




**THE
MANITOBA**

**P
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ENGINEER**



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of the
province of manitoba**

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Associate Editor - J. W. J. Lewis, P. Eng.

Committee Members - R. M. Stokes, R. A. Kane, F. S. Gira, C. H. Templeton,
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WINNIPEG, MANITOBA, FEBRUARY, 1974

President's Message

By G. A. DE PAUW, P. Eng.

At my installation as President during the Annual General Meeting on November 29, 1973, it became clear to me that our membership attendance at the meeting indicated a lack of interest in Association affairs and possibly an attitude of "Let George do it." Let me start off by saying that this Association will not be effective if we are going to leave it all to George.

Apathy seems to be prevalent throughout much of the membership of this Association. This may be gauged by the fact that only 9% of our members attended the annual meeting, which must be an indication of a lack of interest. The lack of interest, however, rests with those who were not at the Annual Meeting. The meeting was very well attended by members of Council and Committees.

At the Annual Meeting I first learned that Guy Arnott, P. Eng., had indicated his intention to resign from his position as Assistant Registrar and Career Guidance Counsellor, effective the end of December 1973. Mr. Arnott told the Executive of the Association that one of the reasons

for his disenchantment with his job was the apathy of the membership, and especially the attitude of some few engineers in high positions of authority.

However, the seeming lack of interest by the membership should not be taken as a reason for doing nothing. It would be a serious mistake for the Executive and Council of the Association to sit back and conclude or assume that everything is o.k. It seems to me that lack of interest or the apathy of the membership are forms of silent criticism and must be interpreted as a need for the representatives on Council and the Executive to do something. To me, if there is serious apathy among our members, it is because the Executive and Council have failed to effectively communicate with the members.

If we are to create interest it seems very important that the Association Executive communicates effectively with the membership. To this end your President has established a liaison system between members of Council and Committees. The hard work done by Committees is too often a futile

exercise because the members of these Committees are working in ignorance of the opinions of the elected Council. Therefore, your President has initiated a program to improve communication between key Committees and Council. Council members have willingly accepted the invitation to act as liaison members with Committees. The Councillor and the Committees with whom he will communicate are listed elsewhere in this issue of the Bulletin.

Council met with the Editor of your publication, Mr. Ted Speers. Mr. Speers wishes to hear from anyone interested in contributing to the Bulletin. He and his Committee members deserve much credit for the good job done by them. However, I do believe that Mrs. Loreen Dunklee deserves special mention for the continuing hard work and excellent contribution she makes toward the Bulletin. On your behalf, I extend our sincere thanks and appreciation.

Your Executive has been considering the possibility of travelling to areas outside Winnipeg, such as Thompson, Brandon, etc. when suitable occasions arise, in order to reach out of town members.

Two-way communication is the key to getting something done. I am most anxious to hear from the employee "lunch box" engineers who are doing the real engineering design behind the scenes away from public view.

Therefore, your President would welcome an invitation from any small group of employees to join them at lunch time on a "Dutch treat" basis. My telephone numbers are listed below. Let me know where you regularly eat lunch and I will avail myself of the opportunity to join you.

There is no apathy among members of Council or Committees. Perhaps that is the answer, the key. Perhaps we must find some way of involving more members in Association activities. Let us work together to make this a meaningful year for engineering in Manitoba, and for the Association and its members.

G. A. De Pauw: Office — 946-7877

Home — 452-3792

COUNCIL AT A GLANCE

Many societies have sacrificial rites observed with all the fervour that can only be the product of a group dedicated to a single purpose. This single mindedness has not passed by the committee who is more or less responsible for the assemblance of verbiage affectionately referred to as the "Bulletin". The sacrifice is not forgotten within this group, this being the commitment of one young starry eyed reporter to report the actions of your council.

On December 11th I began my career with a little reluctance at first. However once I found out what goes on within the hallowed chambers my initial apprehension gave way to single-mindedness true of all reporters. Report it as it was. Council began at exactly 4 or 4:30 p.m. with the usual acceptance of the minutes of last meeting, accounts, transfers, reinstatements and licences. Each item required a certain degree of discussion. However all passed with the unanimity which can only be achieved through the most complete talking through of each subject. The meeting rolled right along with consideration being given to appointments to the various committees. They were the appointments to the nominating committee, admissions review board, and the CCPE affairs committee.

Speaking of CCPE the minutes of their meeting held in Ottawa, Nov. 15 and 16 ably attended by Stu Barkwell, P. Eng. were read with comments of the meeting freely discussed; I ate another sandwich and dreamed of the succulent steaks they had there.

The meeting rounded out with a report from the Practice and Ethics Committee regarding an engineer who, if he was judged, I'm still not sure.

There was a talk of trying to do something about redundant requirements required by redundant agencies within the various departments of the governments.

The motion to make the Dean of Engineering an ex officio member of council was defeated, which if I understand the meaning of this Latin term could only have been done as a favour to the Dean.

The final discussion centred around an examination which is to be given to check and see if the new members entering the Association understand the by-laws of the profession. Judging by the results of the test survey conducted most people do have

a good basis. However the good of the test does come out in that it does create a stimulus to increased awareness of the Profession.

The meeting adjourned and I will too.

—R.A.K.

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COUNCIL BLASTS THE BULLETIN OR DOES IT?

The meeting of January 8, 1974 began with the usual routine; the acceptance of the minutes, transfers, reinstatements, etc. However there was a definite air of excitement. One could almost sense that this was not one of your run of the mill meetings.

No siree, because at 5:00 p.m. the regular members of council were joined by E. A. Speers who had come in to answer for the apparent lack of control he had over his staff for allowing the rampant criticism of government policies which has apparently shown up in our Bulletin. What was said to Mr. Speers will be written about in other parts of this magazine, however the consensus of council is that the Bulletin is to cool it a little on the political comments, other than that the efforts of Mr. Speers and his staff were praised(?) The Bulletin is to remain as it is, "A Free Press".

A report from the Legislation Committee was discussed in minute detail. To sum up:

1. The recommendation to add two more councillors was defeated.
2. The ballot is to include the candidates named and a personal background not exceeding 100 words.
3. The method of counting ballots is to be more clearly defined and one can only assume no one on council is too sure how he got there.
4. To answer their doubts a committee is to be struck to review the counting of ballots and they are to put forward a specific recommendation by June 1974.
5. The proposal to limit a councillor to no more than three consecutive two year terms was defeated.

The council had now worn this subject down to the point of no further discussion and they moved on to consideration of the various committees. To demonstrate their total consideration each committee was ratified except one, the Consulting Engineers Committee, as the ratio of consultants versus non-consultants is in conflict with the terms of reference.

The Practice and Ethics Committee had the appointment of Mr. Weber as Chairman and Mr. Finnbogason as Vice Chairman ratified by council.

Discussion now moved to the recommendation that steps be under taken immediately to hire an Assistant Registrar.

The meeting slowly came to an end. However I will cut it more quickly.

—R.A.K.

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OUR NEW PRESIDENT

The Association's new President, George A. De Pauw, is one of an almost extinct species — an individualist. He is Chief Bridge Engineer for the Department of Highways of the Province of Manitoba. He is well disciplined himself and he has a reputation of running a "tight ship."

He is not swayed either by oratory or what is going to be popular. He operates according to the dictates of his own conscience, and in Association matters he does what he believes is best for the public, the Association and its members. He is respected by the people who work for him, both in his own department and in the Association office. He has the courage to fight for unpopular causes and he confines any differences in which he is involved strictly to the issues. He does not let them spill over into personalities and his broad shoulders carry such a load of work there is no room for grudges.

It is no secret among the members that George De Pauw never backs away from a fight, that he is a hard worker, maintains high standards of performance and expects the same from his subordinates.

In these days of the permissive society, how do the members view a disciplined, resolute engineer who will be concerned about how good a job he is doing and not concerned with how popular he is in doing it. What do the members think of their intrepid President? At the last two

annual meetings at which he was running for member of Council, George's name was the first one read out from the scrutineers' report, which indicates he topped the poll.

George's extra-curricular activities include tennis, sailing, hockey with his fellow workers, curling with his wife, Florence, and listening to good classical music.

George and Florence De Pauw have three daughters and one son. Mark is in fourth year civil engineering at the University of Manitoba and won the University Alumni scholarship for excellence in third year. Linda is in second year music at the University of Manitoba, specializing in voice and piano. Lori Ann is in grade 12, she plays the violin, is a member of the Winnipeg Youth Orchestra and has won a trophy at the Winnipeg Festival in the violin category. Mary is in grade 7, is an active member of the Girl Guides and plays both piano and flute. George may be able to form a family orchestra when he retires from bridges and tennis.

George De Pauw is far from being a male chauvinist but he is a strong advocate of fair play and he did notice that the males in his family were not making much of a contribution to the music world. So he rectified the situation. He got two canaries — one male, one female and of course the male is the one that sings.

We look forward to a busy, active and productive year with George at the helm. Any group that doesn't take George up on his luncheon offer (see President's message) is missing out on a very stimulating opportunity.

—T.B.C.

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ANNUAL MEETING HIGHLIGHTS ENDANGERED SPECIES

By R. C. ISAAK, P. Eng.

My usually reliable source has advised that some 150 registered engineers registered for the annual secret meeting of that new rare and endangered species Machinator qui conventi annui adest ("Engineers that attend annual meetings"). This newest addition to the rare and endangered species list is characterized by downcast eyes (in case he is recognized by the more affluent members of his breed) shuffling feet (to rush to the meeting room with), a permanently bent right arm (to more

quickly agree with all motions), and very long dry tongues (to signify direction in which liquid refreshments are to enter this rare bird). The other 92.5% of the genus, "P. Engus", were thought to be hiding in the bushes.

In addition to the dangers of impecunious employers, avaricious technicians and the girls from Circus Maximus the attending engineers were introduced to a new danger by the guest speaker, Dr. Garth Mosher. It seems that Dr. Mosher, as a member of another possible rare and endangered species, "Independentus Medicus", warned those in attendance of the dangers in dealing with the great omnipotent, all wise, leaders of our little kingdom of Manitoba. It was suggested that once the great bird had decimated the obstinate medicos, other independent creatures would soon follow.

The annual meeting passed painlessly into history although Andy Gilliland did attempt with many words, impeccably spoken, to arouse the assembly to a consideration of something called a "Self Interest Group". The interest of the assembled group was so strong that the Chairman almost had to call the meeting to order.

Awards presented at the annual meeting included Honorary Life Memberships to J. B. Striowski and E. S. (Easy Ed) Magill and the Outstanding Service Award to T. E. Weber and A. W. Gilliland.



C. R. McBain presents Life Membership award to E. S. Magill at the annual meeting.

The awards of the bottles of perfume were, as usual, made with complete impartiality. Frank Fowler was definitely not seen the night before stuffing the drum with extra tickets.

A real highlight of the meeting was the introduction of the three non-existent mem-

bers from Lynn Lake, Messrs. Gardner, Plummer and Libby. Some speculated that they had found something better to look at than Clyde McBain but they were persuaded to come and acknowledge their introduction. It was considered to be poor taste that the out of towners should enjoy themselves while the rest of us were at the meeting.

The outgoing President, Clyde McBain, highlighted the handing over of the gavel ceremony by initiating the practise of presenting the incoming President with his certificate of office prior to his retirement rather than after. This was done to ensure that the incoming President would be aware of his misdemeanors as he committed them rather than at his retirement. The incoming President, G. A. De Pauw, accepted both the gavel and the certificate without a blush.

* * *

ENGINEERS AND SELF INTEREST

At its meeting of September 11, 1973, Council agreed to endorse in principle a resolution from the Legislation Committee that "Council be approached to temporarily assist in the formation of a Professional Engineering organization for the purposes of improving relations between Employee and Employer, suggested time of support to be 3 years, such organization to be constitutionally separate from the A.P.E.M." At the same meeting Council requested that the Legislation Committee and the Employee Engineers Committee present for consideration an implementation proposal or feasibility report. A joint meeting of the two committees was held in October and a joint sub-committee was established to prepare the report.

The sub-committee concluded that "a wider viewpoint is necessary and that labour relations matters should be complemented by other matters of concern to individual engineers in order to establish a central body to represent the entire profession and not only members with a particular interest." The sub-committee studied the functions and make-up of "self-interest" organizations in the medical, pharmaceutical and legal professions, all of which have one body to administer the Act for the protection of the public and another separate one to represent the interests of members and to speak out on public issues, membership in the latter organization being voluntary. The following

statement of aims and objectives of the proposed organization is contained in the sub-committee's report that has been forwarded to the two full committees:

1. The promotion of excellence in Engineering work for the benefit of all.
2. The promotion of Engineering services in order that competent advice is available to all.
3. The maintenance of the integrity and honour of the profession of Engineering by promotion of the Code of Ethics.
4. The advancement of Engineering education and knowledge.
5. The negotiations with governments, public and semi-public agencies, and others, with respect to services to be performed by its members, fees and salaries to be charged for such services, terms relating thereto, and the entering into of agreements on behalf of its members with respect thereto.
6. The establishment and operation, for its members, of insurance services.
7. The making of representations on behalf of its members with respect to matters affecting the Engineering profession.
8. The establishment and maintenance of close liaison with A.P.E.M. and other Engineering bodies.
9. The performance of such other lawful things as are incidental or conducive to the welfare of the public and of the Engineering profession.

The sub-committee report states "The economic facts are hard and must be assessed against the benefits to be gained. While membership levels are limited, as they must be in Manitoba, there is no alternative to additional expense for locally sponsored programs. This is a fact of life in Manitoba and always has been."

What the report does not say is that fortunately Manitoba is peopled by Manitobans and the extensive work done by this sub-committee in such a short time is symbolic of what we are capable of.

* * *

RELEVANT AND UNCLASSIFIED

The Editor of the Bulletin appeared before Council to listen to comments from

Councillors and former Councillors. While the consensus at the conclusion of the discussions was that the Bulletin Committee was doing a good job, there were charges that we carried too much political comment and too much humour. We, therefore, assigned one of our senior reporters to the task of going through the last thirteen issues with a ruler and producing a breakdown of just what we do publish. Here are the results. Any member who doesn't wish to accept these figures is invited to go through the same procedure, paying special attention to the Unclassified section.

	%
C.C.P.E.	3.1
Council Proceedings and Councillor Profiles	9.1
Social News	1.8
Human Interest	6.8
General Assoc. News and Comment	7.6
Politics	2.2
Attempted Humour & Satire	9.8
Unclassified	0.3
Social Comment	6.6
University Affairs	1.8
Letters to the Editor	8.3
Notices	6.9
President's Message	5.3
Practice and Ethics	2.4
E.I.C.	1.4
Professionalism and Membership	3.9
Technical or Semi-Technical Articles	5.8
Committee Reports, Notes on Annual and Special Meetings	11.1
Sport News	3.7
Employee Engineers	1.6
Salary Survey	0.5
	100.0



BAND WAGON PERSONS

What should be the posture of the Association bandwagonwise? Should we lead it, ride it, drive it, pull it or just watch it go by?

In Winnipeg's Centennial year we can review the record with satisfaction. Those who went before installed a fresh water supply that has served for fifty years. Winnipeg had secondary sewage treatment before the hot line commentators ever heard of pollution. We had wide roads with street cars and trolley buses. We had abundant clean electricity before ecology had been discovered. In the past engineers were leaders and engineering works were recognized for the benefits that they brought to the community.

At the Annual General Meeting a speaker from the floor suggested that the Association should be a leader of public thinking, offering the government and the public advice on topics such as A Heavy Water Plant for Manitoba. We see the Winnipeg convention centre and many fine buildings being erected downtown yet no new bridges across the Assiniboine River. So called highways are built without service roads. See the tenements being built between Pembina "Highway" and the tracks with no thought to safe access. Now the politicians are advocating a new airport. It is true that the employees use most of the parking lot so as to provide maximum inconvenience to the paying passengers but with creative imagination the problem could be solved.

Let's not ride the band wagon, it's probably going the wrong way. As a privileged body instituted by the public we should help the public in its deliberations. It is good to see that the Association has been invited to assist in advising the Manitoba Government in the formulation of an Energy Policy.

-J.W.J.L.



A.P.E.M. MERIT AWARDS OUTSTANDING SERVICE AWARDS

Members are invited to nominate candidates as possible recipients of the above named Association Awards.

The basis on which merit for the Merit Award may be judged shall be:

1. A contribution to the literature showing outstanding scholarly achievement;
2. Magnitude of works successfully completed;
3. The pioneering achievement in fields of engineering or of engineering application;
4. Outstanding public service.

Outstanding Service Award candidates shall be members of the A.P.E.M. who have performed outstanding service to the Association.

Members wishing to nominate candidates for either award should request complete terms of reference and guidelines from the Association office:

S. BARKWELL, P. Eng.
Chairman, Awards Committee

STATISTICS YOU WERE WONDERING ABOUT

January 31, 1974

By A. G. KULUK, P. Eng.

A.P.E.M. Membership by Location (as of December 1973)

	Actual Number	Percentage of Total
Canada	1,888	96.9
United States	38	1.9
Foreign	24	1.2
	<hr/> 1,950	<hr/> 100.0
Winnipeg Area	1,335	68.4
Manitoba (excluding Winnipeg)	210	10.8
Manitoba (including Winnipeg)	<hr/> 1,545	<hr/> 79.2
Out of Province	405	20.8

Membership by Employment (Province of Manitoba Only 1972)

	Percentage	
Public Utilities	15.2	} 38.2 Government — all levels
Provincial Government	10.4	
Federal Government	7.9	
City and Municipal	4.7	
Manufacturing & Industrial	26.0	
Consulting	18.9	
Educational	6.6	
Construction & Contracting	3.1	
Other	7.2	
	<hr/> 100.0	

Membership by Engineering Discipline (Province of Manitoba Only, 1972)

	Percent of Total
Civil	37.3
Electrical	22.2
Mechanical	18.2
Mining & Geological	5.3
Other	17.0
	<hr/> 100.0

Major Employers of Discipline (Province of Manitoba Only, 1972)

Discipline	Major Employer	Percent of Total Discipline Employed
Civil	— Government, all levels	46.6
	— Consulting	23.7
Electrical	— Government, all levels	52.9
	— (of which Public Utilities constitute)	40.6
Mechanical	— Manufacturing & Industrial	41.6
	— Government, all levels	22.2
Mining & Geological	— Manufacturing & Industrial	53.7
Other	— Manufacturing & Industrial	34.8

We extend our congratulations to J. L. Charles, P. Eng. an honorary life member of this Association who was recently awarded the Order of Canada. This award is presented in recognition of outstanding achievements and service to the country or to humanity in general. Major Charles is a very deserving recipient.

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THE IMPORTANCE OF DESIGN CALCULATIONS

A decision of Council which found an engineer guilty of professional misconduct and negligence was appealed to the Court of Queen's Bench of the Province of Manitoba. The Judge upheld the decision of Council and in his written judgment he said in part: "THE APPLICANT DID NOT PRODUCE HIS ORIGINAL DESIGN CALCULATIONS AND THIS WAS INEXPLICABLE AND INEXCUSABLE."

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COUNCILLOR, ALLAN G. MOFFATT, P. ENG.

By D. G. RAMSEY, P. Eng.

Allan Moffatt is a partner in Reid, Crowther and Partners and serves on the Board of Directors and as a member of the Executive Committee.

He was born in Toronto in 1919 and received his education in that city, culminating in 1944 with a B.A.Sc. in Civil Engineering from the University of Toronto.

Following graduation, he served as an officer in the Royal Canadian Engineers. In 1946, he accepted a position as assistant engineer with the Township of Etobicoke (now the Borough of Etobicoke of Metropolitan Toronto) and gained a broad experience in all phases of Municipal engineering as the population of Etobicoke expanded from 17,000 in 1946 to 168,000 in 1958.

In 1958, Allan became a partner in Haddin Davis and Brown Co. Ltd. and moved to Winnipeg to manage their Winnipeg office. In 1965, Haddin Davis and Brown Co. and Crowther McKay and Associates joined to establish Reid, Crowther & Partners, and Allan became Vice-Presi-

dent at that time. As of October 1973, he has been appointed Senior Vice-President of Operations.

Allan has always been very active in community affairs, ranging from his role in promoting and facilitating the Pan American Games, to Chairman of the Manitoba Division and then National President (1968-70) of the Community Planning Association of Canada. Currently, he is serving in a number of local and national capacities with the Anglican Church of Canada and is the Executive Vice-President of the Board of Management of the Winnipeg Symphony Orchestra.

With a winterized cottage at Minaki, Allan tries to spend as many week-ends as possible at the lake, swimming and boating in the summer, and cross-country and down hill skiing, snowshoeing and snowmobiling in the winter. He is quite positive about the fine quality of life in Manitoba and is now a converted enthusiastic Westerner.

Mr. Moffatt has been registered with the APEO since 1946, with APEM since 1958, and has served four years on the APEM's Consulting Engineers Committee. He is a member of a host of national and international engineering organizations too numerous to list.



A. G. Moffatt, P. Eng.

As an APEM Councillor, Allan sees his role as

- (1) fulfilling his responsibilities as a counsellor relative to the enforcement of our Act
- (2) assisting in the development of a balanced program of activities for all of our members
- (3) promoting participation of our members in community affairs and
- (4) establishing a more co-ordinated and identifiable national image of the engineering profession in Canada.

Allan Moffatt brings to Council a national viewpoint on engineering matters and a broad background of managerial experience. With this input, I am confident that Allan will prove to be a most worthy Councillor.

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We regret to record the deaths of M. F. O'Day, E. J. Bedard, S. J. Kapinga and W. F. Baker.

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FLIN FLON NEWS

While Flin Flon news has been lacking from recent issues of The Manitoba Professional Engineer, this report should be quite voluminous. Previously, the October request came while Ethel and I were on holidays to the West Coast and including Vancouver Island where we celebrated Thanksgiving with a fried oyster dinner. A most enjoyable trip and capped off by returning to Winnipeg via train and the CNR's "car go rail" deal which I can highly recommend. Sitting on a train instead of driving has everything going for it.

As for the news from here I suppose one should start at the top. So here goes: Effective January 1, 1974—

W. A. Morrice, P. Eng. has retired as President of Hudbay after over 33 years of service. Sandy is planning to remain in Toronto.

He is replaced by H. A. McKenzie, P. Eng. as President of Hudson Bay Mining & Smelting Co., Ltd. Hal has been with us since 1948. He was appointed to the board of directors in April, 1973.

J. S. Warick, P. Eng. has been appointed Senior Vice-President in charge of operations.

Succeeding Joe as Vice-President — Mining, is J. R. G. Sadler, P. Eng. Bob has been general manager here in Flin Flon the past two years and will be moving to Toronto shortly.

Also moving to Toronto are R. F. Pearson, P. Eng. and M. N. Collison, P. Eng. Both Frank and I will be going into the Development Group there with Collisons anticipating the move in the next few weeks.

Taking over as reporter for the Flin Flon news will be F. S. Gira, P. Eng. Frank has been around here for quite a few years and is well acquainted with the people and places concerned with Hudbay operations.

A frequent visitor to our operations is H. S. Banasuik, P. Eng. Harry is District Mining Engineer for the Department of Mines and Natural Resources of the Province of Manitoba. Since his visits to our operations are in an official capacity, is he a visitor?

W. J. Stickney, P. Eng. was well visited over the Christmas holiday with his daughter and grand-daughter here for a few days from Burlington, Ontario and his son here from Williams Lake, B.C.

As this is my last effort at being a reporter for the Manitoba Professional Engineer, I would like to take this opportunity to say how much I've enjoyed the friendship and associations with the many people both in and out of the Association office during the past 18 years. Most especially to Mrs. Dunklee for all her friendly and some not so friendly reminders and communications. Since I'm only going to Toronto — not out of this world — may our paths cross frequently in the years ahead.

Very truly yours,

M. N. COLLISON, P. Eng.

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It was so cold in Winnipeg New Year's Eve that a bottle of the government's finest rum froze solid.

HAIL TO MAC COLLISON — AND ADIEU

Mac Collison, who has been the Flin Flon reporter for the Bulletin for 18 years, has been moved by his Company to Toronto (and will in future be known as the Hogtown Foreign Correspondent.) Through Mac we have come to feel we know many of the engineers in Flin Flon. In his usual efficient manner, he has even found a successor, F. S. Gira, and we welcome him to the fold.

The Bulletin Committee speculated on the cultural shock that would be a natural concomitant of moving from Flin Flon to Tranna. Given a choice, all the members of the Committee but one would prefer Flin Flon. We wish Mac well in his future endeavours. We hope he will be warm enough and can drive his car, and when he gets lonely for friendly faces we trust he will stop off in Winnipeg en route to Flin Flon. We would be pleased to see his affable presence, the ever-present cigar jauntily perched on one side of his mouth, in the office any time, particularly at a Bulletin Committee meeting. Since we have more members in Toronto than we have in Flin Flon, he should be busy as our far-eastern foreign correspondent. —SJA



DISCIPLINARY ACTIVITIES OF THE ASSOCIATION

Part I — Members

It was made clear at the 1973 Annual General Meeting of the Association that it is not sufficient to carry out the enforcement of the Engineering Profession Act but that it is equally important to inform the members and the general public of these activities.

Section 26 of the Act defines the Disciplinary Powers of Council and this Section applies only to members of the Association.

Any action under this Section requires that a formal complaint be filed with the Registrar by an individual, (who may be a member or the Chairman of the Practice and Ethics Committee.) No disciplinary action may be taken by the Council, acting as an Administrative Tribunal without the holding of a Formal Hearing at which the member complained against has the oppor-

tunity to appear in his own defence, with or without Counsel. Over the last three years, three series of hearings have been held resulting in two suspensions of which our members have been informed. In the third instance, the Court of Appeal ruled against the Association's right to continue the hearing.

Since the establishment of the Practice and Ethics Committee under By-law #40 complaints against members are normally received in writing by the Committee. It is the function of the Committee to make the necessary investigation and where it deems necessary, a formal complaint is laid with the Registrar. Council's function at this stage is to act as Judge and Jury and to consider only evidence presented during the hearing under oath, in reaching a decision. Because of the serious nature of such Tribunals and the absolute necessity to follow correct legal procedure it has been found necessary to retain legal counsel during the entire procedure.

If an appeal is filed, all evidence must be in a form acceptable to the Court of Queen's Bench and to the Manitoba Court of Appeals. In the interest of the accused, rules of natural justice must be strictly observed.

A further function of the Practice and Ethics Committee is to advise members, usually at the members request, of proper professional conduct to be followed. The committee may also, without receipt of a complaint, initiate an investigation which may lead to the filing of a formal complaint. In the past, examples and lessons learned from the investigations of the Practice and Ethics Committee have been published in the Manitoba Professional Engineer. It is the intention of the Committee and of Council that this policy be resumed.

Part II — Non-Members

Authority for disciplinary activities against non-members of the Association is provided for under Section 11, 15 and 19 and Sections 28 to 35 of the Act. These Sections include Employment of Engineers, Authority to Practise, Prohibitions, Penalties, Prosecutions, Time Limitations etc. Contraventions *by non-members* are dealt with by the staff, by Council, and when necessary, consultation and action proceed with the assistance of the Association's solicitor. Many non-members are unaware of the existence of the Act and others are unaware of its contents. A simple letter to the non-member pointing out the contra-

vention and requesting a commitment to cease and desist is usually sufficient. A continuous educational process in this regard is being conducted by letter, phone call, or personal visit.

If the letter from the Registrar does not receive the desired response a second letter is sent, often from the solicitor and very few recipients ignore this mailing. If compliance or agreement is not reached at this phase, the matter, with a legal opinion, is referred to Council which decides if a complaint is to be filed through the Civil Courts. Any member of the Association may bring apparent contraventions to the attention of the staff to be acted upon. Business cards, letterheads, published ads or signs are examples where contraventions by non-members become apparent and can be confirmed.

Seventeen apparent contraventions have been investigated since July 17, 1973 of which fourteen, have been resolved, meaning that compliance with the Act can be expected in the future. Of the balance, one case is at the second Association letter stage, another is being pursued by the solicitor. One firm appears to be out of business and registered letters are being returned. In addition, the Association is continuing to carry on dialogue with the Management Committee of Cabinet requesting adherence by the Provincial Government to the Engineering Profession Act with regard to engineering job titles and employment vacancy ads.

The seventeen instances previously referred to, involved our questioning of the propriety of a building sign, job site sign, billboard ad, business card, company name, listings in the telephone and trade directories and ads for engineers or ads for technologists where the duties imply engineering work.

Our efforts in the non-member disciplinary field are geared to the time available to pursue this activity. Council wishes to alert our members to the fact that much is being done to carry out our obligations under the Engineering Profession Act and that disciplinary activity will remain high on the priority list.

T. W. ALGEO, P. Eng.,

Managing Director and Registrar

New Registrations, January 8, 1974

J. P. Welch, B. F. Fan, A. P. B. Anderson, D. Sos, M. C. Whetter, H. M. Surminski, D. G. Hysop, B. Rosenstock, R. J. Houston, T. L. Stratton, W. D. Ramore, B. P. Kendall, J. G. Hawkins, W. H. Weiss, K. Ito, R. G. Quirk, J. H. Ellis, J. R. Lawrence, B. V. Halkewycz, R. Girulski, D. R. Ediger.

Engineers In Training Enrolled, January 8, 1974

G. R. Gevaert, and J. G. Delaney.

New Registrations, Feb. 5, 1974

P. Martin, R. M. Mazur, B. P. Rempel, C. R. Blyth, M. E. Van Den Bosch, M. C. Chaturvedi, J. E. Kaye, G. J. N. Rheault, D. D. Nelson, E. D. Lifors, M. S. B. Tan, I. I. C. Martens, B. S. H. Yue, G. E. Thompson, D. W. Ruth, R. E. Fulford, R. L. Middleton.

Engineers In Training Enrolled, January 8, 1974

S. C. Hilderman, B. F. T. Fletcher, J. K. L. Chan, B. R. W. McMullen, C. C. Leong.

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AN HISTORICAL PRECEDENT

Sir Gavin de Beer reports that Rome came into being composed of three communities Ramnes, Tities, and Luceres about 753 B.C. The main asset of the new Unicity was its controlling the crossing of the Tiber. For this reason bridges came under the direct care of the chief priest or Pontifex Maximus (Chief Bridgeperson).

2726 years later Chief Bridge Engineer George De Pauw was elected President of A.P.E.M. By extrapolation we may conclude that the President in 4699 will again be a Chief Bridge Engineer. —J.W.J.L.

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Over the festive season a member of another profession (not the first one) was overheard to say "The fact that one is a graduate engineer does not guarantee that he knows anything about engineering, but it indicates with some certainty that he knows nothing about anything else." This

publication is proof that he is wrong. We have spoken out on such subjects as cooking, housing, renovations, politics, sports, social notes, other professions, books, women, meetings, comfort stations, fees, culture and non-culture. Who could ask for a more well rounded group.

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LETTERS

Opinions expressed in Letters to the Editor are not necessarily those held by the Bulletin Committee, the A.P.E.M. or the Council of the A.P.E.M.

Dear Editor:

In the pub I heard that Council had called you on the carpet because the Bulletin has too much supposed humor and political comment. I agree and I'll do my share. That kid of mine's career as a reporter for you has now been terminated. She certainly never contributed any humor unless comments that I have no social conscience is considered funny. She is growing up to be a real pinko and the time is long overdue when her claim of social justice (getting an increased allowance, a LIP grant and now Unemployment Insurance) receives its just reward — a good swat across the butt.

I have had her turn in her editorial pencil and I have given her a dish towel and told her to stay in the kitchen where she belongs.

—DEBBIE'S FATHER
Age 41

Dear Debbie's Father:

The Bulletin Committee has considered your letter and passed the following resolution unanimously:

RESOLVED THAT Debbie's Father be asked to stop acting like a male chauvinist u-no-wot and let the kid do her own thing. He should take up the tea towel himself and give Debbie back her editorial pencil.

You have a perfect right to disapprove of any radio program, television drama or newspaper editorial. You also have the right to take a dim view of Debbie's letters (we suspect the latter is jealousy.) However, we ask you to bear in mind that no form of media can be all things to all people. Surely you do not read and enjoy all of your daily newspaper — but you

pay for it all. Can't you learn to be selective, and let others do the same? We have 1918 members and we have received only 1916 letters complaining about Debbie's letters, so presumably two members enjoy her efforts. They have their rights. Next time you are in the pub with your engineering friends ask them if they can top Debbie's work. Why don't they send us in some contributions about lemming migration, which is neither humorous nor political! Meanwhile give your 8 year old kid back her pencil and get off her back before we report you to one of the many do-gooder societies set up just to take care of people like you.

While we disagree with what you say, we defend your right to say it, so we have published your letter.

—THE EDITOR

P.S. The kid is still on our Bulletin Committee.

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COUNCIL AND THE BULLETIN

Oh to be on the Bulletin Committee
Now that Council's comments are there.

As reported elsewhere, our illustrious Editor was summoned before Council to hear the views of Councillors on this publication. He returned to the Committee to advise that the present format was all right and that the existing format should be changed. There was too much political comment; the amount of political comment was all right. There was too much humour and the amount of space devoted to humour was satisfactory, and that humour should be maintained. The government might reject us because of our political quips (horrors!) With these guidelines before it, the Committee set to work. And in future, things will be very much the same, only different.

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CLEAN LIVING PAYS OFF IN CURLING

Guy Cooper, with Ron Gordon, Merc Corkal and Barry Rowley won the President's Cup at the curling bonspiel and during an interview after the game Guy said part of their victory could be attri-

buted to training. While other curlers headed for the bar in between games, Cooper and his teammates stayed in the coffee shop. They knocked off defending champions Friesen, Hermanson, Walker and Solmundson in a close exciting final match. Harold Wilson dropped in mid-morning and remarked that he noticed Friesen had had to dip into the mechanical bin to beef up his civil rink.

John Ross emerged victorious in the B event, after 2 extra ends, with help from Messrs. McBain, Crawley and Boese. They defeated the highways contingent of Adamson, Kavanagh, Prentice and Morningstar, the only rink of the day to bring in its own cheering section. Larry Greer won the C event with Charlie Main, Bob Morrison and some architectural assistance. The C event runners-up were Sports Committee Chairman Bill Mackenzie and his henchmen, Bob Jeske, Jim Linton and Alex Brown, who curled and worked hard all day. The Booby event was won by Frank Arnason (the same Frank Arnason who was hit on the head with a golf ball at one of our tournaments.) With considerable help from Gordon Marshall, Murray Potter and Gerry Langman they managed to tally up 7 points in the whole day's outing.

By 9.05 a.m. Messrs. Kurtz and Hawkins were already sitting down on the job. Hawkins got off to an unusual start by trying to impersonate Ross Adamson's team but they were discovered on the wrong sheet against the wrong team part way through the first end. This meant that Ken Hallson's group had additional work to do to no avail.

The curling notice asked that team members be listed in "order of drinking ability." The skip's ranking was only a guide and the decision of the judges, based on performance at the bonspiel, was final. There were several changes in ranking and final results may be obtained by contacting any of the judges.

The rink of Ludwick, Tillotson, Fraser and Hildebrandt came in marked "All equal in drinking ability." The judges' final decision in this one case has been reserved but such talent in writing did not go unnoticed and the author is now a proud member of the Bulletin Committee.

Bob Foster was without his glasses and as a result couldn't see what he was putting on and he lost the title of best dressed engineer to Barry Tinkler. Worst dressed

honors went to Wayne Stewart who wore his Hallowe'en costume — orange and green toque, egg-colored sweater (with stripes) plaid slacks, lime green socks and shoes that did not come close to matching each other. Ed Lipinski had the best hat and Ed Rivalon the best hair-do.

Eleven curlers got their draft notices for committee work. Dave Sharpe dodged the draft but got stuck for staff coffee. Rural areas were well represented with Merv Robinson and Barry Tinkler from Carman, Doug Struthers alias (Strithers) from Steinbach, Ray Sochaski, Lloyd Foster, Norm Arrison and John Westdal from Pinawa, Henry Morningstar and Barry Prentice from Boissevain, Sean Kavanagh from Brandon, Merc Corkal and Guy Cooper from Dauphin.

Members of the Bulletin Committee who were present were pleased to note that the regular publication of a clean, uplifting family-type journal has had a wholesome effect on the members. During the late afternoon when the retired curlers had a choice of watching the finals on the ice or the go-go dancer in the lounge, among the older more dignified members who were grouped around the windows watching the curling were Blair McLenaghan, Bob Morrison, Ken Hallson, Gordon Marshall, Gerry Langman and President George De Pauw. They set a very good example for some of the younger members who were seen peeking up periodically from their drinks in the direction of the entertainment.

It was gratifying to see a number of our new younger members participating in the bonspiel. President De Pauw mixed about during lunch and after the curling, so that many of the newer members had an opportunity to meet him. Unfortunately they also had an opportunity to find out how he curls — 12 of them had this experience personally, plus Councillor Allan Moffatt who skipped the rink on which George lost his three games.

The two members of the Highways Department who had to work that day, Bryan Johnston and Al Boychuk, did come out for the lunch.

Prizes were donated by Dominion Bridge and B.A.C.M. Because the Sports Committee always wins something and gets a lot of flak from the Bulletin Committee, Chairman Bill Mackenzie figured he would dispose of these snide comments if he personally donated the prizes for the booby winners. Which he did. That won't do it,

Bill. If you want to get rid of the flak completely, try donating your prizes directly to the Bulletin Committee.

It was a very successful bonspiel. Our thanks to Bill Mackenzie and his keen Sports Committee, who wish to thank George De Pauw for participating and presenting the President's Cup. We also wish to thank the eleven curlers who so kindly "volunteered" their services to various Association Committees. They will learn what Bill Mackenzie and George De Pauw already know — that the more you put into an organization, the more you get out of it. —S.J.A.

As we go to press, a usually reliable source (one of the members of the winning team) has reported that his team was 3 up on the 6th end, they caught sight of the Go Go dancer in the lounge from their vantage point on the ice, and blew their win which meant a final end had to be played. Fortunately they were facing the other way and the skip can keep his mind on the game under any circumstances.

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PINAWA NEWS

By JOHN WESTDAL

I was most fortunate, during a lull in the Association Bonspiel, to sit beside our Executive Secretary, Mrs. Dunklee. Thanks to her persuasiveness you will now be getting all the latest news on a regular basis, from Manitoba's Atomic Capital.

Within the last few months there has been some personnel shuffling at our establishment and two engineers have moved to new management positions. Alex Mayman is now head of Chemical Technology Branch and Bob Pollock is head of Reactor Technology Branch.

I am sure the Association will be glad to hear of our recent policy on the use of the engineer's seal. From now on all drawings being produced at our establishment for construction projects must be stamped by an engineer registered in the Province of Manitoba. A few of our engineers who were registered in Ontario complained at first about the high cost of belonging to the Manitoba Association, but once they joined they realized that the extra prestige was well worth the small additional cost.

COMMITTEE LIAISON COUNCILLORS

At a meeting of Council held on December 11, 1973, the following Councillors were appointed to provide liaison with specific Committees:

- A. G. Moffatt — University Liaison Committee
- A. W. Gilliland — Consulting Engineers Committee
- E. F. Glass — Employee Engineers Committee
- D. R. Grimes — Legislation Committee and C.C.P.E. Affairs Committee
- C. R. Bouskill — Public Relations Committee
- J. S. Hicks — Membership Committee.
- R. E. Scouten is Chairman of the Admissions Review Board and N. P. Feschuk is Vice-Chairman.
- Past President C. R. McBain acts as a Director of C.C.P.E., is a member of the Awards Committee and is Chairman of the Nominating Committee.

The President and Registrar are ex-officio members of all Committees.

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DRY HUMOUR

By L. J. WHITNEY, P. Eng.

I had occasion recently to talk with an old farmer about a proposed water development project in south-western Manitoba. He needed no convincing about the merits of the project, he was happy to see anything constructed that would alleviate his perennial drought situation.

"You know," he said, "this country is so dry that we've got bullfrogs here who are eight years old and have yet to learn to swim a stroke."

"You must be exaggerating," I said. "It couldn't be that dry around here?"

"Hell," he said, "you've heard about that time when it rained for forty days and forty nights . . . we only got half an inch."

"Well I guess you've had a pretty rough

time making a go of farming with such a shortage of water," I asked.

"Well times haven't been all that good," he said. "I can remember the winter of 1934, things were pretty bad."

"Was that summer particularly dry?" I asked.

He gave me a disgusted look and replied, "The only year that we had that was drier was 1921 and they called that prohibition!"

"How tough was that winter?" I asked.

He chuckled and said, "I can remember all of us getting together at Christmas for a family portrait and those of us that didn't have any pants had to stand in the back row!"

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UNSOLVED MYSTERY

A plaque reading: FURNISHED BY THE ENGINEERS ALUMNI ASSOCIATION OF THE UNIVERSITY OF MANITOBA was recently mailed to the Alumni Association with no indication as to who sent it or from whence it was removed. The only clue is that whoever mailed it spent \$1.80 on postage. Guesses as to where it came from now include Queen Elizabeth Hospital, the Common Room, the Arts John, the High Voltage Lab. No prize is offered for the correct guess, since the Association itself does not know the answer. Will the person who mailed the plaque or any person with any knowledge about it please contact either Pat Feschuk, Bruce Menlove or the Association office.

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MORE GOVERNMENT WASTE

We received a "Dear Householder" communication from the Manitoba Postal District, in two languages (it takes one paragraph more to say it in French), no doubt circulated at our expense. It explained that letter carriers are "flesh-and-blood people". That was not news to us. The circular pointed out that many things "can stay Letter Carriers from their appointed rounds, — things like ice and snow-covered steps, broken or snow-covered paths, toys and bicycles lying on walkways, broken

stairways, even mail boxes hidden under snow." There was no mention at all of the prime event that keeps letter carriers from their appointed rounds — strikes. Has it not occurred to the Manitoba Postal District that we are the main users of our own walks and that we don't set booby traps for our families, or the postman, or any other delivery man. Surely our tax dollars could be spent in some better way than reminding us not to leave hazardous conditions about, to which we ourselves would likely be the first victims. We understand about icy walks and toys on sidewalks but we are still pondering the "broken or snow-covered paths."

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Applications are invited for the Head of the Department of Civil Engineering for a five-year term renewable. Effective date negotiable. Applications with curriculum vitae, names of three referees, and a statement of philosophy of civil engineering education, should be sent to J. Hoogstraten, P. Eng., Dean of Engineering, University of Manitoba, Winnipeg, Canada, R3T 2N2. The deadline for applications is May 31, 1974.

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USE OF SEAL

Section 18 of The Engineering Profession Act reads as follows:

Every person registered under this Act shall have a seal, the impression of which shall contain the name of the engineer and the words "Registered Engineer, Province of Manitoba," with which all estimates, specifications, reports, working drawings, plans and other documents issued from his hand shall be sealed.

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It's not so long ago that eastern Canadians didn't want a pipeline built because they would have to pay 2¢ a gallon more for western oil than imported oil.

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Whatever would the people of Sudbury say if the federal government put an export tax on nickel? And what would the people of Quebec say if an export tax were put on copper? And, if we really want to gouge our American friends, why not put a head tax on people coming into Canada for Expo or the Olympics. How come western Canada gets all this special attention and all of a sudden??