion that we hold to the deadline as set when the ballots were sent out.

Seconded by Major Church. Motion carried.

The Secretary then read the names of the members elected to serve on the Council for 1960.

President: Walter E. Servant, Halifax, N. S.

Vice-President: Donald L. Eldridge, Truro, N. S.

Secretary-Treasurer: H. B. Robertson, Halifax, N. S.

Halifax City Area: A. F. Chisholm, Halifax, N. S.
 Halifax City Area: John A. McElmon, Halifax, N. S.
 Halifax County Area: J. F. Archibald, Dartmouth, N. S.
 Halifax County Area: John Fiske, Halifax, N. S.
 Western Section: Errol B. Hebb, Bridgewater, N. S.
 Western Section: Donald Wagstaff, Brooklyn, N. S.
 Eastern Section: A. Howard Murray, Earltown, N. S.
 Eastern Section: J. Ronald Chisholm, Antigonish, N. S.
 Cape Breton Area: John E. MacKenzie, Glace Bay, N. S.
 Cape Breton Area: Earl J. Verner, Sydney, N. S.

President Martell then called for the report of the Secretary-Treasurer.

REPORT OF THE SECRETARY-TREASURER

Mr. President, Guests, and fellow members:

The past year has been a busy one, and one during which much has been accomplished.

The highlight of the year has been the passing of our Bill, and the incorporation of the Association in the Provincial Land Surveyors Act. Copies of this Act have been mailed to all members, with the exception of a few whose address is not known.

We now have two hundred and fifty surveyors listed as members of our Association. Three of these are Honorary Members. One hundred and eighty three are paid up members in good standing. Seventeen have not paid their 1959 dues. Twenty one still owe for the 1958, 1959 dues, six still owe for 1957, 1958, and 1959, and eighteen still owe for 1956, 1957, 1958, and 1959.

Eight new members joined the Association in 1959.

Five meetings of the Legislation Committee, and the Council were held during the year.

The Committees on By-laws, and Ethics, and the Committee on the recommendations for the revision of the Regulations have also been busy.

The heavy expenditures during the year has left our finances in a somewhat low condition, but we hope that this will improve during the coming year.

I would like to take this opportunity to thank the Council and all the members for their co-operation and understanding during the past year.

I would also like to thank the Exhibitors and the Hotel Management for their co-operation.

President Martell then called on Mr. Ted Hollingum to give a report on the first reunion of the alumni of the Nova Scotia Land Survey School.

Mr. Hollingum informed the meeting that the graduates of the Nova Scotia Land Survey School have formed a alumni. The first reunion of this alumni was held earlier this month in Lawrencetown. Many of the former students, including some from the British West Indies attended the reunion. A special presentation was made to Major Church.

President Martel informed the meeting that the next item on the agenda was the Notice of Motion by Mr. Eldon Adams, that the Annual Membership fees be increased to ten dollars per year with the initial membership dues remaining at ten dollars, and that there will be an extra charge of two dollars for each membership certificate.

As Mr. Adams was not present during the morning session it was decided to hold this matter until later in hopes that he would be present.

Mr. A. B. Grant of the Canadian Hydrographic Service then identified himself, and asked the members to give their consideration, and thought to the forming of a Halifax Branch of the Canadian Institute of Surveying.

Mr. March said that he would like to endorse Mr. Grant's proposal, and that we should act now to get a start on the formation of a Halifax Branch. He said that he would be in favour of a Provincial Branch but did not know how this could be arranged.

Major Church said that he would like to endorse the last two speakers.

Mr. A. W. McLaughlin said that they have recently formed a Fredericton Branch, and that it has been very successful. He said that they are finding a much wider field. He said that the Branch had been formed by the Land Surveyors taking the lead, but that they are now being joined by other professions.

Mr. Bates made the motion that the new Executive form a committee to investigate the matter of the Halifax Branch of the Canadian Institute of Surveying, and report their findings to the Council. If the Council feels it is time to move they should do so.

Prof. Chisholm said that he does not feel that the Association should organize a Branch of the Canadian Institute of Surveying. He said that he is a member of the Canadian Institute of Surveying, and that he would welcome a branch for this area, but does not think that it is for the Association to organize a Branch.

Mr. Irwin Cameron said that he would second Mr. Bate's motion. Motion carried.

President Martell asked Mr. J. R. March to take over the Chairmanship of the Committee to investigate the forming of a Halifax Branch of the Canadian Institute of Surveying, and to report their findings during Tuesday afternoon business session.

Mr. March agreed to do so.

President Martell then adjourned the meeting for a fifteen minutes break.

The meeting resumed at 11:45 a.m.

President Martell said that he would like at this time to introduce Mr. Charles Reardon, Planning Engineer for the Municipality of the County of Halifax.

Mr. Reardon said that he thanked President Martell and the members of the Association for the opportunity to speak, and said that he would like to discuss the possibility of a standard monument that could be accepted by the Association, and the County Planning Board. He said that he was willing to meet with the Council of the Association to discuss this matter.

President Martell then called on Col. Spencer Ball, Chairman of the Committee on By-laws to report on the findings of his Committee.

Col. Ball then made reference to the copies of the By-laws that had been distributed among the members at the beginning of the meeting. He explained that clause (3) which refers to the membership fees should be held over until Mr. Adams arrives. He asked the members to consider the By-laws, and asked for their comments.

Mr. Irwin Cameron said that in the future all nominees for Council should be approached, and their consent to serve obtained before their names are put on the list of nominees for election to the Council.

Mr. Gray asked if it is the intention to vote on these By-laws at this meeting.

President Martell said that it is the intention to discuss the By-laws during this morning's session, and then refer them to the final business meeting for approval.

Mr. Eldridge pointed out that there is no provision in the By-laws to provide for payment of an honorarium to the Secretary-Treasurer. He said that he feels this should be incorporated in the By-laws.

Prof. Piers said that he agreed with Mr. Eldridge.

President Martell said that the amount of the honorarium should be left to the Council.

The Secretary said that he had not taken out the honorarium for 1958 because of the lack of funds in the Association account at this time.

Prof. Chisholm said that this should strengthen Mr. Adam's motion that the membership fees be increased.

Mr. Gray asked if page 1, section 1, which reads "To be entitled to registration as a member of the Association", should not be changed to read, "To be entitled to registration as an active member of the Association".

Mr. Crawley said that he also wished to refer to the same section, and asked if "authorization to practice" should not be changed to "qualified to practice".

Mr. Gray said that he feels that the members should have had the proposed By-laws in advance so that they could have had more time to study them. He said that in this way the members would be better prepared to discuss these By-laws.

Mr. Millard said that he feels that "authorized" is all right. He said that in his opinion a person must be qualified before he is authorized.

Mr. Dickie asked for a discussion on Section 4, under membership. He said that the matter of members who are in arrears in their membership dues should be cleared up. He said that he was in favour of enforcing the Act.

Col. Ball said that he was in favour of leaving the By-laws as they are so that a member may pay up a portion of his back dues and still be allowed to practise.

The question was then asked if the Honorary, and Life Members should be required to pay the membership fee.

Major Church said that it would ill become us to appoint Honorary or Life Members, and then require them to pay dues in the Association.

Mr. Millard said that he feels that Honorary Members should not have a vote on the business of the Association.

Col. Ball said that he feels that Life Members should have full privileges of the Association, and should not be required to pay membership fees in the Association.

Mr. Foster said that he does not feel that we should have Honorary Members unless they are Provincial Land Surveyors. He said that this could be abused if carried on.

At 12:30 p.m. President Martell advised the meeting that it was now time to adjourn for lunch, and asked the members to meet again at 2 p.m. when an interesting film would be shown.

President Martell called the meeting to order again at 2 p.m., and the members and guests were shown a very interesting film, entitled "Mapping the Efficient Way".

At the completion of the film President Martell thanked Mr. Doug Peden, and Mr. Murray Lyon for providing this interesting film which added to the success of the meeting.

President Martell then introduced Mr. Robert Thistlewaite, D.L.S., Surveyor General, Legal Surveys and Aeronautical Charts, Surveys and Mapping Branch, Department of Mines and Technical Surveys who then presented a most interesting paper on the "Legal Surveys, and Aeronautical Charts Division".

President Martell then thanked Mr. Thistlethwaite for his most interesting paper. He then informed the meeting that there was still a few minutes remaining for a brief business meeting before it was time to adjourn for the day.

Mr. Reardon, Planning Engineer for the Municipality of the County of Halifax asked if he could have a few minutes to add to what he had said in the morning regarding monuments.

President Martell informed Mr. Reardon that any comments or suggestions would be most welcome.

M. Reardon said that there is a tremendous amount of surveying being carried out in the County of Halifax. He said that with the exception of one or two cases, no monuments, or permanent markers are being constructed. He said that the Planning Board feels that this is not fair to the person paying for the work, or for future surveyors who may be required to re-survey these properties. He said that there should be regulations covering the number of monuments that must be set in each subdivision. He said that the Planning Board is willing

to co-operate in this matter. He said that the planning board could if requested, keep a record and assign numbers for each monument. He said that the Planning Board would like to see a standard type of monument, and not eighty or ninety types, and that he feels that there should be a central place for records to be kept. He said that the Association should consider the type of monuments, and decide on the type to be used.

Following a brief discussion on Mr. Reardon's proposals, President Martell informed the meeting that it would be necessary to adjourn until 9:30 a.m. Tuesday, November 17, as it is necessary that the room be cleared in order that preparations may be started for the Annual Dinner which is to be held in this room at 7 p.m.

The meeting then recessed until 9:30 a.m., Tuesday, November 17, 1960.

TUESDAY, NOVEMBER 17, 1959

The meeting was again called to order by President Martell at 10:00 a.m. He then introduced Mr. W. D. Mills, Director, Vocational Education Division, Department of Education who then presented a most interesting paper on the Nova Scotia Land Survey Institute.

(Mr. Mills' paper was published in the June 1960 "N. S. Surveyor".)

At the conclusion of his paper, Mr. Mills was thanked by President Martell for his most interesting paper, and President Martell assured Mr. Mills that the Association will stand behind the Nova Scotia Land Survey Institute.

Col. Ball said that we should not forget the devotion of Major Church in the formation of the school.

Major Church said that it has been a co-operative scheme from the beginning, and if he had accomplished anything it was because of his mean disposition, and a hatred for a sloppy job.

President Martell next introduced Mr. A. W. McLaughlin, Assistant Director of Surveys, Department of Lands and Mines, Fredericton, N. B. who then presented a most interesting paper on "The New Brunswick Co-ordinate System".

(Mr. McLaughlin's paper was printed in the March 1960 "N. S. Surveyor".)

President Martell thanked Mr. McLaughlin at the conclusion of his paper, and said that he felt sure that many of those present would like to ask a few questions relating to the project.

Mr. March asked Mr. McLaughlin if they, in New Brunswick, expect changes in their Registry Act as a result of their new system of co-ordinates.

Mr. McLaughlin said that they do expect changes to be made in the Registry Act as a result of the co-ordinate system.

Mr. McLaughlin then showed slides of the various stages of the system with special interest being the Tellurometer Traverse.

Major Church said that he had enjoyed Mr. McLaughlin's paper, and that he personally was envious of New Brunswick for the head start that they have in setting up their co-ordinate system.

President Martell then called upon Col. Spencer Ball for his report on the Colloquium on Survey Education, which was held in Ottawa on October 29th. and 30th, 1959.

Col. Ball presented a report on the Colloquium on Survey Education.

(Col. Ball's Report was printed in the December 1959 "N. S. Surveyor".)

President Martell thanked Col. Ball for his most interesting report on the Colloquium on Survey Education. He then asked the members if they have any comments or questions regarding Col. Ball's report.

Mr. A. M. Foster said that he would like to make a motion of thanks to the last three speakers for their most interesting papers and reports.

Seconded by Major Church. Motion carried.

President Martell then asked for a motion of thanks to Mrs. March for the most excellent entertainment provided for the ladies of this Ninth Annual Meeting.

Mr. Millard said that he would like to make a motion that a letter of thanks be sent to Mrs. March for the wonderful way she has taken care of the ladies attending the Ninth Annual Meeting.

Seconded by Lyndon Gray. Motion carried.

Mr. Gray said that he was disappointed at the lack of publicity in the local press regarding their Ninth Annual Meeting. He suggested that a publicity committee could be formed to look after such matters.

Col. Ball informed Mr. Gray that the Halifax Mail Star had been contacted.

Mr. Servant informed the members that he had contacted the local paper but due to the very bad weather, and to the serious flooding in some parts of the City they had not been able to send a reporter to attend yesterday's meetings. He said that the meeting had been covered by the C.B.C. for television news. He said that there will be a write up in this afternoon's paper. He said the paper had apologized for not getting here yesterday.

President Martell then asked the members if they had anything to bring up in connection with the colloquium on Survey Education.

Dr. Meyerhof of the Department of Civil Engineering, Nova Scotia Technical College, asked if anything was mentioned at the meeting in Ottawa of how funds would be obtained for the modern scientific instruments which would be required for a degree course in surveying and photogrammetry.

Col. Ball said that the question of costs was brought up. Because of the cost of setting up such a course, only a few Universities could be set up to give a complete degree course in surveying, but it was felt that all Universities could give more grounding in the basic principles. He said that they did not suggest that every University should present a Photogrammetric Degree.

Prof. Chisholm said that he has also attended the colloquium. He said that it was brought out at that meeting that the Surveys and Mapping Branch, Department of Mines and Technical Surveys have discovered that the engineering-physics graduate and not the engineer is the most suitable candidate for this type of surveying.

President Martell then advised the meeting that it was past time for noon recess, and asked the members to be on time for the opening of the afternoon session.

Mr. Dickie reminded the meeting that we still have a lot of business to attend to, and asked if we could meet at 1:30 p. m. instead of at 2:00 p.m. as previously intended.

It was agreed that the meeting recess until 1:30 p.m.

President Martell again called the meeting to order at 1:45 p.m. He then read the list of members of the new Council and asked each one who was present to stand as his name was read. He then turned the meeting over to the new President, Mr. Walter E. Servant.

President Servant then thanked the members for electing him as their President for the coming year.

President Servant said that we have now come to the final business meeting before the meeting closes. He reminded the members that the first item to be dealt with was Mr. Adams Notice of Motion that the annual fees be increased from six dollars to ten dollars a year.

Mr. March said that he feels that we have to raise the dues and that he is going to vote for it.

President Servant said that he did not think that Mr. Adams was present at this time.

Mr. Nicholson said that Mr. Adam's notice of motion had stated that there would be an extra charge for the Certificate of Membership. He asked if the present members will be required to pay this extra charge.

President Servant advised Mr. Nicholson that the present members will not be required to pay the additional charge of two dollars for the Certificate of Membership.

Prof. Chisholm made a motion that the dues be increased from six dollars a year to ten dollars a year, and that there shall be an additional charge of two dollars for each membership certificate issued. The two dollars charge for each certificate of membership to become effective on January 1 1960, and that the initial membership fee shall remain at ten dollars.

Seconded by Mr. Eldridge. Motion carried.

President Servant then called for a discussion on the proposed By-laws.

Mr. March said that he did not approve of clause (a) of the Code of Ethics. He said that a surveyor should not be required to carry on his work in a spirit of fidelity to his employer. He said that in all cases the employer may not be in the right.

Mr. Millard asked if he could omit the wording "to his employer".

Mr. Eldridge asked if it is necessary that our By-laws be approved by the Governor-in-Council.

President Servant reminded Mr. Eldridge that this is necessary under our new act.

Mr. Martell asked if we should not leave the phasing of our By-laws and Code of Ethics to a legal mind.

Mr. March said that we are not moving fast enough. He said that of the first of October we have been a professional organization. He agreed with Mr. Martell that legal council is required.

Mr. Nicholson said that he would prefer to see the wording professional surveyor instead of practitioner.

Major Church made a motion that the section of the By-laws pertaining to membership be adopted as printed, with the exception that article 3 shall be amended to include the motion previously passed with regards to the membership fees.

President Servant then reminded the members that some consideration should be given to those members who are not residing in this Province, and are therefore not engaged in Land Surveying. He said that this had been discussed among some of the members and it was felt that by raising the dues to ten dollars we would stand to lose some of those members.

Mr. March said that we should deal with this matter, and that we should be careful not to lose those members from outside of the Province.

Mr. Eldridge asked about the members living in New Brunswick, who occasionally cross over to this Province to do surveying.

President Servant said that these members will be required to pay the full membership fees.

Mr. C. S. Creighton said that there was no provision for people such as himself, who were retired, and were no longer engaged in surveying. He said that he liked to be here and to keep in touch, but felt that ten dollars was too much for him to pay.

President Servant said that probably such members who are now retired, and no longer active could be made life members, and as such would be exempt from paying membership fees.

Mr. McLaughlin said that in their Association, in New Brunswick, they have life membership for members who have been practising for thirty five years.

President Servant asked Major Church if he would amend his motion, so that provisions could be made for non-practising members.

Major Church said that he would be glad to make an amendment to his motion to also include provisions for a non-practising list for members who are not residing in this Province, and who will not be practising land surveying in this Province. Persons on the non-practising list shall not be required to pay the full membership fees.

Seconded by Mr. March. Motion carried.

The Section of the By-laws relating to the Council was then discussed.

Prof. Chisholm moved that the section of the By-laws relating to the Council be approved in principle.

Seconded by Mr. Dickie. Motion carried.

Mr. Eldridge said that there are no provisions made in the proposed By-laws or in our Act to provide for an honorarium to the Secretary-Treasurer. He said that this should be incorporated in the By-laws with the amount to be decided by the Council.

Prof. Piers made a motion that a clause be included in the By-laws providing for an honorarium, the amount to be decided by the Council, shall be paid to the Secretary-Treasurer.

Seconded by Mr. Eldridge. Motion carried.

Prof. Chisholm moved that the Section on Meetings, and Order of Business be approved as printed.

Seconded by Mr. Wagstaff. Motion carried.

Mr. Millard moved that the Section on Code of Ethics be adopted as printed, and that it shall be screened by legal council before final adoption.

Seconded by Mr. Dickie. Motion carried.

Mr. Dickie then raised the question of those members who are behind in their dues. He asked about those members who have not paid their dues for several years, and if they may still be considered members of the Association.

Mr. Murray said that the new Act was unfair in the respect that any Provincial Land Surveyor who was not a member of the Association at the time of the passing of the Act, is not required to join, and may still practise, but a surveyor who was a member before the passing of the Act, must remain in the Association, and is not entitled to practise unless he is a paid up member in good standing.

President Servant said that is correct, but that all new surveyors receiving their Certificates since the passing of the Act must become members of the Association before they are entitled to practise.

Col. Ball explained that this was forced upon us by the Legislature. He said that every case will be different, and we will have to be careful and take in all details.

Major Church said that he feels that anyone who has not paid up his dues for several years can no longer be considered as a member of the Association.

Mr. Bates made a motion that the matter of members who are behind in their dues shall be left in the hands of the Council to take up each case on its own merits.

Seconded by Mr. March. Motion carried.

President Servant then asked the members to take up the proposed Regulations

Mr. March reminded the members that the Board of Examiners make the Regulations, and that these were only meant as suggestions to assist them in the preparation of the Regulations. He asked for suggestions from the members to add to those already prepared by the Committee.

This matter was discussed briefly, and it was decided that the existing committee should carry on with the job in hand.

Mr. March asked if the examinations and apprenticeship should be incorporated in the By-laws or in the Regulations.

Mr. Gray said that the Regulations are for the direction of all Surveyors, and should include the examinations and apprenticeship, and that the By-laws are only for the use of the members of the Association.

Mr. Martell said that the Association should consider setting up a committee to consider the Land Titles Act as a replacement for the existing Registry Act.

Mr. March said that this committee should also include the setting up of a co-ordinate system.

Mr. Mucklestone said that they are using both systems in Ontario. He said that the Land Titles System is only as good as the basic survey, and that they are now seeing the need for a co-ordinate system.

Mr. Eldridge moved that the Council appoint a committee to study the Land Titles Act, and a co-ordinate system similar to that being set up in New Brunswick, and report back to the next Annual Meeting.

Seconded by Prof. Piers. Motion carried.

President Servant then reminded the meeting of Mr. Reardon's proposal that the Association work with the Planning Board towards the establishment of a standard monument.

Mr. March said that he feels this to be a wonderful opportunity, and asked Mr. Reardon if he had anything further to add on this subject.

Mr. Reardon said that the Board would rather leave the choosing of the type of monument to the Association. He said that if he made one up, not everyone would agree to it. He asked Mr. Mucklestone what they use in Ontario in the way of a standard monument.

Mr. Mucklestone said that they do not actually have a standard type of monument. He said that their Registry Act requires standard monuments to be used. He said that they may be different types of monument, but that the standard form of monument cannot differ from specified types. He said that every stake planted by a surveyor must be marked with the Surveyor's Registry Number. He said that there is a tendency on the part of most surveyors to have standard monuments adopted. He said that they want the general public to realize that the monument was set by a surveyor. He said that concrete monuments are not used by other than the Highways, or Government agencies.

Mr. March said that the Department of Lands and Forests use an iron post with an aluminum cap, but that this post is not practical for city work, and that they are quite expensive.

Prof. Piers said that one of the troubles here in the Halifax area is the rock soil.

Mr. Mucklestone said that they have the same situation in the area where he practises in Ontario. He said that on ordinary surveys where standard monuments are required, and the area is rocky, a modified chain saw, with a diamond drill attachment is used, and that they find it very effective. He said that it is the most satisfactory equipment he can get. He said that it costs about \$300.00, using a standard diamond drill at \$27.00, He said that the drill is returnable to the manufacturer with at least 50 percent return. He said that he has found sulphur best for setting monuments.

Col. Ball moved that a committee be appointed by the Council to look into the matter of standard monuments.

Seconded by Mr. March. Motion carried.

President Servant asked if there was any more business to come before the meeting. He reminded the members of the Council that a meeting of the Council will be held at the close of the meeting.

Mr. Bates moved that the Ninth Annual Meeting be adjourned.

Seconded by Prof. Piers. Motion carried.

President Servant declared the Ninth Annual Meeting closed at 4:15 p.m.

ASSOCIATION MEMBERS!!

1960 DUES ARE NOW DUE

SEND MONEY ORDER, addressed to Secretary-Treasurer
The Association of Provincial Land Surveyors of Nova Scotia
P. O. Box 1541, Halifax, N. S.

Minutes of Meeting of the Council

held in the Association Room, Y.M.C.A., 187 South Park Street, Halifax,
Nova Scotia, February 23rd, 1960.

Members present: Walter E. Servant, President; Donald L. Eldridge, Vice-President; Herbert Martell, Past President; Prof. A. F. Chisholm, John A. McElmon, John R. Fiske, Joseph F. Archibald, Errol B. Hebb, Donald E. Wagstaff, A. Howard Murray, Earl J. Verner, Col. Spencer Ball, J. E. R. March, H. B. Robertson, Secretary-Treasurer.

President Servant called the meeting to order at 2:45 p.m. He then welcomed Mr. Earl Verner to the meeting and introduced him to the other members of the Council.

President Servant reminded the members that copies of the minutes of the last meeting had been mailed to each of the members of the Council, and called for a motion that the minutes be adopted as printed.

Col. Ball moved that the minutes of the last meeting be adopted as printed. Seconded by Mr. March. Motion carried.

President Servant then called for a report on the finances of the Association.

The Secretary informed the members of the Council that the Bank Balance on January 31, 1960 was \$202.23 and that since then several cheques have been issued, and that we have on hand and ready for deposit \$75.00 so that our Bank Balance at the present time stands at just over \$200.00. The members were informed that this amount is not nearly enough to cover our debts at the moment.

The Secretary informed the meeting that a notice of the increased membership fees, and bills to those members who have not paid their dues for this year would be going out with the next issue of the Nova Scotia Surveyor, and would be in the mail within a few days. He said that only a very small percentage of the membership have paid their dues for 1960, but that once these notices have gone out we can expect a very good return of membership dues.

Mr. Eldridge asked what was being done about members who are not residing in Nova Scotia, and who will not be practising land surveying in this Province.

The Secretary informed Mr. Eldridge that a notice informing these members that they may make application to apply to be placed on the non-practising list and that the Annual Dues for members on this list will be \$5.00 per year instead of \$10.00 for the Active Members.

Mr. Martell said that he would like to see Mr. John E. MacKenzie made a life member of this Association. He said that Mr. MacKenzie is now retired, and that he has been made a life member of the Association of Professional Engineers, and that he would like to have the Council consider the possibility of granting Mr. MacKenzie life membership in this Association.

President Servant asked Mr. Martell to write up a report on Mr. MacKenzie, and submit it to the next meeting of the Council. He reminded Mr. Martell that an application for life membership must have the unanimous approval of the Council, and be passed by a majority of the members present at an Annual Meeting.

Prof. Chisholm informed the meeting that the Association of Professional Engineers of Nova Scotia had recently sent our questionnaire to their members and that one of the questions asked was if they had a commission as a land surveyor, either as a Dominion or a Provincial Land Surveyor. He suggested that we contact the Secretary of the Association of Professional Engineers and get the names of their members who are also surveyors.

President Servant then called on Mr. Eldridge to give a report on the New Brunswick Annual Meeting which was held in Fredericton in January, which Mr. Eldridge had attended as a representative of the Association.

Mr. Eldridge informed the meeting that he would be writing up a report and would submit it at the next meeting of the Council and apologized for not having the report ready for this meeting.

President Servant informed the members of the Council that he had intended to attend the Annual Meeting of the Newfoundland Land Surveyors Association which was held in St. John's, Newfoundland at the same time as the meeting of the New Brunswick Association in Fredericton. He said that he had been as far as the airport, but that he had been forced to return home because of bad weather at St. John's. He said that he was sorry that he had missed this meeting, and that from all reports it had been a very successful one.

President Servant then informed the members of the Council that he, along with Mr. March, and Mr. Robertson, and Major Church had attended the Fifty-third Annual Meeting of the Canadian Institute of Surveying, held in Ottawa on February 10, 11, and 12, and that he and Mr. March had also attended the Sixty-eighth Annual Meeting of the Association of Ontario Land Surveyors, which was held in Hamilton on February 15, 16 and 17. He said that he is pleased to report that the Canadian Institute of Surveying has honoured Major Church at this year's meeting by making him a Life Member of the Institute.

President Servant said that he had found these meetings most interesting. He said that he had attended the legal surveys discussion group at the Ottawa Meeting. He said that the theme of this year's discussion was the co-ordinate system. He said that during this discussion many questions were raised such as:— Do we need a co-ordinate system? If so, who needs them?, and should we have a Dominion wide system? He said that New Brunswick is now in the process of setting up their own co-ordinate system, and that some of the delegates from the other Provinces were of the opinion that there should be one uniform system of co-ordinates for the whole country. He said that after such discussion no one was able to come to a conclusion on the system which would best serve the whole country. He said that New Brunswick had considered using the Universal Transverse Mercator, but because the overlap of the two zones came in or near the center of the Province this system was not adopted. They also considered setting up a special Transverse Mercator system which would include the entire Province in one zone, but because of certain errors in this system it was decided to drop the Transverse Mercator system, and they then adopted the Sterographic Projection for their co-ordinate system.

Mr. March said that he does not see why each Province could not have their own system of co-ordinates. He said that each Province has a different set of laws pertaining to surveying and registry of land.

President Servant said that he feels that it would be desirable to have one system for the whole Dominion, but that it is not necessary, and if we have the opportunity to set up a co-ordinate system, we should act on it regardless of the system. He reminded the meeting that we in Nova Scotia share a very short common border with the Province of New Brunswick, and that the system of land registration for each Province stops at the border, therefore it is not necessary to have the one system of co-ordinates.

Mr. March said that Mr. J. E. Lilly of the Geodetic Survey had set up the system for New Brunswick, and would be very happy to give us any assistance that we may require.

Prof. Chisholm asked what had been the outcome of the question of who wanted the co-ordinate system.

President Servant said that there had been a mixed feeling regarding this question, but that he did not think that any person who understood the meaning of the co-ordinate system had spoken out against it. It was felt that we have a big selling job ahead of us to get the towns and cities to adopt this system. He said that the City of Montreal had adopted this system some years ago, and then dropped it. They are now trying to have this system adopted again. He said that they are adopting a co-ordinate system in Southern Alberta. He said that the D.L.S. system is sufficient in the rural areas in the Western Provinces, but that they are beginning to feel the need for a better system.

Mr. Murray asked if it would not be necessary to revise our registry system if a co-ordinate system was adopted.

Vice President Eldridge informed the meeting that New Brunswick is planning a revision in their registry system to comply with their new system of co-ordinates.

Mr. March said that the co-ordinate system would first be of the most importance to the surveyor, and then to the general public in connection with the system of land registration.

Mr. Murray asked if the cost of setting up these monuments would be great.

President Servant informed Mr. Murray that the monuments were set up in the Moncton area at a cost of \$40.00 per monument.

President Servant said that we will have to sell the Government on the value of a co-ordinate system.

Mr. Verner asked when it would be compulsory to tie all surveys into the co-ordinate system.

President Servant advised Mr. Verner that it would be compulsory to use the co-ordinate system as soon as it is set up.

President Servant then reported on the meeting of the Association of Ontario Land Surveyors, which was held in Hamilton on February 15, 16, and 17. He said that the pattern of their meeting was similar to ours, but that their membership is much larger and the attendance at their annual meetings is greater than ours, and that they have many more problems to deal with. He said that the general theme of the Ontario meeting was education for surveyors.

President Servant said that the Ontario Association had recommended that a degree course or the equivalent be necessary for all future Ontario Land Surveyors.

President Servant said that the University of Toronto have a full time Associate Professor in surveying, and hope within the next year to announce a degree course in surveying.

President Servant said that he felt from meeting with other land surveyors in Ottawa and Hamilton that the land surveyors want a course for the ordinary "dirt surveyor", and not just for the Geodetic type of surveyor. A number of the surveyors from the other Provinces were afraid that because of the October meeting on survey education being sponsored by the Ottawa group that the survey course would be of the Geodetic type and not the ordinary land surveyor such as required by the Provinces.

Col. Ball stated that once the Holloway Syllabus is established that this would prepare students for any university, and that a graduate of the Nova Scotia Land Survey Institute would be well prepared if he wished to go on and get his degree in surveying from a University. He said that it would be to their advantage to get the practical experience first and then get their degree.

President Servant asked Mr. March if he had any comments to make on the meeting in Hamilton.

Mr. March said that he had noticed something they did which we could very well use at our next Annual Meeting. He said that the committee on survey prob-

lems had prepared questions on survey problems and distributed them to the members in advance of the meeting so that the members could come prepared with their answers. He said that he is getting a copy of the questions and the solutions which were adopted at the meeting.

President Servant said that he did not see them do anything in Hamilton that we could not do here. He said that they have made their first prosecution in the case of persons surveying without a license.

Col. Ball said that he would like to make a point on education. He said that he feels that in order to educate the public of the value of surveying, this Association should have representatives on all of the planning boards in the Province.

After a brief discussion on this matter, Col Ball made the motion that the Association approach all planning boards in the Province, requesting that a representative of this Association be included in all deliberations concerned with planning or otherwise involving surveying principles.

Seconded by Prof. Chisholm. Motion carried.

Mr. Fiske suggested that Mr. Bird, the Director of Planning, Department of Municipal Affairs, would be a good person to sell this idea.

President Servant then read the following item from today's "Mail-Star", reporting on the proceedings of the Annual Meeting of the County Council of suburban ratepayers Association, held in Penhorn Park School, in Woodlawn, Monday evening, February 22, 1960.

"Ken Robb, surveyor, discussed problems he said he had encountered in having plans approved by the county. He said approval of one 97 building lot subdivision had been held up because there was too much snow on the ground. He cited the "error of closure" regulations, which he said was required under the planning act to protect property purchasers, and said he followed it on every sub-division job, although it was not generally being enforced in the County.

Costs of surveying in Nova Scotia are higher than anywhere else in Canada, he said. He said provincial surveyors are not even forced to have their "chain" checked for length. He said they could use a cloth tape if they wished."

President Servant then read a letter from Mr. Robb addressed to this Association:

Mr. H. B. Robertson,
Secretary - Treasurer,
Association of Provincial Land Surveyors,
Halifax, N.S.

January 20, 1960.

Dear Mr. Robertson:

An important matter has come up between myself and Mr. Charles Reardon, County Planning Engineer, regarding an unfair and biased practice that he is carrying on that threatens to ruin my career as a private land surveyor. I wish to bring my problem before the Association of Provincial Land Surveyors so that I may endorse their support.

I have taken this matter up with the Municipal Authorities and have been assured that they will take the necessary steps to eliminate this practice. It is necessary however that I receive some backing from our Association.

Would you kindly arrange to have a committee called as soon as possible as I am deeply concerned as to the future of my career.

(signed)

Yours sincerely,

K. W. Robb, P. L. S.

R.R. No. 1, Dartmouth, N. S.

President Servant said that the Secretary had replied to Mr. Robb, and asked him to submit his evidence so that the matter could be taken up by the Council of the Association.

The Secretary said that he had replied to Mr. Robb on January 30, 1960, asking him to submit his evidence as a meeting of the Council would be held very soon. The Secretary informed the members of the Council that up to the time of the meeting, no reply had been received from Mr. Robb.

Mr. Fiske suggested that Mr. Robb should be requested to meet with the Council in order that they may learn of bad survey practices which are taking place, which are not acceptable in good land surveying practice.

President Servant said that we should have a discipline committee set up to handle such cases.

Prof. Chisholm then made a motion that the Secretary write to Mr. Robb, P. L. S. asking him that he provide evidence in writing to the Council within ten days of the date of our letter to explain:

(1) the basis for his statement in the February 23rd issue of the Halifax Mail Star,

(2) the evidence that he referred to in his letter of January 20th, 1960,

(3) the complaints he has laid before officers of the Municipal Council of the County of Halifax.

Seconded by Mr. Wagstaff, motion carried.

President Servant then read a letter from Mr. F. L. Gray, P.L.S., Forest Engineer, advising that the Nova Scotia Government intends to set up a Royal Commission to investigate problems dealing with forestry in this Province at some date not too far in the future. Mr. Gray suggested in his letter that the Association of Provincial Land Surveyors of Nova Scotia should give consideration to making a submission to the Commission if it is set up.

Col. Ball said that he feels this is an excellent idea and reminded the members of the Council that we have a forester on the Council and said he was referring to our Vice President Mr. Donald Eldridge.

President Servant said that he would suggest that we appoint a Committee to look into this problem.

After a brief discussion it was decided to hold this matter over until the next meeting of the Council.

President Servant then read an invitation from the Association of Saskatchewan Land Surveyors inviting a delegate from this Association to attend their 50th Anniversary Meeting of their Association. It was the feeling of the meeting that although it would be nice to have a representative at this occasion, because of limited funds at this time we are unable to do so.

Mr. Martell made the motion that we send a Nova Scotia Plaid necktie to the President of the Saskatchewan Land Surveyors Association as a token of our best wishes. Seconded by Mr. Eldridge, motion carried.

President Servant then read a letter from Mr. Eric Jordan requesting information available as to where he might obtain work for the coming summer with a Nova Scotia Provincial Land Surveyor.

It was decided that this letter be published in the Nova Scotian Surveyor.

Mr. March made a motion that the Editor and his staff be congratulated on the new format of the Nova Scotian Surveyor. Seconded by Col. Ball, motion carried.

It was decided to write Major Church and advise him that all students requesting summer employment, write the editor of the Nova Scotian Surveyor, so that their names may be listed in this publication.

President Servant then read a letter from Mr. Kenneth Redmond requesting information on the type of material covered in the Provincial Land Surveyors Examinations.

It was decided that the Secretary notify Mr. Redmond that the Regulations are not available, and that the dates of this year's exams have not been set, and to also send a copy of the Act.

President Servant then read a letter from Mr. A. M. Foster stating that he had not received his membership certificate.

Prof. Chisholm made a motion that the Secretary be empowered to have these Certificates printed at fifty cents each.

Seconded by Mr. Archibald. Motion carried.

President Servant then brought up the proposed Regulations. He explained that there had been a special meeting of the Halifax group in December, but that they had been unable to complete these Regulations. He said that following a questionnaire to the members of the Council, another meeting of the full Council had been held on January 11th, but that for various reasons most of the members were unable to attend at that time, and those present did not feel that they could decide on such important matters, but that the matter had been discussed, and suggestions were made.

At the meeting of the Council held on January 11th, 1960, Mr. Millard suggested that Section 7 of the proposed Regulations, as amended at the December 3, 1959 meeting of the Council, dealing with the Surveyors Compass should be amended to read:

“Surveyors Compass — The Surveyors Compass must be of a size and sensitivity to permit bearings to be read to ten minutes, and shall only be employed on surveys of less valuable lands, and for subsidiary surveys of small extent connected with lines run with a transit, and shall only be used in conjunction with a transit to establish boundaries within incorporated towns and cities.”

This matter was given much discussion, and it was felt that in many descriptions of lands within incorporated towns and cities, the surveyor has nothing to work with but compass bearings.

Mr. Wagstaff said that he feels that this section as recommended at the December 3rd meeting of the Council is too restrictive.

This matter was discussed and it was the opinion of the meeting that this section does not prevent the use of the magnetic compass for preliminary work in the case of the relocation of old boundaries, formerly established by the Surveyors Compass. Once these old boundaries have been established by the use of the magnetic compass, then the transit would be employed to complete the survey.

Mr. March made the motion that the section of the proposed Regulations dealing with the Surveyors Compass be adopted as amended at the meeting of the December 3, 1959, with the exception that the Surveyors Compass must be of a size and sensitivity to permit bearings to be read to ten minutes, instead of five minutes.

President Servant informed the meeting that at the special meeting of the Halifax and District members of the Council, held in December, that the Section on Monuments had been deleted until the Committee on Monuments brought in their report. He said that this committee has now brought in its report, which he then read to the members present.

MONUMENTS

The starting point given a description of land should be such that in case of interpretation of the description in later years by survey on the ground, any Provincial Land Surveyor could replace the starting monument and the other corner monuments in the identical original position. This can only be possible where the starting point is clearly marked on the ground and referenced by a method making it possible, should the original marker be destroyed, to place another in the same position.

This problem of re-establishing surveys is one with which every surveyor from time to time has to contend and one which much thought has been given, in search of a practical set of rules for successfully solving specific cases of retracing and re-establishing surveys.

The only conclusion that can be arrived at is that permanent boundary location is not solved by way of so called permanent markers, as no corner monuments, such as concrete or metal will survive the onslaught of vandals or present day machinery, to which it may be subjected.

It is therefore clear that the references must be truly permanent before the problem is really solved.

A method does exist by which this may be achieved should we desire to adopt it, namely, the Co-ordinate Control system, as I believe recently adopted in the Province of New Brunswick.

The problems, such as cost, etc. of implementing this system would of course seem to be unsurmountable, but certainly would be justified through the benefits to all concerned, and I would recommend that the necessary steps should be taken in the near future toward adoption of a Co-ordinate Control system in this Province.

However in the meantime the following information is submitted herewith for the consideration of the Council of the Association of Provincial Land Surveyors of Nova Scotia, in response to a resolution passed at the last General Meeting, to work with the Halifax County Planning Board in investigating the possibility of adopting standard monuments in this Province.

Mr. D. L. Eldridge, P.L.S. and Chief Forester for the George Eddy Company Limited, large property holders in this Province, recommends for monumenting timber property or remote lands, that the present practice of wooden post supported by rocks mounds be followed for the present time.

In cities or towns a one inch diameter iron rod with metal cap, suitably inscribed with the Surveyors initials, number and date, to be set in concrete, should be placed at least two corners of each subdivision.

Mr. R. E. Dickie, P.L.S., Chief Surveyor for Bowaters Mersey Paper Company Limited, recommends for woodland purposes the conventional wooden post placed on top of a flat rock and then well mounded with stones. He feels that for this purpose iron post would be economically unfeasible due to cost and preparation.

For town and city work he favours iron post one inch in diameter and of a length in accordance with soil conditions, such posts to have a metal cap suitably inscribed particularly with the surveyor's number.

According to information received from the Association of Ontario Land Surveyors, at the moment there are no overall regulations laying down specifications for survey monuments, the matter being at present studied by one of the Committees.

However they do have legislation governing the type of monuments to be used on subdivisions of which the plans are registered in the Registry or Land Titles Office. Quoting from Section 55 of the Surveys Act 1958 —

"(1) Every exterior angle being subdivided and one angle of each street intersection being laid out shall be defined in the survey thereof by

(a) An iron bar one inch square and four feet long driven into the ground so that the top is flush with the ground level, which bar shall be known as a standard iron bar and may be designated by the initials S. I. B.; or

(b) a stone or reinforced concrete monument five inches square at the base and not less than three feet six inches in length, planted so that the top is flush with ground level; or

(c) in case of exposed solid rock, an iron bolt an inch square and three inches long cemented or leaded into the rock."

This legislation is supplemented by a "standard" by-law of the Association, which reads in part as follows:

"All corners of lots and blocks within a subdivision, and every lot line not defined by one of the monuments described shall, when marked be defined by —

(1) an iron bar not less than one half an inch square, and not less than twenty four inches long, or

(II) an iron pipe not less than one inch in outside diameter, and not less than twenty four inches long, or

(III) a square wooden post not less than one and three quarter inches across any face and not less than eighteen inches long, or

(IV) in case of solid rock, by a half-inch iron bolt three inches long, leaded or concreted in the rock."

Various survey organizations within the Province of Ontario would seem to have their own specifications.

The Department of Lands and Forests, of Ontario, specify 2½ inch round square at the top and 8 inches square at base planted four feet in the ground with a bronze cap 2½ inches in diameter set in top, marked Land Surveys Department of Highways, penalty for removal, five years imprisonment.

At the present time in the Province of Ontario there is no absolute obligation for a surveyor making a private survey to use any particular form of monument or bar.

However a by-law requires all surveyors to identify their monuments by name, initial, or number, which identification is registered to the Association Office.

The Department of Lands and Forests in this Province introduced in connection with the Crown Land Survey in the year 1936, two types of metal monuments for use in the more accessible areas. One was a one inch square iron bar approximately two feet in length capped with a square aluminum block and the other a 1¼ inch diameter black iron pipe four feet in length, with a brass band on top for necessary markings. Both types have been used quite extensively in suitable locations and have proven quite satisfactory.

From the information at hand it would seem in order to recommend for the present where woodland property is involved, the use of monument as set forth in the Regulations.

However where subdivisions or town lots are concerned it is recommended that specifications similar to that in Ontario be considered for adoption.

It is also recommended that the Professional Survey Markers made by Bathy Manufacturing Company of Plymouth, Michigan, and used by Federal, State, County and City agencies in the U.S.A. be also considered as a possible standard.

Col. Ball made the motion that the report be returned to the Committee with thanks for the excellent report, and ask that they make specific recommendations.

Seconded by Prof. Chisholm. Motion carried.

President Servant then brought up the Section on Plans and Reports, and informed the meeting that this had been left over from the last meeting.

President Servant said that one of the problems is what shall be done with such plans. Should the linen tracing be passed by the planning board and sent directly to the Registry Office, and if so will they accept it and take the proper precautions for its preservation.

Prof. Chisholm asked if this linen tracing should not first go to the planning board for their approval before it is sent to the Registry.

President Servant said that he feels that this should be the proper procedure.

Mr. Eldridge said that some surveyors do not wish to submit their linen tracings. He asked what is to stop somebody from making alterations after the plan has been filed.

President Servant said that he feels that these linen tracings should not be available to the public.

President Servant asked for the formation of a Committee to look into Plans and Reports.

Col. Ball made the motion that J. R. March, John A. McElmon, and Walter Servant form a committee to look into Regulations on Plans and Reports.

Seconded by Mr. Wagstaff. Motion carried.

President Servant then informed the meeting that we had received a complaint by Mr. N. H. MacPherson, of Saint John, N. B. complaining of unethical survey practices by Mr. Eldon Adams, P.L.S.,

Mr. MacPherson claims to have engaged Mr. Adams on about September 13, 1958 to survey a woodlot located in the Trout Brook District, Cape Breton County. Mr. Adams replied to Mr. MacPherson on September 16th, 1958 and accepted the job, and at that time requested \$95.00 to cover labour costs on the survey. Mr. MacPherson said that he had replied to Mr. Adams on September 19th, 1958 and had sent him a cheque to the amount of \$95.00 at that time.

Mr. MacPherson claims that when he had engaged Mr. Adams in September 1958 he had requested that the job be done immediately so that the lumber could be sold and cut during the coming winter. He claims that he had to wait until March 1959 before receiving a plan of his lands from Mr. Adams, but when Mr. Lloyd Morrison Provincial Forest Ranger had been engaged to cruise this land he had not been able to locate any evidence of a survey on the ground in this area. Also included with Mr. Adams plan and report was his bill for a further \$65.00 which Mr. MacPherson says that he has not paid.

President Servant said that Mr. MacPherson had complained to the Minister of Lands and Forests, and that the complaint had been passed on to us by that Department.

Mr. Eldridge said that he feels that Mr. Adams should be contacted before any action is taken.

Mr. Wagstaff said that the Association should first establish if the land has been surveyed.

President Servant said that we should have copies of the plans referred to by Mr. MacPherson.

Mr. Martell said that with the permission of the Council, he would go in with Mr. Adams to investigate this matter on the ground.

President Servant said that he is in favour of sending a man to investigate, to establish if the land has been surveyed, and if it has not, then Mr. Adams should be contacted.

Mr. March said that the Association is now bound to take action.

Mr. Hebb said that we have received a complaint and it is our duty to investigate. He suggested that Mr. March and Mr. Martell go in and investigate this matter.

Prof. Chisholm said that he feels that two should be sufficient.

Mr. March and Mr. Martell agreed that they would go in with Mr. Adams and investigate this matter on the ground at the earliest opportunity.

The meeting adjourned at 6 p.m.

H. B. Robertson, P. L. S.
Secretary - Treasurer.

Association of Provincial Land
Surveyors of Nova Scotia
10TH ANNUAL MEETING
November 21st and 22nd 1960
LORD NELSON HOTEL, HALIFAX, N. S.

Minutes of Meeting of the Council

held at the Y.M.C.A., 187 South Park Street, Halifax, N. S., Monday,
May 2nd, 1960

Members present: Walter E. Servant, President; Donald L. Eldridge, Vice-President; Col. Spencer Ball, Errol B. Hebb, Donald Wagstaff, J. Ronald Chisholm, J. F. Archibald, J. E. R. March, John McElmon, H. B. Robertson, Secretary-Treasurer.

President Servant called the meeting to order at 2:45 p.m.

Copies of the minutes of the last meeting were passed out to all present for their perusal

President Servant asked the Secretary what action had been taken with regards to the motion passed at the last meeting of the Council that the Association approach all planning boards in the Province requesting that a representative of this Association be included in all deliberations concerned with planning or otherwise involving surveying principles.

The Secretary said that he had discussed this matter with Mr. Bird, the Director of Planning of the Department of Municipal Affairs. He said that Mr. Bird was of the opinion that there may be some difficulty in presenting this to the planning boards.

Col. Ball said that this could be made as an offer of co-operation. He said that Mr. Bird would have a list of all the boards and could pass on our letter informing them that they could have the assistance of the Association. He suggested that we draft up a letter and send a copy to Mr. Bird and ask him to present it to the planning boards, with the offer that the Association assist them in their duties by having members available to help them with any problems that may arise from time to time. These people would not be members of the Board but could sit in at the meetings when requested.

President Servant said that a copy of the report of the committee on monuments was sent to the Halifax County Planning Board. He said that this report stressed the importance of the co-ordinate system. He said that he had been asked by Mr. Reardon to explain the benefits of this system. He said that it is the responsibility of this Association to inform the planning boards of the value of the co-ordinate system with regards to the surveying and registry of lands, and suggested that a representative of this Association go before the Halifax County and other planning boards to stress, and explain the importance of the co-ordinate system. He said that he can foresee the acceptance of co-ordinates by the city, Dartmouth, and Halifax County planning boards, but feels there may be some difficulty getting the acceptance of some of the outside boards, many of which do not even have a planning engineer.

Col. Ball said that if these planning boards do not have planning engineers, then there is all the more reason for having a surveyor on the board.

Mr. Hebb said that he was in favour of Col. Ball's suggestion that we offer the assistance of the Association.

Mr. March made a motion that Col. Ball draft up a letter offering our assistance to the planning boards by having members available to assist them with any problems which they may have in connection with their duties. The letter to be handed over to Mr. Bird for his approval and submission to the planning boards.

Seconded by Mr. Eldridge. Motion carried.

President Servant then asked if there was any other business arising from the minutes of the last meeting.

Mr. Eldridge asked for a report on the meeting of the Halifax members, and Mr. Robb.

President Servant informed Mr. Eldridge that Mr. MacInness had been contacted for a legal ruling on this matter; and we were informed that we do not

have the authority to call any member before the Council until our by-laws have been approved by the Governor in Council, but that we could only ask Mr. Robb if he would meet with the members of the Council, and that he would not be required to do so if he did not wish to.

President Servant said that a letter had been sent to Mr. Robb requesting that he provide the necessary evidence in writing, supporting his complaints against the Halifax County Planning Board, and other statements quoted in the Halifax Mail Star on February 23rd, 1960. He said that our letter requested that Mr. Robb provide this evidence within ten days of the date of the letter, which was dated March 1, 1960.

President Servant said that a meeting of the Halifax and District members of the Council had been called for the evening of March 17th, to meet with Mr. Robb and his solicitor to discuss the charges made by Mr. Robb. He said that the following members were present at the meeting, which was held in the Board Room in the Provincial Building:

President Walter E. Servant, John McElmon, Prof. A. F. Chisholm, Col. Spencer Ball, J. F. Archibald, J. E. R. March, Freeman Tupper and H. B. Robertson, Secretary-Treasurer, and that our solicitor Mr. John MacInness was also present as our legal representative. He said that Mr. Robb was present with his legal representative, Mr. Weldon and Mr. Weldon's stenographer. Also present with Mr. Robb was Mr. Orrin Clark, P.L.S.

President Servant said that when Mr. Robb received our letter of March 1, he had engaged the services of Mr. Weldon for legal advice on what action should be taken. He said that Mr. Robb, acting on the advice of his lawyer had said that he did not wish to give evidence or disclose the names of his clients at this time.

Mr. Eldridge said that we are obliged to write Mr. Robb's solicitor and inform him that if evidence can be produced, this Association is willing to stand behind Mr. Robb.

President Servant said that he feels that the Association should consider submitting a brief to the Royal Commission investigating the affairs of the Municipality of the County of Halifax. He reminded the members that the commission have requested that all briefs be presented by May 17th, 1960.

Mr. March said that he can submit a brief pointing out that a system of co-ordinates is necessary before the planning boards can become truly effective.

President Servant said that he had asked Prof. Chisholm if he would agree to head up a committee to prepare a brief for presentation to the Royal Commission. He said that Prof. Chisholm had been willing to do this, but with examinations coming up he did not know if he would have the time to spend on the preparation of this brief.

Col. Ball suggested that Mr. March and Freeman Tupper form a committee to prepare a brief to be presented to the Royal Commission.

Mr. Hebb made the motion that Mr. March, and Freeman Tupper form a committee to prepare a brief for presentation to the coming Royal Commission into the affairs of the Municipality of the County of Halifax.

Seconded by Col. Ball. Motion carried.

President Servant said that he had reminded Mr. Reardon that much of the trouble today could be remedied if they would insist that all bearings and distances be shown on all sub-division plans. He said that because the planning board is not insisting that their regulations be held the surveying profession as a whole are not providing the information that is required on their plans.

Mr. Wagstaff asked where the Association is falling down with regards to Mr. Robb, and his charges against the planning board.

President Servant informed Mr. Wagstaff that it was because Mr. Robb had not provided the Association with the required evidence.

Mr. Eldridge then asked of the state of the finances of the Association, and if the Secretary had received his honorarium.

The Secretary informed Mr. Eldridge that because of the low financial state of the Association he had not been able to draw on the funds for his honorarium.

Col. Ball then made the motion that the Secretary shall draw his honorarium as soon as the available funds exceed the amount of the honorarium by the amount of one hundred dollars.

Seconded by Mr. Chisholm. Motion carried.

The subject of the by-laws was then brought up for discussion, and President Servant then read a letter from Mr. MacInnes.

It was moved by Mr. March that the by-laws, with amendments as suggested by Mr. MacInnes be accepted by this Council, and presented for the approval of the Governor-in-Council, as required under Section 6 of the Acts of 1959, the Provincial Land Surveyors Act.

Seconded by Mr. Eldridge. Motion Carried.

The matter of proposed Regulations for Provincial Land Surveyors was then brought up for consideration by the Council.

On considering the Section on Plans and Reports it was decided to delete the wording "of a size suitable to conform with the regulations recommended by the local planning board", and that this Section shall read "Plans shall be drawn to a specified scale, shall be dated, signed, etc., etc.

On considering the Section of Plans and Reports it was decided to delete, "width not greater than 30 inches", and substitute "a size to conform with the provisions of the Registry Act", in its place.

Also in the Section on Plans and Reports it was decided to strike out the following, "and no boundary shall be described as parallel to any irregular line".

After some discussion it was decided that the chainman should be required to take the Chainman's oath, and that the form of the oath should be amended as follows:

I, about to be employed as a chainman by, Nova Scotia Provincial Land Surveyor, hereby make oath that I will discharge my duties as such chainman without favour or partiality, in accordance with the instructions of the Provincial Land Surveyor and to the best of my ability. So help me God.

Mr. McElmon moved that the proposed Regulations as amended be accepted for presentation to the Governor-in-Council.

Seconded by Mr. Hebb. Motion carried.

The matter of the formation of a co-ordinate system for the Province was then brought up for discussion.

President Servant then asked Mr. March for his report on what has been done up to the present time.

Mr. March said that he had sent a letter to Mr. Lilly, Dominion Geodesist, but that there has been no reply.

President Servant said that in some way we have to convince the surveyors themselves of the necessity of permanent monuments.

President Servant asked the Council if they feel that the Association is in the position to call a meeting of the Association, the Department of Municipal Affairs and others who may be interested in setting up a co-ordinate system.

Mr. March said that he thinks that we are.

President Servant asked if we should set up a committee to draw up a paper on the cost and type of monuments to be used in connection with control surveys.

President Servant said that the description of the proposed Dartmouth Town Boundaries were published in the paper. He said that this description is impossible to establish. He asked if there is any way that this Association can assist them in improving this description.

Mr. McElmon said that he was going over to the town of Dartmouth, and that he would get what information he can on that matter.

The question of the Annual Meeting was then brought up for discussion.

Mr. March moved that the 14th and 15th, of November 1960 as the dates for the next Annual Meeting, if the space is available at the Hotel. If this date is not open then the meetings should be held on either the preceding or the following Monday and Tuesday.

Seconded by Mr. Archibald. Motion carried.

The Secretary then read the report of Mr. D. L. Eldridge, Vice President, on the last Annual Meeting of the Association of New Brunswick Land Surveyors, which he attended as the representative of this Association.

SUMMARY OF MEETING BY D. L. ELDRIDGE IN FREDERICTON, N. B. ON JANUARY 19, 1960

The day before I arrived in Fredericton they had a 12" snowfall. The day after I arrived they had an 18" snowfall. Traffic was completely tied up.

Mr. S. G. Gamble, Director of Technical Surveys, Ottawa gave a very good talk on "The Educated Surveyor", stressing the need for higher education for Surveyors as technical advances are made.

Mr. Ira M. Beattie, Head of Dept. of Civil Engineering, University of New Brunswick gave a talk on the relationship between the Engineer, the Surveyor, and Education. He stressed the need for a degree course in Surveying, and hinted that his University would soon be giving this course. The first in the Maritimes.

Mr. James F. Doig read a paper prepared by Major James A. H. Church, Chief Instructor of the Land Survey Institute. Mr. Doig did a wonderful job on this paper, and also added a few comments of his own after reading Major Church's paper on "Provincial Land Surveyors Association in the Light of Recent Colloquim on Education". Mr. Doig stressed the need for Surveyors below the University level. He did a marvelous job and made one proud he was a member of our Nova Scotia Association.

The Annual Dinner was very well attended with approximately 100 people attending.

On Wednesday a period was held called "Fighting Words" and was chaired by Mr. H. P. Lingley and Mr. W. F. Roberts. This proved to be a very controversial period in that a motion was made by one group to do away with Instrument men altogether.

In other words only Registered Surveyors or Surveyors-in-Training could run instruments, any other person would be outlawed. Finally the Resolutions Committee at 6:30 that evening brought in a resolution resolving that this be studied by a Committee and brought back next year for action by the General Meeting. However, I learned at a later date that the Council met afterwards and overrode this and have issued instructions that as of May 1st, 1960 Instrument-men cannot be used in New Brunswick unless they are Registered Land Surveyors or Surveyors-in-Training.

Mr. A. W. McLaughlan gave a report on the "Provincial Co-ordinate System in New Brunswick". This was in effect the same talk he gave at our Nova Scotia meeting.

Our good friend Mr. Llewellyn T. Schofield, President of the Massachusetts Association of Land Surveyors and Civil Engineers gave a talk on the Massachusetts Co-ordinate System.

Mr. Harold Tait, Director of Provincial Planning gave a report on his "Proposed Provincial Town Planning Act". This proved to be very controversial in some sections.

The Association of New Brunswick Land Surveyors have published a hand book, which includes, By-laws of the Association, Minimum Tarriffs or fees that can be charged by New Brunswick Land Surveyors. Also a copy of their Act and various other items that are important to the Land Surveyor. This book is about seven inches long and four inches wide with bright yellow cover with a red plastic loose leaf binding.

Yours very truly,

signed:

D. L. Eldridge,
Vice President,
Association of Provincial
Land Surveyors of Nova Scotia.

The meeting adjourned at 6:30 p.m.

H. B. Robertson, P. L. S.,
Secretary-Treasurer

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