



The Manitoba Professional Engineer

Published by the Association of Professional Engineers of the Province of Manitoba
418 — 265 Portage Avenue, Winnipeg 2, Manitoba

Vol. 1

WINNIPEG, MAN., JULY, 1956

No. 1



Members of the 1956 Council at a Recent Council Meeting : (Reading clockwise)—

J. HOOGST RATEN (left end) L. A. BATEMAN W. L. WARDROP R. N. SHARPE C. S. LANDON D. M. STEPHENS N. S. BUBBIS

ANOTHER STEP FORWARD

With the publication of this issue, the Association of Professional Engineers of the Province of Manitoba takes another great step forward.

This Association, incorporated March 27, 1920, held its first general meeting in September of the same year. Seventy-one Registered Professional Engineers were present and M. A. Lyons, P. Burke-Gaffney, G. L. Guy, J. G. LeGrand, A. W. Smith, D. A. Ross and W. P. Brereton were elected to the first Council.

M. A. Lyons, who is residing in Toronto and is now a life-member of this Association, was the first President.

Under the capable direction of Jack Hoogstraten, P. Eng., one of the few persons ever to serve two years as President, the Association has already made great strides this year and 1956 will go down in the history of this Association as a year of great achievement. The Association opened its own offices in January, and this has resulted in increased activity and has stimulated interest on the part of the members.

Assisted by N. S. Bubbis, P. Eng., the Association's Vice-President, who is liaison officer between Council and the Public Relations Committee, this Committee laid the groundwork for the publication of The Manitoba Professional Engineer and named G. T. Christie, P. Eng., as editor. Mr. Christie will be assisted by W. H. Dickins as Managing Editor and E. M. Scott, P. Eng., and D. E. Haig, P. Eng., who have been named Associate Editors. The success of this venture depends on the interest taken and assistance offered by members of the Association.—D.M.L.

Published by the Association of Professional Engineers of the Province of Manitoba

418 — 265 Portage Avenue, Winnipeg 2, Manitoba

President — J. HOOGSTRA滕, P. Eng.

Vice-President — N. S. BUBBIS, P. Eng.

Secretary-Treasurer and Registrar — C. S. LANDON, P. Eng.

The Manitoba Professional Engineer is published under the direction of the Bulletin Committee, A sub-committee of the Public Relations Committee.

Editor — G. T. CHRISTIE, P. Eng.

Managing Editor — W. H. DICKINS, P. Eng.

Associate Editors — E. M. SCOTT, P. Eng.; D. E. HAIG, P. Eng.

LET'S KEEP IT UP

By G. T. Christie, P. Eng.

For years the Association of Professional Engineers of the Province of Manitoba has been a professional society of distinction, with a rather inactive participation by its membership.

Historically "The Engineering Profession Act" of 1920, together with subsequent revisions, defined the requirements of licensed membership.

Since 1936 when he started with us as Association Registrar, C. S. (Charlie) Landon, P. Eng., has probably recorded a lot of statistical material regarding membership growth patterns as well as membership interest.

Considering the latter point, the active interest of the Association meant making an appearance at the annual meeting, listening to the various reports and, except for this year, consuming enough food and beverage to reduce substantially the actual net cost of annual mem-

bership for those in attendance. Fortunately, the evening is not subsidized now. However, in order to fill the gap between Council, the various standing committees and the membership at large, with regard to active knowledge of Association interests, this bulletin has become a necessity.

Previously, without a continuous report on committee happenings, it was difficult to stimulate the interest necessary to give Council and committee members the satisfaction of knowing that we all could realize what work was being done, and, on the other hand, without such current knowledge, membership interest and criticism could not be made known at the proper moment.

Congratulations to Council for authorizing this publication. Let's show them our appreciation by sending in the newsworthy squib or "crank" letter required to fill these pages, and above all, let's keep it up.

PRESIDENT'S MESSAGE

By J. Hoogstraten, P. Eng.

The inauguration of this news letter is another important forward step for the Association, and I hope that it will prove instrumental in consolidating the professional activity of the fifteen-hundred-odd engineers serving Manitoba.

I do not refer to the technical activity involved in membership in Canadian and foreign founded societies, for the volume of journals and transactions found on file in every engineering office and in private libraries attests to our complete recognition of their importance and value.

Rather, I refer to those professional responsibilities which can only be completely discharged through the Association. Of these, I



J. HOOGSTRA滕

feel that the maintenance of educational and professional standards and the control of the conditions of practice as set forth in the Provincial Act are most important. I believe also, that the Associations are intimately involved in the problems facing us in the national technical manpower shortage.

If the Association is to make its proper contribution in the eventual resolution of these problems, complete registration and an informed membership become more and more essential. Obviously, then, a news letter can serve a most useful purpose, and the Public Relations Committee is to be congratulated in bringing it into being.

The Registrar Reports: A Banner Year

By C. S. Landon, P. Eng.

The year 1956 will be a memorable one in the history of this Association in many respects. On January 15, the Association opened its own offices at 418—265 Portage Avenue (Avenue Building). New steel furniture was purchased and the Association acquired such other pieces of equipment as go to make up a well-appointed office. A full-time Secretary has been employed since February 1st.

In order that matters of procedure and policy of Council may be interpreted to committee

pointed R. N. Sharpe, P. Eng., to fill the vacancy caused by Mr. Moule's resignation. Mr. Sharpe is a district engineer in the Highways Branch of the Department of Public Works of the Manitoba Government.

Since the beginning of the year Council has received 127 applications for registration, which exceeds the total number received during the entire year 1955. Since January 1st of this year, 107 engineers have been registered with this Association. The total number of members at present is 677, which is the highest number ever recorded by the Association.

To date this year 20 engineers in training have been enrolled. This also is a new record. During the first six months of 1956, 40 temporary licences were issued, as against 35 for twelve months in 1955 and 41 for all of 1954.

Council is currently undertaking the study of various group insurance plans which have been presented and the members will be advised further on this subject at an early date.

LARRY KAY IN INDIA

Larry A. Kay, P. Eng., left Winnipeg on April 15, with Mrs. Kay, for New Delhi, India. Mr. Kay will work for 12 months with Indian and American personnel on public health projects sponsored by the Colombo Plan, after which he will return to Winnipeg.

WANTED — NEW MEMBERS

The Association is presently endeavouring to register all those persons eligible for registration, currently engaged in the practice of professional engineering in the Province of Manitoba. Please submit to the Association office the names of any persons eligible for registration. Present membership is 677. Let's make it 1,000 by the end of the year.



C. S. LANDON

members at their meetings, one member of Council was appointed as an ex-officio member of each of the standing committees.

At a meeting of Council held on April 12, the resignation of G. W. Moule, P. Eng., from Council was accepted with regret, and Council, on behalf of the Association, extended to Mr. Moule a vote of thanks for his efforts while a member of Council and sincere good wishes for his future. Mr. Moule left Winnipeg for Victoria, B.C., to assume a post with the B.C. Power Commission. On behalf of the Association, Council presented Mr. Moule with a bronze buffalo on a marble base. Council ap-

APPOINTMENT

The Greater Winnipeg Transit Commission has announced the appointment of G. McDermid, P. Eng., to the position of Assistant General Manager. Mr. McDermid, a graduate of the University of Manitoba in Electrical Engineering, entered the service of the Winnipeg Electric Company in 1928 in maintenance and construction work of substations. Since that time he has held the posts of Junior Engineer, Electric Utility; Office Engineer, Way and Structures, Railway Utility; Engineer, Way and Structures; Transportation Engineer, Railway Utility and Engineer and Manager of Properties for the Commission.

DOMINION COUNCIL MEETING

By N. S. Bubbis, P. Eng.

Attending the 19th annual meeting of the Dominion Council of Professional Engineers, held in Saskatoon, May 30th to June 1st, was indeed an interesting and exhilarating experience. The Associations of all ten Provinces and the Yukon Territory, whose combined membership now exceeds 25,000, were represented, as were the Engineering Institute of Canada, the National Society of Professional Engineers of the United States, the National Council of the State Boards of Engineer Examiners and the Civil Service Commission of Canada.

I do not intend, in the short space available, to review all of the important matters, which included standardized registration, publicity and public relations, request for assistance in registering the technical registrar of the Department of Labor, and last but not least, a report on a plan for unity, which were discussed at this meeting since these will all be reported on in detail in the "Dominion Professional Engineer," which will be published very shortly. As this was my first meeting, I would, however, like to deal with some of my impressions and reactions, since these may be of some interest to other members of the Association.

As a result of the provisions of the British North America Act placing licensing of professions under provincial jurisdiction, each association is an autonomous group, operated under its own Provincial Act. Dominion Council, therefore, is actually a federation and can only make decisions which are unanimously approved by all of the individual member associations. Despite this obvious weakness, it is quite amazing to see how Dominion Council functions and to observe the degree of unanimity that is achieved and the amount of progress that has been and is being made on uniformity across the Dominion.

The importance of this achievement may not be immediately apparent nor appreciated by the individual professional engineer. Let me, therefore, illustrate this by taking one example. In Canada, a graduate of the University of British Columbia, who has the requisite experience following graduation and who has been working and is registered in Ontario, will almost automatically be granted a transfer if he moves to Manitoba. This enables him to change his domicile without danger of losing his professional standing and his right to practise engineering. This, however, is not the case between many States in the United States, and a great deal of work and effort are being expended in trying to reach a position similar to that which we have in Canada. As a matter of fact, it may be of interest to mention that a good deal of reciprocity has been established between provinces in the Dominion and neighboring States.

I believe that a great deal of the success of Dominion Council is due to the spirit of co-operation and compromise which prevails, and to the calibre and character of the men who have headed and led the organization since its inception. Our own "Pat" Burke-Gaffney was one of these and made a tremendous contribution during the early days of Dominion Council.

This year the meeting was conducted by Mr. George Demers, President, with the assistance of Col. Sagar, the immediate Past President. It was indeed a pleasure to have the opportunity of meeting almost continuously for more than three days with the representatives of all of the Associations across the Dominion and discussing our problems and comparing our points of view on the numerous topics which interest us. It was also an education in itself to observe the manner in which the President, Mr. Demers, conducted the ses-

sions and to see how he used his firm persuasiveness and Gallic charm to get through a lengthy agenda in the prescribed time, despite the hot, humid atmosphere.

There are undoubtedly considerable differences in thinking and methods of operation and in the constitutions of the individual Provincial Acts, but at the same time there is this spirit of co-operation and compromise which I mentioned earlier. This was demonstrated on a number of occasions, particularly in the discussions on unity. Representatives of the associations which had not had the opportunity of seeing this report prior to the meeting had different views on many of the sections of it and, there may even be a considerable difference of opinion among both individual en-

gineers, the Associations and the Engineering Institute of Canada as to exactly what should be achieved by this plan for unity. There will, as was pointed out at the meeting, undoubtedly also be a considerable amount of opposition in certain sections to any plan for unity. However, in spite of this, I came away with the impression that it was the overwhelming opinion of all those present that some plan of unity was desirable and essential for the well-being of the engineering profession in Canada and that every possible avenue should be explored to see that this plan is drawn up and implemented just as quickly as possible. There was also a feeling of optimism that although it would be a very hard job, it would be accomplished successfully.

HOT AIR EXPERT NAMED EDITOR

By W. H. Dickins, P. Eng.

When the Public Relations Committee was given the task of finding an editor for this publication, its members began making subtle inquiries about various engineers in the Association, in an effort to find just the right person for the job. They wanted someone young, vigorous, imaginative, photogenic, intelligent, capable of assuming responsibility, capable of

delegating responsibility, a good organizer, a good mixer, reliable, prompt, one able to meet the public, someone able to deal with the vagaries of Council, astute, tactful, shrewd and with enough free time for the task.

Naturally the field was quickly narrowed, so narrow that from an original list of 587 members, all but four were eliminated. It was a chance remark by Bill Patton that led to the final choice. He is reported to have overheard: "Gordon Christie reads the editorial page of the Free Press." Here, indeed, was the man for the job and Gordon was immediately appointed. The fact that he was an expert on hot air also influenced the decision in his favor.

Gordon Thomas Christie, P. Eng., M.E.I.C., was born and educated in Winnipeg. During the war he served for three years with the R.C.A.F., winding up as a navigator. In 1949 he received the degree of B.Sc. M.E. from the University of Manitoba and was married in the same year. For one year following graduation, he was employed in Toronto.

Gordon is now employed by Alpha Manufacturing Company Ltd., in the capacity of sales manager.

Gordon Christie first developed an interest in journalism in grade 6 at Queenston School, when he won first prize for his composition, "Why I want to be a Sword Swallower."

However, Gordon's first love was engineering and he abandoned the field of journalism temporarily, hoping that perhaps one day he might be able to combine the two professions. The opportunity has finally presented itself and with this issue Gordon Christie eagerly embarks on his dual career.



G. T. CHRISTIE

THE ASSOCIATION'S REGISTRAR

C. S. Landon, P. Eng., joined the Association during the first year of its existence in 1920, and was the 70th engineer admitted to membership. The contribution Charlie Landon has made to this Association during the 36 years that have elapsed since his registration is unequalled. He has burned many gallons of midnight oil around the Council table and has seen dozens of councillors come and go. He has been Registrar since 1936. He has piloted the affairs of the Association from his own office, from the kitchen in his home and at last he has a well-deserved private office and swivel chair, from which he directs Association matters. He also finds time to render public service to the community as a Commissioner for the Greater Winnipeg Water District and the Greater Winnipeg Sanitary District.

Charlie Landon is amiable and jovial, with a

constant twinkle in his eye and a keen sense of humour. His almost constant air of benevolence has occasionally deluded others into thinking they might put something over on him or that he might be a soft touch for a super salesman. Quick as a fox, Charlie outsmarts them, and then lets out a low chuckle.

There is an anecdote about Charlie Landon which tells more about him than many paragraphs could do. He received a letter which bore the following words typed across the top: "Dictated but not read." Mr. Landon returned the letter to the sender with a brief footnote in his bold handwriting which read: "Opened but not read."

The Manitoba Association is fortunate indeed to have the management of its affairs in such capable hands and it owes Charlie Landon a debt of gratitude which can never be repaid, or even adequately expressed.

Engineers Hold Golf Tournament

T. E. Storey Wins Two Events

Some of the most spectacular golf ever seen in these parts was witnessed at Elmhurst Golf and Country Club on June 5th, when the Association held its annual tournament. Thanks to the enthusiasm of Joe Sill and the expert handicapping of Charlie Landon, the effort was a tremendous success and the contest was a close one.

Top honours for the most spectacular shot of the day were shared by A. W. Puttee and G. J. Foley. Indeed it was difficult for the judges to decide which of Mr. Foley's shots was most spectacular, and Art Puttee was so overcome by his winning shot that he was unable to play the last 7 holes. J. S. Edwards

won first prize of a bottle of rare imported perfume with a low net of 70. A similar prize was awarded to W. Dickins, who played the most consistent game of the tournament, carding an exact 2.37 times par for almost every hole. R. S. Williams, W. Lynn and J. Sill were disqualified for shooting par on more than one hole.

T. E. Storey was the only two-time winner of the day. He won the prize for the high score on one particular hole and his other distinction was in completing the fewest holes, for which there was no award. The tournament and the dinner following were thoroughly enjoyed by all who attended.

NEW MEMBERS

During the first four months of 1956 the following persons were registered as members of the Association of Professional Engineers of the Province of Manitoba:

O. R. Thorsteinsson	J. A. Macdonald
W. H. Worden	G. E. Bandola
G. MacGregor	J. M. MacAulay
J. H. C. Wilson	L. V. Lockhart
J. A. Long	E. Bridges
G. E. McLure	J. Marczewski
G. E. Adamson	U. Raabe
R. K. Alexander	G. N. Range
L. G. Orr	B. H. J. Wilson
F. G. A. Burrows	R. A. McKenzie
D. H. Campbell	J. Jacobs
H. E. Cook	J. A. Flatt
H. E. Cowley	J. C. Macdonald
S. Dolhun	R. Schwartzman
T. D. Enns	G. Swift
G. Flavell	A. R. West
G. W. O. Newman	G. F. Gillespie
W. R. Newton	R. B. Bozek
L. E. Poyser	J. M. MacBride
W. E. Trann	J. J. Arnason
N. B. Vollo	M. A. McNish
F. H. Quirt	I. B. Henderson
G. J. Foley	G. A. E. Campbell
W. S. Robertson	A. E. Hughes
R. A. Gyles	D. G. Riecken
G. R. Kilgour	A. Koropatnick
C. E. Ireland	

TRANSFERS

The following persons were accepted to membership by transfer:

R. Oancia, W. P. Cheney, A. R. Underhill, H. Dederer, R. A. Reid, D. A. Pounder, R. N. Fournier, G. C. Drake, A. F. Knight, W. K. Jarvis, H. O. Coish, B. Y. Lynn, E. G. Smedley, D. A. Fraser.

LICENCES

During the first four months of 1956, temporary licences to practise were granted by Council to the following:

B. T. Kerr	D. J. McKinzie
G. J. Toman	E. P. Innes
R. E. Squire	H. LeM. S. Guille
R. D. Parker	H. E. Barnett
J. C. Sproule	N. J. Allison
W. P. London	F. E. Drake
K. R. Rybka	T. M. Dick
M. E. Erfle	J. D. Mollard
R. V. Tomkins	P. I. Ogilvie
D. A. Barnum	H. E. Atkins
A. W. F. McQueen	A. M. Lount
R. A. McLellan	G. M. Beaumont
R. A. H. Hayes	H. A. Babcock
K. A. Oakley	J. H. Nicholls

ENGINEERS IN TRAINING

Twenty engineers in training were enrolled during the first six months of 1956.

Transfers to Other Associations

Eric H. Martin (B.C.), S. H. Bonser (Ontario), F. S. Heeley (Ontario), J. B. Gordon (Ontario), A. T. Sherrett (Ontario), W. B. Brown (Alberta), J. G. Dickinson (Quebec), R. F. Turner (Ontario).

ENGINEER'S PRAYER

In *Mechanical Engineering* of September, 1954, there appears the following *Engineer's Prayer* by Erhardt C. Koerper of Milwaukee, Wisconsin:

"Teach me, as a Professional Engineer, to constantly search for the Truth and to direct my best Judgment toward the building of worthy goals.

"Inspire me to broaden and deepen my knowledge. Help me to grow in wisdom so I can apply it with a growing understanding of spiritual, social, and cultural values.

"Encourage me to be sincere, understanding, and co-operative in all my relationships — so that I can best promote the dignity and well-being of mankind.

"Keep me humble, anxious, and strong in my purpose to contribute fully in working out the highest destiny of my profession."

SECOND TRY

A few years ago the Association undertook the task of producing a news bulletin. Three issues (mimeographed) were distributed and then, despite the efforts of an enthusiastic and energetic committee, the project was discontinued because the sources of the kind of news and information which went to make up the bulletin dried up.

We welcome a fresh start in "*The Manitoba Professional Engineer*" because the Editor and committee producing it intend to make it a medium for publishing news items of interest to the members. There is no thought that it will, in any manner, be the means of presenting technical subjects.

The editorial staff wants to print items concerning members, which will be of interest to others. Such a bulletin needs the active cooperation of all, either in the way of making available personal notes, such as promotions, transfers, outstanding achievements and the like. You may hear of things that you consider of little or no importance, from the point of news value; however, we urge you to send these in and let the editorial staff be the judge.

—L.S.C.

E. A. Ford Transferred

E. A. Ford, P. Eng., has been appointed as assistant to the vice-president and managing director of Dominion Bridge Company Limited. Mr. Ford has left Winnipeg with his family and has taken up residence in Lachine, Quebec, where the head office of Dominion Bridge is located.

POETRY CORNER

When Dues are Due

The time has come, the Walrus said,
to speak to all of youse,
Who plan to take vacations, before you pay
your dues;
We sent out notice number one, on a cold
mid-winter day,
And 320 engineers this bill did promptly pay.
Notice number two went out to quite a few
of you.
Reminding you that Spring had come and your
fees were overdue.
Seventy-seven engineers got notice number
three,
To open up the piggy bank and pay the annual
fee.
To you who still are on our books, these lines
we dedicate.
We put to you this question: "How much
longer must we wait?"
Before you buy a new sports car, a launch or
fishing pole,
Or get your wife a new chapeau, with matching
blue mink stole,
Or go to California or to the Pyrenees,
We ask that you do just one thing,
BREAK DOWN AND PAY YOUR FEES.

HELP WANTED, MALE

WANTED — REPORTERS AND WRITERS to submit items for this publication. No experience required. Salary commensurate with ability. Time and a half for overtime. Regular coffee breaks. Please send all submissions to the Editor, 418—265 Portage Avenue, Winnipeg 2.

PUZZLE

A Challenge from B.C.

The following puzzle appeared in the April issue of *The B.C. Professional Engineer*. It was correctly solved by five members of the B.C. Association. We challenge the members of the Manitoba Association to compete with B.C. Let's have at least six correct answers. The names of all those who submit the correct answer will appear in the next issue.

The puzzles which appear regularly in the B.C. publication are submitted by their own members. Would any members of the Manitoba Association who have challenging puzzles, please submit them to the Editor. If you don't know of one, make one up.

MONKEY BUSINESS

The problem this month was sent in by John Bathurst, P. Eng. (B.C.), and is tricky in that it is difficult to separate the mothers and the brothers. Here it is:

The age of a certain monkey's mother is now equal to half the age of the monkey, plus the age of the monkey's brother; but in three years' time the monkey's mother's age will equal half the age of the monkey's brother plus the age of the monkey. If the monkey's mother is twice as old as the monkey was when the monkey's brother was half as old as the monkey's mother will be when the monkey is one year younger than the monkey's brother will be when the monkey's brother is three times as old as the monkey was when the monkey was as old as the monkey's brother was when the monkey's mother was twice as old as the monkey's brother, how old was the monkey's mother when the certain monkey was born.

CARTOONIST-ARTIST WANTED

To draw sketches for this publication. Excellent working conditions. Opportunity for advancement. If successful applicant shows initiative he will be put in charge of entire art department after free trial period of 14 days. Apply in person, by telephone, or in writing to Association office.