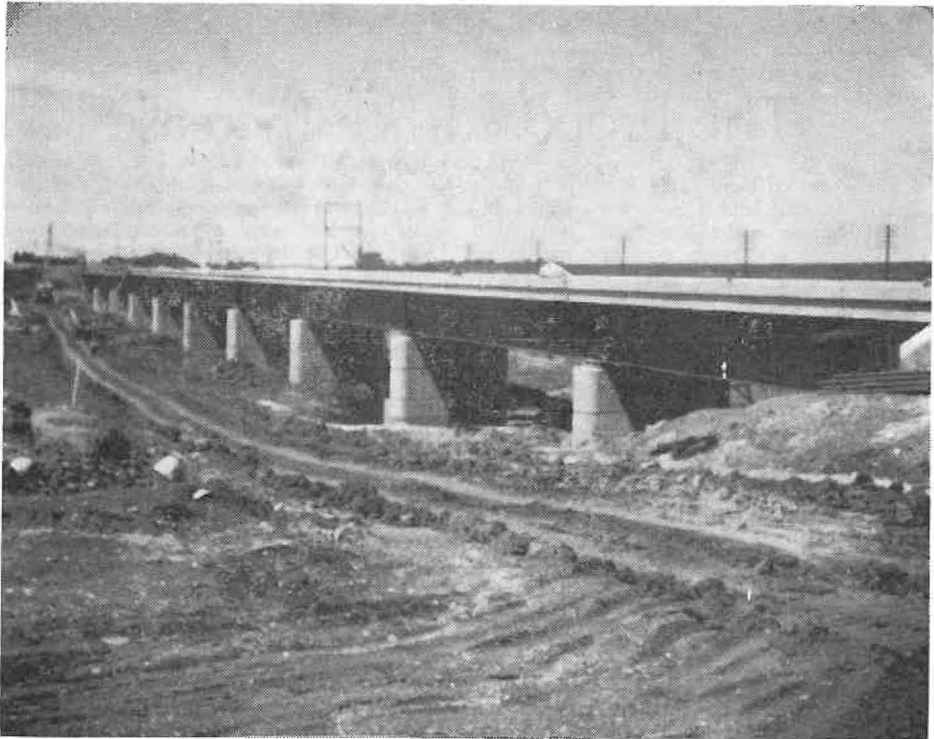




THE MANITOBA PROFESSIONAL ENGINEER

October, 1964

Bulletin of the Association of Professional Engineers of the
Province of Manitoba



Constuction Progress on the Red River Floodway — (See Page 6)

VOTE YES for PROGRESS

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The Proposed Fee Increase

Elsewhere on these pages is a report of the Special Meeting held recently to consider a proposed increase in the dues of the Association. This proposed increase, a modest ten dollars per year, is designed to enable the Association to hire a full-time Registrar and to provide better accommodation for the Association offices.

President Chappell, in an open letter to the members, has outlined many of the reasons why a full-time Registrar would be a decided asset to the Association. Each and every one of these reasons is valid in itself but it is the number and complexity of the reasons that best illustrate the need for full-time guidance of the Association's affairs. The duties of the Association President and Council members are becoming more onerous and more time-consuming with every passing year, as the size of the Association increases and the demands of the members increase apace.

The members of Council are all busy men, with heavy responsibilities of their own, and it is not reasonable to expect them to devote any more time to Association affairs than they are already doing. Yet if the Association is to advance and play the part in the professional activities of us all as it should and must, greater direction must be received from the Association office. This can only be provided by a full-time Registrar who can carry out many long range activities under direction from Council, leaving Council free of details and able to concentrate on policy.

Indeed it is rather amazing that the Association has been able to advance as it has in

the past few years without the services of a full-time Registrar. It is a tribute to the present and past part-time Registrars, to the Executive Secretary, and to the members of recent Councils, that the affairs of the Association have been so capably handled. However, the time has come when this is not enough and a step forward is required. Our present Council, by their initiative and awareness of what must be done, has laid the groundwork for this forward step. We can support them, the Association, and ourselves as individuals, by voting for the proposed fee increase. See that you mark your ballot accordingly.—C.R.McB.



PROFESSIONAL MEETING

To celebrate the tenth anniversary of the founding of the Medico-Legal Society of Manitoba, the Society will host a meeting open to members of all professions at 8:30 p.m. on Tuesday, October 20th. Rt. Hon. Lord Devlin, the eminent British Jurist will address the meeting. His topic will be "The Professions in a Changing Society". Members of the Association of Professional Engineers of the Province of Manitoba are cordially invited to attend this meeting, at the Medical College Auditorium.



STAFF APPOINTMENT

C. R. McBain, P. Eng., Editor, is pleased to announce the appointment of Boris Hryhorczuk, as Staff Cartoonist.

COUNCIL MEETING

August 13, 1964

A Council meeting was held on August 13, 1964, beginning at 12:25 p.m. Present were President Chappell, Vice-President Borgford, Registrar Weber and Councillors Harland, Sommerville, Finnbogason and Hoogstraten.

Following thirty-five minutes of discussion Council decided in a split vote that disciplinary action taken by Council against Association members should not receive any publicity or be published in the Bulletin, even though names were withheld.

A list of new members presented by the Registrar was approved for registration. One application was not approved. Several members who had been removed from the register due to non-payment of dues were reinstated by the Registrar following receipt of their fees, plus penalty amount.

The date of the Annual General Meeting as proposed by the Executive Committee was accepted by Council. The meeting will be held at the Fort Garry Hotel on November 26th. The President asked for suggestions for guest speaker and a general discussion followed. It was decided to try to obtain a speaker on the development of parks as this would be of general interest to all members.

It was agreed that in future the agenda and relative information would be sent to Councillors before each meeting whenever possible.

A request from the Community Planning Association of Canada for representation from the A.P.E.M. on the committee dealing with the proposed new look for down town Winnipeg was discussed. The President was given authority to appoint two members to the committee. There was some discussion on the lack of information received back from other representatives on various committees and it was suggested that members sitting on these outside committees should submit reports to Council of their activities.

The application of Brandon Engineers for formal recognition of their group was discussed. Since no machinery was available at the present time for setting up a chapter, Council approved the setting up of a Brandon Committee and members in Brandon were to be requested to form this committee and send in their own ideas on terms of reference to Council for consideration.

The proposal for having a permanent full-time Registrar was discussed. The report of the committee set up to study the financial side of the proposal was examined in detail. The reasons for having a full time man on the job were outlined.

The proposed by-law amendments were then discussed and each amendment was passed separately by Council.

A Special Meeting to discuss the fee increase required to provide funds for a full-time registrar and the other by-law changes was set for Monday, September 14th.

The meeting adjourned shortly after 5 p.m.—G.R.K.



SPECIAL MEETING

A Special Meeting of the Association was held on September 14th to discuss the proposed increase in fees and the other by-law changes previously circulated to the membership along with the notice of the Special Meeting. About 45 interested members attended the meeting to hear details of the proposed future budgets requiring the additional services which are anticipated.

Main increase in proposed operating costs will be the addition of a full-time Registrar to look after the Association's activities. Some of the benefits to having a permanent Registrar were outlined. These included better employee-employer relationships; increased contact with the members outside Greater Winnipeg; improved public relations; a more thorough study of government legislation affecting the professional engineer; a more efficient operation in dealing with new applications, re-instatements and infractions of the Act; increased co-ordination between committees; and greater recognition in industry of the Professional Engineer.

The other major projected increase was for new office space of double the present size. Any member who has used or visited the present office will know how inadequate the space is, and what a poor picture of professionalism it presents to the public.

Most of the general discussion from those present centered on the question of whether or not a full-time Registrar is required. Some stated that they felt that none of the previous Registrars had been able to do an adequate job in the past due to lack of time available to them. Mr. A. A. Koffman of Flin Flon stated what a great lift it gave to the northern Manitoba engineers when they received a visit from Council. No members present spoke out against the proposal other than to indicate some thought that the \$10.00 increase was not sufficient and that \$15.00 would have been better. Council was praised for its excellent presentation.

The motion for a fee increase was passed with only one dissenting vote. All other by-law changes were also passed by those present.

Before the meeting closed, due praise was heaped on Tom Weber for the fine job he is doing as interim Secretary and Registrar. Tom spends several hours a week in the office and devotes considerable time outside the office to Association affairs. Tom does a thorough job of anything he undertakes and the Association is fortunate indeed that he could be persuaded to devote so much time and his very considerable talents to our affairs.—G.R.K.

Editor's Comment—It is unfortunate that so few members could spare the time to attend the Special Meeting. The acquisition of a full-time Registrar would be a large step forward for the Association and it is hoped that those who could not attend the meeting will give very serious thought to their ballot. Although the amount asked for is large relative to the present fee, it might be well to con-

sider Mr. A. A. Koffman's remarks: "Ten dollars a year is not much to pay for a man looking after your business for you."—G.R.K.

COMPARISON OF PROVINCIAL ASSOCIATIONS

Association	Membership	Annual Fee
Ontario	20,400	\$ 16.00
Quebec	10,500	20.00
Alberta	3,400	18.00
B.C.	2,936	27.00
Manitoba	1,389	15.00
Saskatchewan	935	18.00
Nova Scotia	686	27.00
New Brunswick	500	27.00
Newfoundland	186	10.00
P.E.I.	49	25.00
Yukon	41	8.00



Flin Flon News

By M. N. COLLISON, *P. Eng.*

Further to the news report in the last issue of the MPE concerning promotions at H.B.M. & S. Mr. H. A. McKenzie, who has been just recently registered with our Association, has been appointed Assistant General Manager of the Hudson Bay Mining and Smelting Company.

Mr. McKenzie was born in 1923 at Norgate, Manitoba. Primary and high school education was taken at various centres across the four western provinces. Mr. McKenzie joined the Armed Forces in May, 1943, and was discharged with the rank of Lieutenant in September, 1945. His education was then continued and he graduated from the University of British Columbia in 1948 with a degree of B.A.Sc. in Mining Engineering.

Mr. McKenzie was first employed as a miner by Hudson Bay Mining and Smelting Company in June, 1948. After advancing through several positions in the mine he was transferred in 1953 to the Yukon as Superintendent of Operations in the Wellgreen area. He returned to the Flin Flon Mine in 1956 and was appointed Assistant Mine Superintendent. He was appointed Mine Superintendent in 1957 and Superintendent of Mines in 1961. He is married and has two daughters and two sons, one dog and a summer camp at Little Athapap Lake.

Mr. E. S. Austin, *P. Eng.*, leaves Flin Flon on September 15, for his new home in Winnipeg. As Executive Vice-President of Hudson Bay Mining and Smelting Company, he has been transferred to the Winnipeg office of the company. Both he and his wonderful wife, "Smitty", will be missed by every one of us.

Three Professional Engineers and their wives, along with a fourth couple went to Island Falls, Saskatchewan, on September 8, to defend their claim to hold the North of 55 Golf Championship Trophy. Because we were not successful, it should not be mentioned that Austin, Ogrzylo and Collison were three-fourths of the defeated team.

F. Gira, *P. Eng.*, has just returned from a week at army camp — what a fellow won't do to get out of washing diapers!

R. F. Pearson, *P. Eng.*, after eleven years of service, has retired from active participation in the affairs of the local Sea Cadets. Frank also reports that he had an uneventful four-week trip to Toronto this summer, where he visited relatives. The trip down and back was made in about two weeks — camping out along the way. If looking after three kids, while camping, is unexciting, then Frank says that's what it was.

H. L. Easton, *P. Eng.*, spent three weeks in July vacationing at his cabin at Gull Lake, Manitoba. He reports no fishing but some fraternizing with other members of the Amateur Radio avocation. Having been on Flin Flon's Town Council previously, and serving there again at present, he has been the recipient of many brickbats of sorts but, as Harry just reported, none as disconcerting, or prolific, as the dousing he received today while using compressed air to open a mud-plugged drain on an open-top tank. This is the only Father I have ever heard of who became a Mudder.

By the way, the nail died (what would you expect?) but my foot is fine.



President's Message

By B. CHAPPELL, *P. Eng.*

FUTURE DEVELOPMENT

A report was issued early this summer by a Canadian Council Committee, relating to the "Future Development of the Engineering Profession".

The areas of study embraced many facets of the present and probable future engineering environments, and dealt with the Education and Training, Organization, Scope, and Relationship between the Engineering Profession and existing and new allied Professions.

The committee reported extensively on all the above phases, and brought forth certain conclusions, and recommendations. Space does not permit a full recount of the many details; but the list has a glaring similarity of needs so frequently discussed and advocated by various Provincial Associations, and particularly our own.

You have all been apprised of your Council's recent recommendation to establish a full time Registrar, and the many fields of operation requiring attention and development. Your Association has had a continuing substantial growth, and has reached the proportion where continuing benefits, it is felt, can best be attained with additional permanent staff and improved office facilities.

Your Council is extremely appreciative of the endorsement given by the well-attended Special Meeting on the 14th September, and we trust the results of the letter ballot vote will enable a step further in the orderly and progressive development of the Professional Engineers' interests in Manitoba, and strengthened unity with all Associations across Canada through Canadian Council deliberations.

Construction Progress On the Red River Floodway

By R. M. STOKES, P.Eng.

Construction on Manitoba's Red River Floodway is progressing at a rate close to that envisaged by the "big ditch's" planners.

Fourteen excavation contracts have been let. Most of the contracts call for the moving of approximately 3-4 million cubic yards, although at least one has involved 7 million cubic yards. These contracts were let in comparatively small sizes to permit Manitoba contractors the chance of bidding on them. All of the excavation contracts have attracted large numbers of bidders and the prices obtained have been very competitive. Of all of the excavation contracts let, only two have been awarded to non-Manitoba firms.

The largest contract to be let has been the inlet control structure on the Red River which was awarded to J. W. Stewart and Bird Construction. The amount of this contract is \$6,988,290 which is one of the largest contracts ever let by a provincial government department.

The inlet control structure is located near St. Norbert and will control the amount of water to be diverted from the Red into the Floodway in times of high water levels. Construction on this structure is now underway.

Of the total of approximately one hundred million yards of excavation, contracts for sixty-



two million yards have been awarded and about thirty-five million yards have been moved. This is slightly ahead of schedule.

Six of the thirteen bridges to cross the floodway have been completed. These are four railway and two highway bridges. Two other bridge contracts have been awarded and two more are to be called this fall.

The outlet structure at Lockport has been completed.

Over the entire project, the contractors have had as many as eight hundred and ninety-three men and two hundred and ninety-eight pieces of equipment working at one time.

The cost of the floodway has so far been generally within estimates of its planners. The most expensive excavation has occurred north of Bird's Hill in the glacial till. Here, cost per cubic yard has been between \$0.30 and \$0.35. In the other sections where clay is to be moved the cost per cubic yard of excavation has been between \$0.25 and \$0.30.

Thirty-four million dollars in contracts have thus far been awarded. If future costs follow as closely the estimates of the government planners, then the total cost of the floodway will probably be near the sixty-three million dollar estimate originally placed on the project.



One interesting and notable aspect of the giant project is that no problems have yet appeared that were not previously anticipated. This is somewhat unusual in view of the magnitude of the project. Because the depth of cut through the floodway is as deep as sixty-five feet at some locations, some ground water leakage was expected, but to date there has been leakage at only one location in sufficient quantities to cause difficulties. Some problems with ground water were anticipated on the inlet and outlet structures since both of these structures are founded right in the limestone bedrock. The ground water, however, was not a problem during construction of the outlet structure and at the present time the contractor for the inlet structure is grouting the limestone so as to minimize any leakage.

It is hoped to have a further report on the floodway as the project nears completion in the future.



GOLF TROPHY TO DOUG STEWART

In spite of the mediocre weather, a good turn-out of golfers and other sports turned out for the Fall Golf Tournament at Breezy Bend which was run under the able direction of Bob Byers, Harold Wilson, Siggie Goodbrandson and Lloyd McGinnis, only one of whom won a prize. (A sacrifice made on the part of Committee members to prove that the event is not rigged).

Doug Stewart was the big winner, with a smashing 67½ and he took home the coveted Sullivan Cup which he can clean and polish for the next 12 months.

The Sullivan Cup, which is presented annually at the Fall Golf Tournament, was donated in 1938 by J. G. Sullivan, P. Eng. Dr. Sullivan was a member of the Provisional Council in 1920. In 1937 The University of Manitoba conferred its first honorary degree on an engineer on J. G. Sullivan.

The low gross went to Boris Hryhorczuk which proves that clean living and high thinking are more conducive to good golf than booze. Larry Greer won two golf balls, which proves it pays to have an associate on the Committee. Among the outstanding players on the links were Stan Eagleton, Mel Hanson, Pete Abel and Grant Edgar.

Siggie Goodbrandson's prize was for losing the most golf balls.

Your reporter's notes became somewhat blurred in the heavy dew, but we seem to make out that Larry Kay and Jack Tarnava tied at 111 for the first nine. In a not-so-blurred section our notes reveal that Bill Finnbogason won a special award for the best score (in bar) among non-golfers.

Our thanks to the following for donating prizes: Canadian General Electric, Eastern Power Devices, Canadian Allis-Chalmers, Supercrete, Maloney Electric, Pioneer Electric, Canadian Johns-Manville, Haddin Davis & Brown, M. M. Dillon & Assoc., Harrisons & Crosfield and Canada Salt Co. The calibre of the prizes was excellent, with the Gentlemen of Distinction at H. D. & B. donating a prize that Mr. Roblin has priced beyond the pocket-book of most engineers.—S.J.A.



NEW MEMBERS

The following new members have been registered: P. M. Higgins; R. S. Curtis; H. Heimark; E. Lipinski; A. R. Pick; T. Donkersloot; L. Pop; E. F. Bell; A. C. Floyd; J. G. Geib; V. Thomas; M. H. Tromp; P. J. Waugh; D. E. M. Allen; R. L. Booth; M. G. Britton; G. A. DeCuypere; K. J. Dedrick; W. B. Kochuk; M. C. Lindgren; G. S. P. McNeill; J. G. Macpherson; M. P. Musick; J. P. Nielsen; T. P. O'Connor; A. G. Spafford; A. H. Thompson; W. H. Rempel; J. I. Daniels; R. M. Kirshner; R. W. Newbury; L. B. Spiess; E. H. Talbot; R. W. Temple.



ENGINEERS IN TRAINING

The following have been enrolled as Engineers in Training: K. J. Gowriluk; B. J. Fleishman; C. D. Wilson; M. R. Provart; A. M. Snyder; W. R. Galatiuk; T. R. Buskard; D. D. S. Lang; G. A. Filmon.

CALLING ALL WIVES

Would wives of members of the A.P.E.M. or E.I.C. who are interested in joining the Engineers' Wives' Association, please complete this form and mail it to Mrs. J. K. Hart, Membership Chairman, 153 McLaughlin Ave., Winnipeg 12.

Name

Address

Telephone No.



Introducing . . .

Eugene Weatle, internationally known blues singer, who will be guest entertainer at the Fall Frolic.

SHAKESPEAREAN FESTIVAL

Challenged by the Social Committee to present a skit at their proposed Shakespearean Festival at the Fall Frolic, the Bulletin Committee has struggled to squeeze in discussion time between reporting, attending Board meetings and other bulletin duties. It is possible that a decision as to what to present may be made before the afternoon of October 9th, just in time to get on stage at the Royal Alexandra Hotel that evening.

Unconfirmed reports that the Social Committee is bringing in equity actors make it pretty tough for the Bulletin Committee to attempt equalling their theatrical ability.

Unfortunately, while the Social Committee wardrobe mistress is reported to have found both a wardrobe and a mistress for their group, the Bulletin Committee has not been so favored. Any assistance from the general membership would be appreciated.

We have not been able to prove that our discussion-rehearsal room is "bugged". Trying to nail down the many rumours rampant takes up what little time is left, but members are enjoying renewing their acquaintance with the Bard.

Wives of members of Council are to adjudicate the entries in this Festival and it is gratifying to learn from a member of the Social Committee that these distinguished ladies are completely incorruptible, have resisted all bribes and plan to judge the entries on merit alone. On this basis, we can't lose.

9th Annual

FALL FROLIC

A.P.E.M.

Royal Alexandra Hotel - October 9th, 1964

- *Annual Awards*
- *Live Entertainment*
- *Drama Festival*

(Please note change of place and date. The dance was originally scheduled for the Copacabana on October 2nd. This night club has apparently closed and our plans had to be altered).