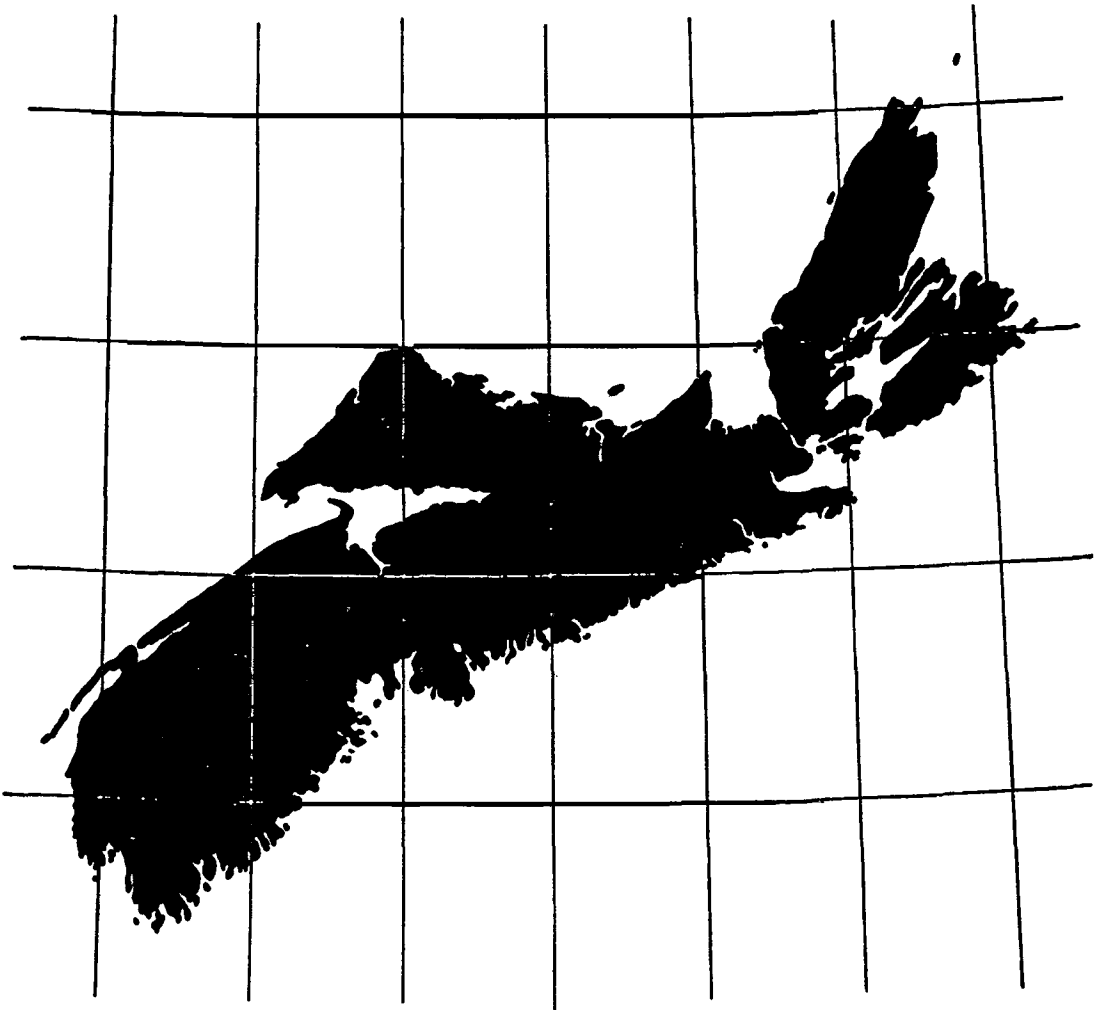


The NOVA SCOTIAN SURVEYOR



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J. RONALD CHISHOLM
President

EDWARD P. RICE
Secretary-Treasurer

Volume 14

R. E. MILLARD
Editor

Number 34

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President's Message

Now to start this off, it's a privilege to welcome so many here on this 12th annual meeting of the Association of Provincial Land Surveyors of Nova Scotia being held in this newly decorated room. If some of you don't have copies of the Minutes of the previous meeting and financial statements, you will find them in the front row seats where we hoped you would sit. I was thinking earlier what I should say to you besides just a general recounting of the year's activities. I thought perhaps I should try to instill the interest of Land Surveyors of Nova Scotia in their Association, yet it seems that a comparatively small percentage of the total registration come to the annual meetings. I also thought that I might mention that you do not seem to realize different things, that we have powers to discipline you, we could relieve you of your license to practise and so on, but another heading that came to mind was that some of you even though we could suspend your licence, still don't pay your dues on time. I thought of Eric Millard struggling to put out the little paper "The Nova Scotian Surveyor" which I am sure we all find interesting. He does a lot of work on this and he deserves a lot of credit, but about which most of the rest of us must have a fairly guilty conscience for not having helped him. He has appealed for papers; he has sent out requests for all sorts of help and personally I made a resolution last winter that I would send a short piece in for each issue, headed, perhaps, the President's Letter or the President's Corner or something of this sort and the first one never got off my desk, although I did get it written. For this Eric, I personally apologize. Well, these are some of the topics I could have made sort of a key note point about, but I thought better of it and decided not to mention any of them but to stay on much safer ground.

President's Address

During the past year your Council did not seem to have quite as much business as in some of the previous years, perhaps we haven't looked after everything we should, if this is true, a great deal of the blame must be laid on my shoulders. As far as my personal opinion is concerned I have had an extremely busy year in my other job. One interesting sidelight perhaps comes up that not too many of the past presidents, including yours truly, have been full time Land Surveyors. Why is this? Why aren't the full time Land Surveyors taking a more active part in the Association? During the year Council dealt with routine affairs; we obtained an opinion from our Solicitor in which no action has yet been taken that all members of the old Association under the Company's Act would be considered members of the new Association founded in 1959. Action can be taken immediately on any or all of those whose dues are in arrears. During the year we were invited to send delegates to other annual meetings of those of other provinces, of some of the U. S.

States in the Canadian Institute of Surveying in Ottawa. I had the privilege of attending the annual meetings of the Massachusetts Association of Civil Engineers and Land Surveyors, The Canadian Institute of Surveying, the Association of Ontario Land Surveyors, the Association of New Brunswick Land Surveyors, the Association of Quebec Land Surveyors. In all of these meetings I was impressed by the amount of hospitality and good cheer these groups passed out to strangers from other areas. Needless to say, I thoroughly enjoyed and at the same time was able to pass on most of the informal discussions the sort of problem that we are experiencing as others have told me the problems are much the same everywhere. Our Vice-President J. Ronald Chisholm attended the Newfoundland Surveyors meeting and also the 1962 meetings of the Massachusetts Association which were held just exactly one month ago today. If this current meeting proves to be as interesting and informative as those which I attended as your delegate then all the effort put into it will certainly be replaced. We set up a new procedure for this particular meeting; we are recording the entire meeting so that verbatim minutes can be prepared very shortly after the meeting and circulated as necessary. In order to carry this out successfully, I must ask that when you wish to say something after being recognized by the chair, proceed to the nearest microphone; there are two, one over at my left and one in the center, give your name, as the tape recorder can not recognize your face and then proceed with your remarks. It has been a privilege and a real experience to be your president and I thank you for the confidence which you have placed in me. I should like to introduce the visitors which we have with us today. For one reason and another there aren't perhaps as many as we would have wished. We'll start near home with A.W. or as he prefers Archie McLaughlin; would you stand up Archie if you are around here. Archie is President of the New Brunswick Land Surveyors Association working with the Department of Lands and Mines and is chiefly responsible for the smooth operation of the coordinate system. Would you like to say something to us Archie?

Mr. President, thanks for your welcome. I might have had lots to say but since you say you are taking it down verbatim it's going to be very short. I bring greetings from our own Association and from our Deputy Minister Willis Roberts who would like to have been here but he couldn't make it after all the travelling he has done this summer. And all I'll say is that I hope you have a fine meeting, thank you.

Thank you very much Archie. Accompanying Archie was one Cecil McKeil, who I think a good many of you know, employed at the Lands and Mines Department again. He is apparently a very important man in the system of surveying up there. He is the man that the surveyor must get all his plans by before they are accepted. He is the District Surveyor in New Brunswick, past councillor of their Association and Cecil would you like to say something? Where did he go? All right he has been introduced and didn't show up.

Next, I want to introduce the President of the Massachusetts Association of Civil Engineers and Land Surveyors (I finally got all that out) better known as MALSCE or whatever it is, I think I spelled it wrong too. Brent Schoffield from Massachusetts is an ex-Nova Scotian. I think all of you know him, if any of you know where we can be guaranteed to get a deer I think he would like to know about it. Brent let's hear from you. Again it's a pleasure to be here at your annual meeting and as your President said, our meeting was held just a month ago today. If you think of the weather here as being bad, I would like to say that it is nothing compared to the weather we had at our meeting. We had a Northeaster and a Hurricane, and believe it or not, there were times I had to raise my voice in order to be heard above the patter of the rain on the roof. I look forward each year to coming down here. Ordinarily, I bring a couple of brothers with me, but this year I felt that I had better come myself where Lou had been over in Europe for six weeks and the other two brothers are busy down on the Cape. I bring you greetings from

the Massachusetts Association and hope that you will have a successful meeting. Thank you.

Another guest that I had hoped to be able to introduce but who is not present this morning, he is upstairs in his room with the flu is Ray Moore, the Department of Mines and Technical Surveys in Ottawa, I believe he will be along this afternoon.

The other gentlemen that we have with us, and no stranger to us, is G. W. (Wilf) LaCroix of the Canadian Hydrographic Service and he is the regional hydrographer in the Bedford Institute. Wilf do you have anything you would like to say to us? **Mr. President and Gentlemen**, it is a great pleasure again to be here with you at your annual session and some of you know since we began to live in our new quarters across the bay, we have come under another management, the Surveys and Mapping Branch has been split and we have a new branch now and I regret to say that Mr. Sam Gamble is no longer our Director. However, I feel quite safe in bringing to you the greetings of Mr. Gamble and, of course, our own Chief Mr. Norman Grey, Dominion Hydrographer. Some of you may have already viewed the new quarters at Bedford Institute; it's a very fine building., I think it's almost unique, certainly in North America, roughly \$5 000,000.00 worth. If there are perhaps a group of you that haven't seen it yet, and would care to do this, I would be most happy to, by arrangement, conduct a group through the building and one of the ships also, if it was your wish. I gave Professor Chisholm a copy of our new chart of the place, it gives you a rough idea of what it looks like; it's really something. However, despite the fact that we are now connected with the highly educated scientists of oceanography, I think my first love is still the surveying and it gives me great pleasure to be here on these occasions. Thank you.

We have letters of regret from a variety of people across the country. People who were not able to make it to this meeting. Starting closest to home, the Halifax Housing Survey; Mr. Copeland regrets that he cannot be here because of a previous commitment. Mr. George B. Walker, President of the Alberta Land Surveyor's Association regrets that he cannot make it. Ted Blackett, the President of the Canadian Institute of Surveying regrets that he cannot make it; he says, I'm particularly disappointed since I looked forward very much to my visit to Nova Scotia. He had hoped to come the last time I was talking with him. We have a note from Lou Schoffield, the older brother, regretting that he cannot make it and Brent has already told us why. A letter from John Pierce, the President of the Ontario Land Surveyors pointing out that he and his wife can't make our meeting, and making a few other comments. **Mr. Beckton**, the Secretary Treasurer of the Corporation of Land Surveyors, Province of British Columbia sends his regrets, and an old friend of our **Lester Higby** tells us that he regrets very much that he cannot attend our annual meeting. I am sure that we all remember Lester from previous meetings here and from meetings in other areas. It looks like a wire from the eminent A. Phillips Bill of South Deerfield in Massachusetts; "**Best Wishes** to our Association for professional satisfaction at your 12th annual meeting. Thought until last minute Mrs. Bill and I might be able to make it. Our personal greetings to our many good friends. A. Phillips Bill.

During the year we lost at least three members, three that we know of by death and I would like to have you stand and observe a moment of silence in memory of these valued colleagues; Mr. R. J. Millgate, Captain G. R. Perry, and Wallace H. Betts. If there are any others we would like to know about it. Stand and observe a moments silence in memory. Thank you very much.

The next item on the Agenda is Minutes of the 11th Annual Meeting and I think I will let Mr. Robertson look after that part. **Mr. Robertson**. The minutes of the last annual meeting have been distributed. Some of you sitting away in back may not have copies. I would like to move that these minutes be accepted as printed rather than read them. Motion from the floor. Moved by Murray Cossitt and sec-

ended by Mr. March. You have heard the motion that the minutes be accepted as printed; any questions. All in favour. I would like to ask please that only members of this Association vote. **Major Church.** How do we know that the people who are voting are members or are in arrears of their dues? **President.** Our Assistant Secretary has a tally of all those who have registered their dues this year. **Mr. Rice.** There are two members present who have not paid their dues this year. **President.** Those two members will certainly know themselves whether or not they have paid their dues. Will they please abstain from voting until such dues have been paid. May we take a motion or vote rather on the substance of these minutes. All in favour. Contrary. Unanimous. Motion carried.

President. Is there any item on these minutes that anybody would like to have any further information about? Any business arising from the minutes? I realize that you have not had very much opportunity to look over the minutes, perhaps this item should be deferred until a later date, after you have had time to look them over a little more carefully, in the meantime, you have accepted them. No business.

Professionalism

By WALTER S. DIX

Mr. President, Chairman, fellow officers, members, friends, ladies, and gentlemen:

It is a distinct official privilege and a sincere personal pleasure to pay respects from the American Congress on Surveying and Mapping to the Massachusetts Association of Land Surveyors and Civil Engineers gathered here today in its Eighth Annual Meeting.

As one who came to the shores of America by the way of the Atlantic Ocean; and as I breathe the tang of the sea here on Cape Cod; my thoughts drift to the history of Massachusetts—back to 1498 when John and Sebastian Cabot sailed these shores—back to 1602 when Bartholomew Gosnold landed near what is now Bedford—and a dozen years later in 1614 when Capt. John Smith made the first map of these parts.

Ever since then, someone in this area has been measuring and recording the boundaries of the locality's land.

The profession of surveying and the land surveyor is an old and honorable one. It has been said that it is the second oldest profession.

This leads me to the word profession, and to the topic professionalism, about which I have been asked to say a few words.

One cannot talk on this subject very long without quoting copiously, directly or indirectly, from the words (1) of Nathan W. Dougherty, Dean Emeritus, College of Engineering, University of Tennessee, to whom I give credit for shaping my thoughts on this subject. That goes too for Wickenden and his "second male", and those we emulate, who set the pace before us.

In synopsis "A professional is one who uses specialized knowledge and skill in the solutions of problems that cannot be standardized. He is actuated by a service motive; he works in a relation of confidence, and observes an acceptable code of ethical conduct.

"These qualities are acquired in the home, at school, and in the application of practice.

"Professionalism is a way of thinking and living, rather than an accumulation of knowledge and power.

"Knowledge and power are important, and when actuated by the professional spirit they produce the leaders and torch bearers."

Now take the word "professional". The term professional has many meanings in the various walks of life. In sports and athletics, it refers to those who use their skill and knowledge for personal gain. To the general public it may refer to anyone with enough skill and willingness in an activity to rate pay for doing it. For

outstanding service to the people over the years, three professions—law, medicine, and the ministry — earned the extra recognition and the reference “learned professions” by sheer weight of high educational standards, ethics, and principles of practice.

As other groups have developed formal educational preparation for their activity, they desired to be, and have been, recognized as learned and professional in a sense apart from unlearned activities. Identification, by distinguishing characteristics, separating these learned and unlearned groups, creates the relative terms of reference—professional and nonprofessional.

Such recognition is not by formal charter, but by an assumption of status by the group itself. Any doubts as to status usually are found within the group itself, and these self-doubters are often the most difficult of all to convince. The public usually accepts a group at its own estimate of itself. Therefore, it behooves a group seeking professional status, to be well convinced that it is professional—professional in the learned sense—possessing a body of knowledge—possessing a body of principle and ethics. Convinced of this, it is not difficult to convince the public and other professional groups. In the same sense a professional group conducts its activity in a glass house. The conduct of any of its members reflects on the group. Therefore, high standards are necessary in all departments to uphold the whole.

It is obvious that adequate knowledge is a prime requirement, and that adequate schools must provide this basic knowledge for the youngsters who are to follow us into the profession. It is just as obvious that the senior professionals of today must pass the knowledge on both to the schools and to the young professionals coming up, and it is just as obvious that, as we add years to our seniority, we must see to it that not only do we have the school courses, but we must urge young men to consider entering the profession, or the profession will cease to exist.

Someone once said, “If we had a loaf of bread, we could have a ham sandwich, if we had some ham.” It logically follows that, if we had surveyors, we could have a surveying profession, if they were qualified professionals.

Professional status must be earned and reached by qualification—

Qualification by individual knowledge

Qualification by individual conduct

Qualification by individual practice

Qualification by individual effort

Qualification by individual selflessness

Professional greatness or recognition cannot be achieved by having someone else or some collective agency force it upon others. The spurs must be won and won in open and in local competition.

If surveyors, as individuals, are professionally recognized on the local scene, they can, as a group, be recognized on the statewide and nationwide scene—and even worldwide on the international scene.

The case of the Land Surveyor—the property-line surveyor—the professional responsible for title surveys, in particular is a local matter. The necessary legislation to control standards and regulations is a local matter — municipal, county, and State.

It follows that the actual application of the practice, the philosophy—and the teaching—of land surveying is a local and regional matter. The move in California to establish a California Institute of Surveying is an example of this precept. Your own Massachusetts Land Court is an example.

While general professional problems are similar, the intrinsic technological details and the customs—hence the practice—are different. The every day survey problems of New England are different from those of the South and Southwest, and Midwest, the West, and the Pacific Coast. The full philosophy of land surveying must be tailored to its locality, and taught locally. A few good, strategically-located, regional schools are sorely needed—but more sorely needed are the students interested in studying for the profession.

We have already stated that young pre-professionals must enter a profession to replace the older professionals lost to it, if the profession is to thrive and live. To induce student recruitment into the profession of surveying we must provide adequate schools for their preprofessional and technological education. Professionalism and adequate educational qualification cannot be separated.

ACSM's Past President, Brother B. Austin Barry, has set forth educational concepts for professional "Education in Surveying and Mapping" in ACSM's March 1962 Journal — Surveying and Mapping, pages 25-30; also in Civil Engineering in February 1962.

Brother Austin Barry also presented these concepts as ACSM's National Report to Commission VII on Education for Surveyors at the Tenth International Congress of Surveyors in Vienna, Austria, August 24-September 2, this year. The ACSM National Reports to the 10th International Congress, Federation Internationale des Geometres — or FIG, as it is called in Europe — schedule to publish in ACSM's September 1962 Journal—Surveying and Mapping.

From various commentaries on these educational concepts has evolved a summation of characteristic attitudes of three groups: (2)

2 Letter of Rolland L. Hardy. Civil Engineering, September 1962, page 64.

(1) The rather poorly informed (insofar as surveying is concerned) but nevertheless aggressive and, therefore, influential, anti-surveying, engineering educator;

(2) The leaders of the surveying and mapping profession, dedicated and qualified, but never insulted by the insults heaped upon their profession, both from within and without; and

(3) Members of the surveying profession itself, who are convinced of nothing about professionalism and engineering education, except that their own brand has been good enough for them and should be good enough for future generations.

This means we have a lot of convincing to do to improve the professional recognition of surveying and keeping it improved.

ACSM currently has a small grant from the National Science Foundation to assist the ACSM-NSF team—Brother B. Austin Barry, Manhattan College; Professor Winfield Eldridge, University of Illinois; and C. J. Aggeler, head of Engineering Instruction at San Francisco City College—to investigate and report this year on necessary implementation to improve surveying education in the colleges.

It may be of interest to hear the views of a Massachusetts man—one who has also sailed these shores—the President of the United States, John F. Kennedy, who indicated his respect for the profession and set forth his viewpoint on education for surveying, in his telegram to us in the Annual ACSM Convention last March, as follows:

"The meeting of the American Congress on Surveying and Mapping has indeed occurred at one of the most auspicious times in its history. Since the beginnings of our nation, those of your professional calling have contributed in full measure to its opening growth, and development. Today our horizons have extended beyond the limits of the imagination of our forebearers. They who founded our nation included in their numbers men whose professional efforts were devoted as are yours, to the description in ever-more precise terms of the world about us. Then, as now, this effort has made possible even fuller use of the God-given resources available to us. I know that you, with the inspiration which has characterized the work of your profession, are more than equal to the challenge of the future. Among the great contributions on which all of us count is your continued and valued support of the educational development of those who will follow you. Your efforts in their behalf will help to assure a furtherance of achievements thus far realized.

"Please accept my congratulations for what I know has been a most successful and rewarding convention contributing to continued scientific progress." — JOHN F. KENNEDY

The surveying profession has come a long way and we are entitled to feel proud and encouraged, but we must not feel complacent or satisfied. The ills and

problems of our profession are many. The success of our professional and technological advancement is in your hands.

We must move forward—we must make up for time and opportunities missed in the past. To do this, the effort and the cost must continue to be shared.

Membership in ACSM helps such effort and helps share the cost. I urge all of you who are not yet members of ACSM to join with us.

Closing in theme—I think professionalism is quite well described in the “Exhortation to good works,” from the Epistle, St. Paul to the Galatians, Chapter 5-25 through 6-10.

“If we live in the Spirit,

let us also walk in the Spirit.”

“For if any man think himself to be something whereas he is not he deceiveth himself.”

“But let every one prove his own work and so he shall have glory in himself only, and not in another.”

“For every one shall bear his own burden.”

“For what things a man shall sow, those also shall he reap.”

“And in doing good, let us not fail. For (not failing) in due time we shall reap.”

“Therefore, whilst we have time, let us work good to all men, but

especially to those who are of the household . . .”

And so—to you Massachusetts men I say—you are the torchbearers—the leaders of your profession, and its professionalism depends on you. Let it not be said, when the time comes to toss the torch to younger hands, that we did not throw it true to those we have taught to catch and bear it.

Thank you.

An address by the President, American Congress on Surveying and Mapping, to the Eighth Annual Meeting of the Massachusetts Association of Land Surveyors and Civil Engineers, at Harwichport, Cape Cod, Massachusetts, October 5, 1962.

1 “Methods of Accomplishing Professional Development,” by Nathan W. Dougherty. Transactions, American Society of Civil Engineers, 1961. Vol. 126, Part V, pages 1-6.

The Chronicles of Bill

Episode V: The Unstandardized Speed Trap

We were returning to camp after a long field day, the four of us and the traverse gear bestowed picturesquely in the open jeep after the usual manner of those who go about their business in jeeps. Entering a forty-mile zone, Bill dutifully adjusted our speed to the sedate limit demanded by the sign and held it there despite the obvious distress of his passengers. Finally Harry, the youngest, could stand it no longer.

“Aw, for Pete’s sake, Bill!” he pleaded, “step on it. If we don’t get there soon my stomach will be so empty the cook will mistake me for a piece of scotch tape and use me to fasten back the flaps of the mess tent.”

“Take it easy, Son,” said Bill. “It’s better to be hungry than pinched. This is a favourite spot for speed traps.”

Grudgingly Harry conceded the point. "I guess you can beat these things," he admitted.

"Well, I dunno," said Bill reminiscently, "I knew a fellow once—But it was just a lucky accident, and I don't advise taking chances."

"It had to be so," said Sam, with amused anticipation. "Tell us about the fellow you knew, Bill."

His name was D. Lonrack (said Bill). We never knew what D stood for. He signed himself that way but we called him Lonny, and I guess nobody ever cared what other name he had.

Well, Lonny lived in Ottawa, but he was a country-loving soul and a frugal one, so he saved his dollars and one day purchased a piece of cottage property in the Rideau Lakes country. Of course he immediately burned to know all that could be known about his property, including whatever a survey could tell him, and he thought he could do the job himself—at least to his own satisfaction. He therefore borrowed a transit and chain (details of a simple thing like that don't matter) and persuaded a friend to go along to act as rodman for him.

It was a Saturday morning in early fall when they set out—neither of them licensed, mind you—to do their survey, and a clear blue sky and a nip in the air set them in a carefree mood as they sped westward along the Baseline Road. Suddenly there were two noticeable thumps, and a man in blue leaped out of the ditch and held up his hand. Coming to a frantic stop, Lonny and his rodman stepped down and walked back to the tell-tale box with the leads running out to the two wires stretched across the road.

It looked bad for them. Forty miles an hour, a thirty-mile zone, and on business that was not strictly legal. Glumly they stared at the miserable machine as the policeman ominously riffled the pages of his notebook and moistened the tip of his pencil before asking the first question.

Suddenly Lonny saw a ray of hope. There under the dial of the machine, in small letters, were the words, "Calibrated for twenty-two feet." Quickly he sped back to the truck, grabbed the steel tape, and, with the policeman in hot pursuit, ran back toward the two wires. His rodman friend had already seen what was in the wind and was there to hold the end of the tape for him, and incredulous but triumphant smiles spread over their faces at the result. For the distance between the two wires was only 20.5 feet.

The policeman had watched their actions patiently enough, once he was satisfied that they were not trying to escape, and he was plainly taken aback at the result. "Was twenty-two when I put her down," he said sadly. "Only twenty and a half now," said Lonny smugly. "Better come over to the car and see the sergeant," said the policeman, brightening at the prospect of passing his problem along to his superior.

The sergeant produced his tape, a collector's item, with the leather polished by twenty years of policeman's pocket lining. Unfortunately it was a linen one, and twenty years of Ottawa rain and sun had taken its toll. It said twenty-two, where Lonny's shiny steel surveyor's tape said only twenty and a half.

The sergeant was not disposed to dispute the evidence of Lonny's tape. "I suppose," he said, "being surveyors and all you would know how much difference a foot and a half would make."

His tone clearly revealed that he was a slave to the little black box, with no knowledge of the principles or mathematics involved, and Lonny felt that he might exaggerate a little without fear of detection. He therefore allowed a little asperity to creep into his voice. "Do you have any idea," he demanded, "how many innocent motorists may have been convicted of speeding when they were in reality, like us, doing a mere twenty-eight miles an hour? And all because of this unstandardized tape of yours? I think this might be something that I should take up with the chief of police."

This put the sergeant back on his own ground. "Oh, not too many, sir," he

countered, the suspicion of a smile crinkling the corners of his eyes. "We usually allow a fair amount of leeway, and we don't generally operate so early in the morning, before breakfast and all. Luckily we didn't have a ticket made out for you, so we can just forget the whole thing. And I'll see that we get a new tape right away and make sure it is the right length. Good-day, Sir."

Realizing the narrowness of his escape, Lonny withdrew from the field with the best grace he could. He drives more warily, since then, and obeys the signs, so the ends of justice were achieved, if you want to look at it that way."

The closing words of Bill's story coincided neatly with our arrival at camp, and wordlessly we headed for the wash basin and then the mess tent. There was a pre-occupied expression on Harry's face as he attacked the steak and onions with characteristic zest. Plainly, here was an activity that required no mental effort from him, and he was able to give his mind to other problems while demolishing a mountain of food with astonishing dispatch. His hunger appeased, he strode briskly to the office tent and disappeared inside. After a few minutes he reappeared, waving a slide rule in his hand, and shouted excitedly to Bill: "Hey, your friend Lonny was a lousy mathematician. That one and a half feet only made 2.6 miles per hour difference."

"I know, Son," answered Bill with a grin, "I know. But the sergeant didn't know. And he didn't know how to use a slide rule, either."

Quantity Surveyors Seek Student Strength

By ALEX JENKINS, HCN Assistant Editor

(Volume 7, No. 20 Heavy Construction News, May 17th, 1963)

Look for a drive to encourage more students to become members of the Canadian Institute of Quantity Surveyors.

Need for new members was stressed at CIO's annual meeting in Toronto last week by outgoing president Frank Helyar.

"We as individuals can't last forever" said Helyar "and if we are to keep the institute a live body, we must have new members coming in."

He asked members to encourage students in their offices to take CIO's examinations help students prepare for exams and become instructors in local technical institutes.

Helyar aimed another request at other segments of the construction industry.

"I would also ask that the construction industry recognize that by raising the standards of quantity surveying, we are making a positive contribution to the industry", he said.

"They can help us by encouraging their quantity surveyors to join the institute, by helping us with our education program, and by not placing obstacles in the way of our students taking the examinations."

Until CIO was formed three and a half years ago, he said, "there was no organization in Canada to co-ordinate the training of potential quantity surveyors.

"Now . . . we are very close to our goal of having a complete course of examination for student members to take to achieve full membership."

Academic examinations are replacing practical examinations as the main means of determining the qualifications of potential CIO members, said Helyar.

Most suitable quantity surveyors are members of the institute, but the 13-man ruling council has the power to admit latecomers as members without taking the examinations.

"I hope future councils exercise that power in suitable cases," he said, "but we must always bear in mind that we are attempting to set a standard.

"Any attempt to reduce that standard will reduce the prestige of the institute.

"It is only when we have high academic examination requirements for membership that we shall be looked upon by other organizations and individuals, and by ourselves, as being a really worthwhile organization."

First examination for students will take place at various centres on June 7 and 8, reported R. B. Mauchan, chairman of the education and membership committee.

Mauchan also stressed the need for more student members. "Most youngsters hear of our profession by word of mouth," he said, "and we ask that all members bring the institute and its activities to the attention of office juniors."

CIQS will shortly make available a correspondence course on the subject of quantities, but to fill the gap he urged chapters also to arrange local lectures.

He also appealed to firms or individuals who might donate a sum of money to be used for student prizes. "Fifty dollars in books or cash would be a powerful incentive to our students," he said.

A resolution designed to allow mechanical and electrical quantity surveyors to become institute members and to set up a separate CIQS division for them was approved by a narrow margin.

Arguments against the move: quantity surveyors should be able to do take-offs on mechanical and electrical work themselves; there's no precedent in any other quantity surveyors' body for such a division.

The proponents argued successfully that most quantity surveyors don't have the specialized knowledge of take-off men dealing exclusively with the mechanical and electrical trades; which account for about 30-40 percent of total project cost.

Secretary Gordon D. Pattison, reporting on the year's committee activities listed these highlights:

A draft report on current tendering procedures, based on information supplied by chapters, will be prepared by the contracts committee. Similar reports are planned on instructions to bidders and forms of tender.

Cost research committee is receiving and analysing comments from chapters on a draft report on "the procedure for preparing data to compute approximate cost estimates."

Second section of CIQS booklet series, Method of Measurement of Construction Works, has been printed and published. First Section, issued last year, got enthusiastic response.

Membership totals 419, an increase of 63 for the year. Total is made up of 349 members, 36 probationers and 34 students.

A new chapter comprised mainly of Hamilton, Ont., members was formed two weeks before CIQS's annual meeting, bringing to seven the number of local groups. Other chapters are in Toronto, Montreal, Calgary, Vancouver, Ottawa and the Ontario Lakehead.

Members in the Winnipeg area are conducting a strong campaign to form a chapter in the Manitoba capital and first moves are being made to consolidate CIQS activities in Victoria.

A series of lectures on critical path project scheduling is to be held this year for senior members of the Montreal chapter, reported A. W. Hooker.

The lectures will take the form of 11 three-hour sessions, will be presented with the help of Mauchly Associates Ltd., specialists in CPM.

Calgary chapter's education committee has been working closely with the Southern Alberta Institute of Technology to have quantity surveying taught in the school's two-year construction technology course, said chairman Lou Wynick.

Tom Clark, newly elected chairman of Vancouver chapter, asked CIQS members in other parts of the country to give Vancouver chapter any information they have about prequalification.

Studies have been made of construction contracts, bidding practices and tender documents, and the Vancouver chapter now would like to turn the spotlight on prequalification. "It's quite an important thing in the industry," said Clark.

NOTICE

13th ANNUAL MEETING

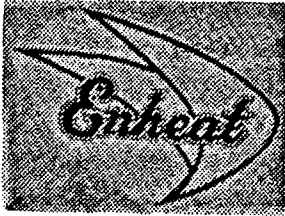
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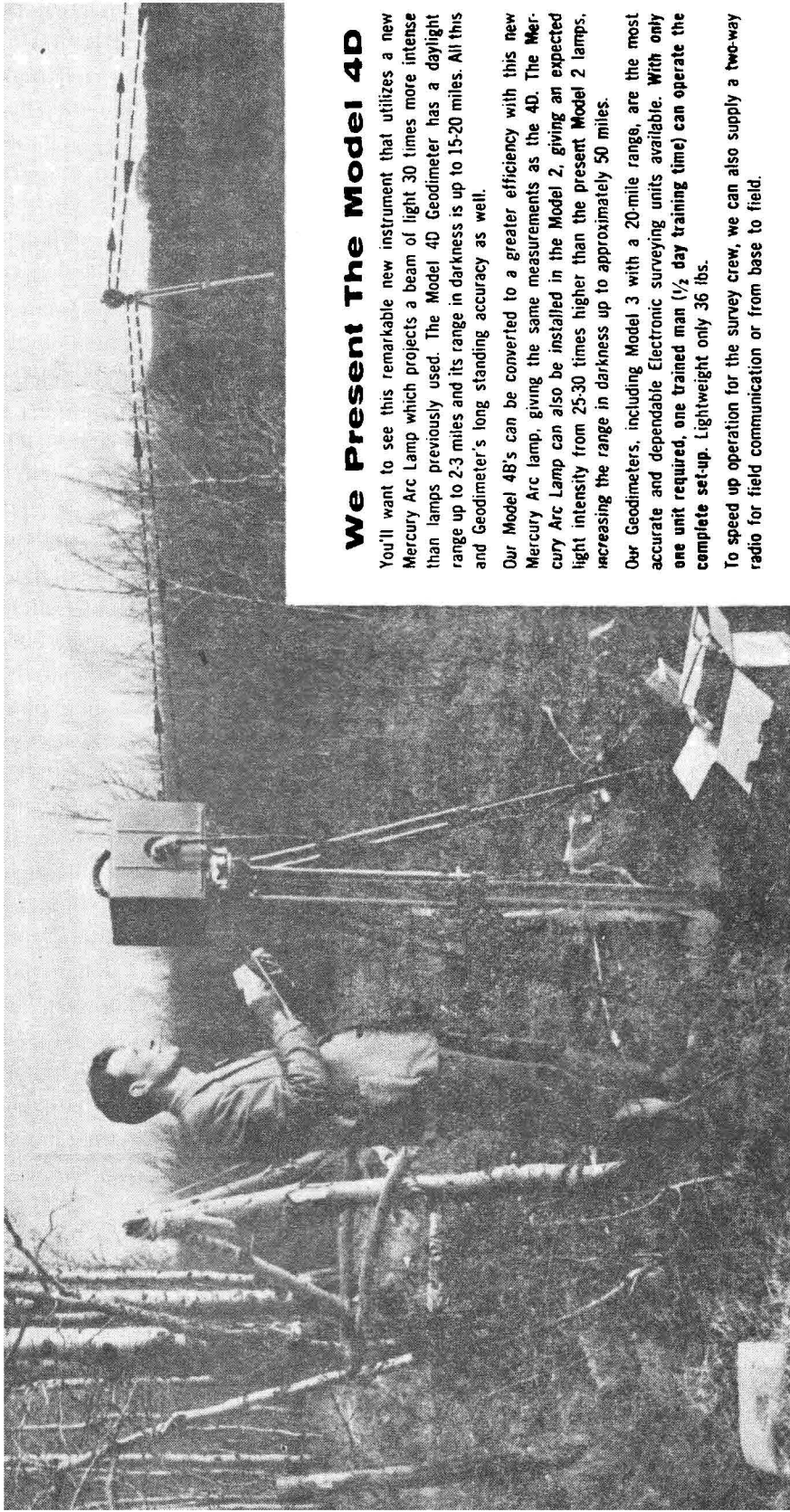
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