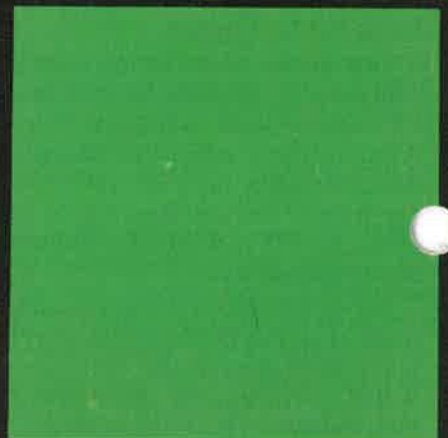
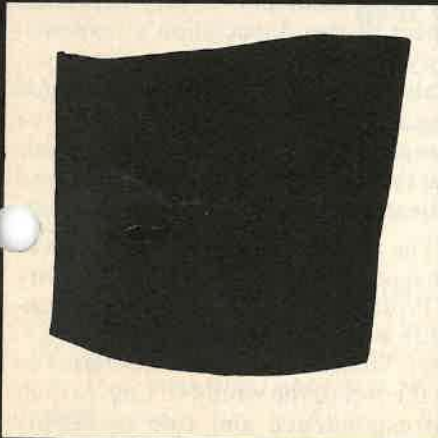
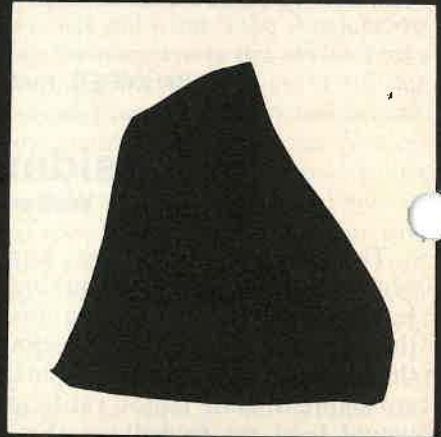


# Bulletin

February

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*The  
Manitoba  
Professional  
Engineer*



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WINNIPEG, MANITOBA, FEBRUARY 1980

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## President's Message

By Walter Saltzberg, P. Eng.

The success of the last Annual Meeting and the confidence in Council leadership, as expressed at its closing, the approval at the Annual Meeting of the proposed by-law changes and their subsequent mail ballot ratification would lead me to believe that the membership is completely satisfied with the direction of the Association and the manner in which affairs are being run by Council.

One could easily become complacent were it not for the fact that in spite of fairly good support for the Association's activities there is a demonstrated lack of understanding within the membership at large about the Association's functions and responsibilities.

To set the record straight, it must be made clear that the Association of Professional Engineers has one function which overrides any other activity it may sponsor or become involved with,

that is the legal requirement to administer the terms of "The Engineering Profession Act."

Whether the Act is being administered or "enforced" (the latter term is very popular at A.P.E.M. meetings) it surely involves more than just granting the right to practise professional engineering in this province or disciplining erring members. A very important aspect of the Association's responsibility is to make sure that those not qualified do not practise professional engineering. It is in the area of monitoring these types of violations that the Association has not performed with any degree of success in the past.

The failure to do so is the result of the mistaken belief by a large majority of Professional Engineers that it is unprofessional to assert themselves. Their failure to use the seal as required by the Act or the words P. Eng. in their correspondence and title or simply

state I AM A PROFESSIONAL ENGINEER and proud of the engineering profession accomplishments blends the P. Eng. with the maze of para-professionals, and makes it extremely difficult, if not impossible, for the Association to enforce the Act in this way.

How many of our members have taken seriously and advised the A.P.E.M. office of any violations under the following sections of the Act?

11(1) Only those persons who are members of the association or who have received a licence from the council as hereinafter provided, are entitled within the Province to engage in the practice of professional engineering, or to take or use the title: "professional engineer" or any abbreviation thereof. am.

19 Except as herein otherwise provided, no person shall knowingly employ as a professional engineer, or for any work that requires the services of a professional engineer, any person who is not either a member of the association or the holder of a licence issued under this Act. R.S.M., c. 73, s. 19; am.

The Association can and does become involved in activities other than the administration of the Act, providing that such activities are not inconsistent with the Act.

The scope and variety of any activities depend upon the support and involvement of the membership. The payment of the annual dues, be they set at \$65.00, \$100.00, or \$500.00 will not assure the Association's ability to administer the Act nor carry out any of its other activities unless they are supported in an active professional manner by the membership.

I urge each member of the Association to ask not what is the Association doing for me, nor is the Association performing the way I want it to, but what can I do, what can I, as an individual member, do to help the Association in what should be its prime purpose, that of protecting the public of Manitoba. Think seriously on this matter and when you have figured out what you as an individual member can do, everything that you can do, to help the Association activities, then translate the results into actions on your own part as well as into advice and suggestions to Council.

## **Council Meeting — November 5th, 1979.**

**By D. J. Frost, P. Eng.**

This was November 5th, the date with which some may associate Guy Fawkes' failure in his attempt to "blow up" the Houses of Parliament. Due to this I felt somewhat uneasy as the proceedings continued, without a bang!

Prior to my late arrival at 5:00 p.m., things had followed the normal course by acceptance of the minutes of the previous meeting, approval of the agenda, etc.

The next item on the agenda was the Salary Recommendation for July 1980, presented by Art Round and Nick Fedorchuk.

Art commenced the presentation by apologizing for both the mass of paperwork involved, and for some 2200 members of the Association, who had not assisted in providing information for the recommended salary schedule report, but was quick in his thanks to the 400 or so members, who had.

Nick Fedorchuk continued by thanking Ted Hassenrueck for his work in compiling most of the data used in formulating the report, which had among other things established that Manitoba Engineers were lagging behind salaries paid to Engineers in Alberta, by approximately 9%; no doubt Nick would like to offer his personal thanks to Ted, however Ted is now working in Alberta, doubtless hoping to confirm his findings.

Andy Gilliland expressed concern that in relation to the future growth projected for Manitoba, the recommendation of the Salary Schedule Committee may not be achievable, and that a further erosion may occur. At this point a lengthy debate commenced regarding the true meaning of "erosion was decreasing," to establish if salaries paid to Engineers in Manitoba were lagging, leading, decelerating or accelerating towards inflation and the Canadian economy. Nick offered to clarify that section of the report prior to submission at the Annual Meeting.

Responding to a question from Ken Jardine, Nick stated that in compiling the salary structure that supply and demand for Engineers was not considered, but it was based largely upon productivity and inflation.

Rudy Isaak commented that since the report was based upon data received from a minority, from government bodies and large corporations, that the scales were not, in his opinion, truly representative of the salaries paid in the private sector. This statement not surprisingly went unchallenged.

Ken Jardine moved to accept the recommendation, with Andy Gilliland requesting that "great thanks" be extended to those involved in preparing the report. The meeting was ad-

journed, presumably for consumption of a 10-year-old vintage wine, offered to the Council members and others present, by Andy Gilliland, in honour of the retiring President, Dick Johnson.

Dick Johnson continued with the trend by thanking Andy Gilliland for his service to the Council since 1974. John Lewis used the intermission as a platform for re-election to the Council, receiving some support from Rudy Isaak.

Next, accounts were accepted, and a number of licences, Engineering Graduates, transfers and registrations were approved.

The next item on the agenda was the Brief to the Department of Labour concerning proposed changes to regulation 287/78 under the Power Engineers' Act. Discussion revolved around a draft letter prepared by Bill Clement, stating the general observation, concerns and recommendations the Association would suggest be made in modifying the regulations to adjust for recent technological advances and that the regulations should be evaluated from a safety and efficiency standpoint. Edd Klassen opened the discussion by commenting that the letter reminded him of a dog going round in circles looking for a place to "dump it."

Prior to approval of the budget for 1980 which was estimated to be a \$13,200 deficit, John Lewis questioned why this had been the trend since 1975. Terry Algeo advised that this was mainly due to escalating postage, printing and stationery costs. This must have alarmed Rudy Isaak who on an optimistic note stated that only 5% of qualified Engineers were not registered, and that the other 95% should be well advised of the

Association's new address, if this occurred before March 1st, so that all fees may be received, which was a good 'cue' for entering into the next subject, revision to By-law 32.

No doubt due to the preceding discussion, Walter Saltzberg who had been unusually subdued, recommended that the annual fee ceiling be increased to \$100, which was not surprisingly seconded by Rudy Isaak, gleefully rubbing his hands. At this point both Ken Jardine and Walter Saltzberg debated increasing the penalty for late payment of fees to \$10. John Lewis taking the initiative tenderly suggested \$20, which was fortunately rejected.

Due to the relative lateness, "Other Business" was discussed not necessarily in the following order:

A discussion developed suggesting that the Association should promote better liaison with government officials. Walter Saltzberg was quick to offer his services where the government officials were female.

John Lewis reported that the Premises Committee was looking into five or six possible locations and that these would be discussed at the Annual Meeting. No doubt John would be pleased to consider any reasonable suggestion, providing that the building be complete with concrete foundation as pointed out by Rudy Isaak.

The meeting finally closed at 9:30 p.m. with Dick Johnson again offering his appreciation and thanks to Terry Algeo, Andy Gilliland and Edd Klassen for services to the Council.

## **Annual Meeting** **By S.M. Matile, P. Eng.**

It was 9:00 a.m. on Friday, November 24th. Bleary-eyed and

yawning, 116 of the 2600 members of the APEM staggered through the registration line in an attempt to reach the coffee pot, which would help to prepare them for the 60th Annual General Meeting. Many of the "regulars" were commenting on the increased attendance this year — there was barely a seat to be had on the non-smoking side of the room!

Shortly after 9:30 a.m., President Johnson called the meeting to order. He then introduced the members of Council and eleven out-of-town members and guests. The minutes of last year's AGM and the two special meetings of May 10th, 1979 and June 26th, 1979 were approved and adopted.

The first report was given by 'Dr. Paul Lowe. With regard to continuing competence, Dr. Lowe advised that the activities of other Associations across Canada were being observed and that perhaps a special meeting should be called to discuss the subject.

R.J. McRae, Chief Scrutineer, declared D.E. Cross, G.W. Swift, J.W.J. Lewis and F.A. Jost elected as Councillors for a 2-year-term; and the winners of the Early Bird Draw were W. McCulloch and I. Weiszmann. Congratulations, all of you.

President Johnson outlined briefly the roles of Council and of the Practice and Ethics Committee regarding the Winnipeg Arena Expansion; Councillor Lewis reported on the activities of the Premises Committee, presented some of the alternatives under consideration, and requested suggestions regarding new Association headquarters from the Membership; and the Auditors' Report was adopted.

The 1980 Budget was adopted after considerable discussion centered on the participation of the APEM in the CCPE; Messrs. B.E. Maxfield, F.E.

Stock and D.A. Shearer were elected members of the 1980 Nominating Committee; and Councillor Isaak put forth a resolution regarding the legalization of Corporate Practice in Engineering in Manitoba. This evoked lengthy discussion; an amendment was made. Roy Lindseth (President of A.P.E.G.G.A.) and Tim Benson (President of A.P.E.O.) were invited to speak on the experiences of their respective Associations regarding Corporate Practice; and the amended motion was finally adopted.

At 11:30 A.M., President Johnson received an urgent message from June Westbury. Apparently, a snow storm was imminent, and the Councillor was requesting that the Association accept full responsibility for deciding whether the seats in the Arena expansion should be opened or closed for that evening's hockey game, in which the Jets were scheduled to play the Vancouver Canucks. When the laughter subsided, Bill Greenfield suggested that the Association inform the Councillor that the hockey game was to be played in Vancouver. More laughter. Finally, President Johnson announced that he would inform the Councillor that the Association could not accept such responsibility (the game was played in Winnipeg, the snow storm did not materialize, and the expansion seats were closed).

At 11:35 A.M. the meeting adjourned so that the Council could meet to elect its new officers, while the remaining members socialized.

At the luncheon, one could not help but notice a sudden increase in attendance. (If that was due to the scheduled appearance of Quebec President Micheline Bouchard, there were many disappointed engineers in attendance, as Mme. Bouchard's flight was

delayed and she did not arrive in Winnipeg until shortly before 2:00 p.m.). Following the luncheon, President Johnson and C.R. Bouskill presented Outstanding Service Awards to F.M. Fowler and W.R. Newton, and bestowed Honorary Life Memberships upon M.N. Collison, R.T. Harland and G.E. McLure. Congratulations, gentlemen!

Our after-luncheon speaker was Ted Turner, President of the C.C.P.E., who explained, at length, the purpose, the basic structure and the activities of his organization.

Due to the very slow disposal of business during the morning session, the meeting reconvened at 2:05 p.m., concurrent with the scheduled E.I.C. Panel Discussion on Continuing Education. (Needless to say, attendance at the Panel Discussion was dismal).

A motion regarding the Ritual of the Calling of an Engineer was defeated; the Recommended Salary Schedule for July 1, 1980 was approved (whatever that means!); a motion regarding the separation of licensing and discipline activities was defeated; the amendment to by-law 32-2 (a) (as circulated) was approved for submission to members for ratification by letter ballot; and President Johnson thanked the retiring members of Council for their contributions to the Association.

Back to the question of C.C.P.E. dues, a motion was made whereby a by-law be submitted to the members, empowering council to pay an annual assessment to the C.C.P.E. of up to 10% of the Association's membership fees, with this amount shown on the statement of annual membership fees. The motion was carried, and President Johnson agreed to accept the motion as advice to Council.

E.F. Glass presented, in absentia, a summary of five issues that he wanted members to be aware of. Copies of this summary were made available to members at the meeting.

President Lindseth (A.P.E.G. G.A.) and President Benson (A.P.E.O.) extended greetings from their respective associations; a telegram from President Brown (A.P.E.S.) was read by President Johnson; George Durnin congratulated the President and members of Council for their leadership throughout the year; and the meeting finally adjourned at 3:53 p.m. It's a good thing these meetings occur only once a year!

## Kipling Ritual

The following statement was read by Dean Jack Hoogstraten at the annual meeting at the time the motion dealing with the Iron Ring Ceremony was being discussed. It is published at the request of the Wardens of Camp 8.

A STATEMENT RE RESOLUTION #1 Annual Meeting, A.P.E.M. Nov. 23, 1979

Fundamentally, the Ritual is the acceptance and declaration of an obligation to oneself and to his calling, in the presence of his peers. The undertaking of such an obligation is essentially a personal matter, deeply related to one's moral beliefs and to his conscience. To open such a ceremony to the public for public relations purposes is gross. It is unworthy of the fundamentally decent concept of an obligation. In my opinion, to advocate it reveals a lack of precisely that sense of discernment which the Ritual was designed to promote.

An initiate does not become a

"member" upon taking the obligation. The Corporation of the Seven Wardens does not "belong" to members the way the Association does. It was conceived by Professor H.E.T. Haltain in 1922, simply to provide the occasion on which engineers could, if they wished to do so, obligate themselves to their calling. Rudyard Kipling was commissioned to write the ceremony and certain Landmarks (hammer, anvil, chain, rings) were incorporated. A simple "Rule of Governance" was adopted and no other form of constitution exists. The whole authority was vested in the self-perpetuating Seven Wardens, who delegate to the Wardens of the Camps. The first seven wardens were seven past presidents of the Engineering Institute of Canada.

The Seven Wardens are charged with preserving the integrity and purity of the Ritual of the Calling of an Engineer with its due ceremonies and Ancient Landmarks precisely as laid down.

The whole organization is simple and direct. It is devoid of busyness and carries a simple grace. It has served members of our calling for over half a century and is becoming a valued tradition. Neither the Association or the Institute have any authority regarding the Rule of Governance.

While there is nothing to prevent the Association from expressing its views to the Seven Wardens, my own feeling is to leave well enough alone. I should let you know, however, that as one of the Seven Wardens, I intend to uphold the position that the Rule of Governance be strictly adhered to, which after all, is the responsibility with which the Wardens are charged. To do less is to fail our trust.

# ANNUAL MEETING 1979 WALTER PRAYS OVER THE MULTITUDE



## From Ghetto to President

Walter Saltzberg was born in Warsaw, Poland in 1931. During the early part of World War II he lived in the Ghetto in Warsaw. For the last three years of the war he was in hiding outside the Ghetto, the last several months being spent in a small excavation with four adult males. During the fighting between the Polish underground and the occupation forces, he suffered a serious leg injury. After the takeover of Warsaw by Russians Walter was placed in an orphanage. He spent six months in a Russian military field hospital following an operation on his leg. He was selected by a Swedish Red Cross medical mission to go to Sweden for a further operation on his leg. He spent another six months in hospital there.

It is difficult to pick out the most frightening experience for a young boy whose life has become one of terror, but there are two events that still stand out vividly in Walter's mind. One was the day he was in an apartment which the Gestapo searched for two hours, knocking on walls looking for hiding places. The young boy, Walter, was behind a bathtub hidden only by a casually draped towel. The other occasion was during the five months Walter spent in a four-by-six excavation. One day a stray dog discovered the five occupants. The dog was first lured closer and silenced by food, a commodity in very short supply, then strangled.

The details of the horrors of the war years have to be dragged from Walter. The reporter who did this account has known Walter for over twenty years and first learned of these incidents during an interview for this story.

Walter Saltzberg arrived in Winnipeg in December 1947 and resumed

his schooling in Grade 9 at Machray School. One year of Arts at the University of Manitoba convinced him that Shakespeare was for others and after a session with the C.N.R. on the construction of the Sherridon-Lyn Lake railway line during which he progressed from a cookie to a bridge inspector, Walter decided to take engineering. He held down many part-time jobs in order to finance both his high school and university education, including delivering telegrams, cleaning manholes, digging trenches, sorting parcels at a department store and delivering Christmas mail. Walter graduated from engineering in 1957 and joined the Department of Highways as a Resident Bridge Engineer. He is currently Senior Bridge Construction Engineer with the Department of Highways and Transportation.



President Walter Saltzberg

His wife, Joan, an ardent member of his fan club, is a free lance writer. They have two boys and a girl, all now attending university.

Walter had spent several years on Association committees before he was first elected to Council, where he has now served for five years. He has also found time for service through the Optimist Club and is a Past President.

Walter's talents spill over into many areas. He is a capable Mr. Fixit, can repair anything, build rooms and cedar closets, renovate old furniture. He has culinary expertise over the barbecue. He acts as financial adviser to some, as father confessor to others and is a sort of junior patriarch in his neighborhood. His wife, Joan, is warm and hospitable and their home is often overflowing with people. While Walter has mastered French, Swedish, Polish, and, with the help and encouragement of Dick Johnson and Shakespeare, he is working on English, he sits in his livingroom looking wise and as if he understood every word while friends converse in one language he has not learned, Jewish.

Walter need not worry about filling Dick Johnson's shoes. Dick did that and well. Walter Saltzberg grew up when he was eight years old. He has been filling his own shoes, and they have not been easy shoes to fill. He has had no free lunches in this life and there were years when he was lucky to have any lunch at all. (A diet of water and onions for several months is more than most of us can imagine.)

Walter Saltzberg has a great sense of duty and responsibility. He works industriously and tirelessly at anything he undertakes. He has the courage to stand alone if he feels the cause is right. He shirks from nothing. He can have serious differences of opinion with others, still maintain his respect for them and when the discussion is over, as far as Walter is concerned, amicable relationships are untarnished. He holds no grudges and is

astonished at those who do.

He will take his role as President very seriously and deal diligently with the Association's affairs and with it all he will maintain his keen sense of humour. We wish him well in his year 'at the top'. — S.J.A.

## Dave Cross

Dave Cross was born in Winnipeg and has resided here all his life. He grew up in the River Heights area of Winnipeg, attending Sir John Franklin, Robert H. Smith and Kelvin Schools. Dave was quite active in school and while at Kelvin High School served as President of the school and Captain of the football team. During his final year at Kelvin he won the Harry Hood memorial trophy, an award given to the top high school player in the city who best combines athletic and scholastic ability.

Dave attended the University of Manitoba, graduating in Mechanical Engineering in 1961.

After graduation, Dave had a varied career, working initially with Northern Electric Wire and Cable Division, and then Babcock-Wilcox in Boiler Design, Honeywell Controls in Commercial Sales, and GBR as a Design Engineer. In 1968 he joined MMP, attaining the position of Director of Engineering, before leaving to join Underwood McLellan Ltd. in 1979 as Chief Engineer in their Commercial-Industrial Section.

Dave and his wife Diane presently reside in St. James-Assiniboia with their two children Sharon 16 and Steven 13. Dave's hobbies include cross-country skiing, do-it-yourself carpentry and the family cottage in the Kenora area.

Dave is past President of the Man-

itoba Chapter of ASHRAE, Secretary of the Engineering Alumni Association and was previously on the Board of Directors of the Knowles School for Boys.

Dave has maintained an interest in the Association and its activities over the years and brings a fresh approach to the position of Councillor. He is looking forward to participating in the major decisions that lie ahead and to having some impact on the future of the Association. — G.A.S.

## Professionalism vs. Whining

Since the edition in which the Grass Roots Committee surfaced as an issue to be written about we have received many comments about the Bulletin. Some of the critical comments have been legitimate, but like much of what I feel is wrong with this organization as with the whole of our society a great deal of the criticism has been cruel, rude, uninformed and downright wrong. I am not a particularly sensitive guy, in fact over the years my skin has thickened to such a point that I am forever dieting with no success. Nevertheless I would like to address the whiners and complainers out there.

The Bulletin is a Committee of volunteers. They work hard at publishing this thing and do it because of personal reasons which can only be a labour of love. Notably the Bulletin Committee has spawned over the years numerous persons who are now, and were, Councillors. We are independent in our thinking, no one has the authority to tell another of this Committee how or what to write, and if anyone expects someone to work as hard as each member of this Committee must, then it is only under these sorts of circumstances that this magazine will con-

tinue. Those who would have constraints placed on this magazine have only one hope and that is join this committee and work hard as a member within to change the general copy.

I have approached personally some complainers to join but they are "too busy." Euphemistically I suggest this is a convenient out . . . a cop out.

As for my philosophy, I suggest that a large segment of this organization would have us lose the reason we exist. Frankly things like salary schedules, Grass Root Committees, legal fee assistance for various groups of engineers are not the reasons for the APEM. That these groups receive more funding than say Public Relations is a travesty. In fact, even that the Bulletin receives more money than P.R. is wrong.

We have an image problem, everyone says that. We do nothing about it because we are spending our money fighting these selfish self-interest crusades. The APEM is here to protect the public from quack engineers. There are people who would seal drawings that would fail, who could remain as engineers were we not carefully policing our members. The U. of M. Engineering Faculty is of interest as much to the rest of Canada as it is to Manitoba since almost as many of the U. of M. graduates leave Manitoba as stay, hence accreditation problem of that institute is a problem not of the APEM but of engineering everywhere. Further how much a typical engineer makes 5 years, 10 years and 20 years after graduation is not worth paying thousands of dollars to get published since this does nothing to check the professional quality of the members' work.

The general public doesn't have a clue that each member of the APEM puts his career on the line every time

he stamps a drawing, since if he is deemed unprofessional by his peers his licence to practise is gone. The P.R. Committee could talk of this and were people to know this then the high quality of the membership may be appreciated. When a member reviews a drawing and rejects same they would understand he is only doing that because of professional criteria which override all. Instead we see people referring to it as sour grapes. Sour grapes, my foot. This is a society of professional people here to protect the public from boobs who would foul up a profession steeped in a history of high ideals and remarkably free of scandal. Why then do we allow our purpose to be watered down by these whining self-interest groups too afraid to stand up on their own.

I am opposed in principle to behind-the-scenes bitching which we seem to do very well. If anyone has a complaint say it out loud. At least we as contributing members of the Bulletin do not hide behind phoney excuses but say what we think. I challenge others to do the same. — R.A.K.

## Letters

### Vic Grant and Ethics

Dear Mr. Editor:

Vic Grant, in his Tribune column of Friday, October 5th, reports that "an engineer", after spending considerable time in the study of the situation now terms the provincial government grant of assistance to the Turnbull Drive residents as "conscience money". Mr. Grant's "engineer" infers that his study indicates that (a) the control structure at the Floodway is being improperly operated and (b) that this improper operation has had an ad-

verse effect not only to the residents of Turnbull Drive but also on the reach of the Red River south to the Town of Morris. The grant of assistance is thus, according to Mr. Grant's man, "conscience money" paid out in order to placate the collective guilty consciences of the Engineers of the Water Resources Branch.

It is somewhat of a mystery to me why, if this "engineer" is a Professional Engineer, if he has the qualifications to properly study and assess the situation and he has made the kind of study a Professional Engineer should make in order to be able to come to this kind of conclusion, he feels he must report anonymously through a columnist for a local newspaper. Such a procedure makes one suspect the credibility of Mr. Grant's "engineer".

Supposing, however, that Mr. Grant's man is a Professional Engineer with qualifications and experience in the field of water management sufficient to properly assess the situation and supposing that he is as confident of his findings as Mr. Grant implies he is, then it would follow that, since he is actually claiming negligence and cover-up on the part of the Water Resources Engineers, he should in fact be laying a charge of negligence against one or all of these engineers. My reading and my interpretation of the Code of Ethics suggests that he in fact is obligated to lay such a charge.

I do not intend to debate with Mr. Grant's mystery man in the pages of the Bulletin. I do however suggest that since this mystery man is so confident of his case as to make the accusation that he has made and since he has not chosen to protect the public by bringing the culprits to justice, that he himself is in fact negligent. I therefore challenge the mystery man to come

forward and formally approach Council with a charge of negligence or to admit that he made his public statement without the qualification, experience and technical evidence to do so.

Mr. Grant's engineer also suggested to Mr. Grant that he has made the government people responsible aware of his findings. A rather thorough search by me has not brought forward any evidence that any such information has been put forward by any engineer. This supports my view that Mr. Grant's man is talking more from the standpoint of the political than the technical.

I am satisfied that Mr. Grant's engineer is in breach of the Code of Ethics in at least three areas; hence should I become aware of his identity, I do intend to lay a charge against him (or her) in these areas; that is my obligation to my profession.

Yours truly,  
W.R. Newton, P. Eng.

## C.C.P.E. and Motherhood

Dear Sir:

I am writing this for those members of our Association who care or want to listen, and especially for those members who attended our annual meeting at the Holiday Inn on November 23, 1979.

The President of the Canadian Council of Professional Engineers (C.C.P.E.), during his luncheon address, claimed to have been stuck in the "brown silt" around Winnipeg. He obviously can't distinguish the Winnipeg "gumbo" (Winnipeg tenacity) from the loose Nova Scotia "brownish silt."

It may be of interest to our membership that I have learned from our

C.C.P.E. Director that the total amount in the C.C.P.E. budget 1979-80 for assistance to its National Committee of Salaried Engineers is a big 0%. Perhaps the President C.C.P.E. would like to recognize that 0% of \$460,000.00 is still zero dollar return of benefit to those who are being assessed the tax to support C.C.P.E. and its unwanted and unnecessary committees and Engineering Manpower Council.

I am probably one of the few ordinary members who has taken the time and opportunity to visit the C.C.P.E. offices in Ottawa, an invitation extended to us by the current C.C.P.E. President at the annual meeting. I did not find it to be an inspiring experience. It is my impression as a past director and first past chairman of C.C.P.E.'s National Committee for Salaried Engineers that we have some well-paid executive staff down there in Ottawa spending most of their time promoting "motherhood" items. Any worthwhile co-ordination of issues important to the Provincial Association is being done or should be done and can best be done through the well-paid Provincial Managing Directors and Registrars. We don't need a \$400,000.00 expenditure by C.C.P.E. to achieve this objective.

In support of motherhood, the members are constantly being told that we must pay our dues if we want to practise engineering. The problem is that even C.C.P.E. cannot define what is the "practice of engineering." It seems that in real practical terms what you do is the "practice of engineering" if you are registered with the A.P.E.M., not otherwise. But if one chooses not to be registered, it can always be argued that planning, innovating, doing scientific researching, designing, teaching, or managing, is

not deemed to be practising engineering as long as one avoids the use of the title Professional Engineer. Consequently, none of the individuals doing any of the foregoing is an engineer unless he or she is wearing an iron ring perhaps? The question has to be asked then, what is the Registered Professional Engineer doing that can be considered the Practice of Engineering in the eyes of the office of the Attorney-General?

So there you have it — the only persons that our Association can come down hard on should he or she be deemed to have violated our Code of Ethics or have made an innocent error in his or her design calculations, are those who voluntarily become registered and pay for the privilege. All others engaged as described above, including the "Iron Ring" engineer, are exempt from relating to our Code of Ethics and the requirements of the Act.

Is it not obvious then that the real and effective protection of the public can best be achieved by making membership in our Association attractive and meaningful, that is, something to be voluntarily sought after? The question is, membership for what purpose?

Yours truly,  
G.A. DePauw, P. Eng.

### **Contributions — Good, Bad or In Between**

Dear Editor:

The Bulletin was a topic of Council discussion in January. The Bulletin is perceived as good, bad, or in between — depending on the reader or non-reader.

One Councillor stated that dissidents might improve the Bulletin by supporting it with literary contributions.

I am enclosing short pieces on an excellent IEEE conference and marathon running. Please notice how concise and well worded they are. For members wanting more information I have given names and phone numbers to all.

If the members will support the Bulletin I believe we will surpass the quality of the golden years which occurred three years ago.

Yours sincerely,  
John W.J. Lewis, P. Eng.

### **IEEE Overvoltages & Compensation**

Overvoltages and compensation on integrated AC-DC Systems will be the subject of an international conference to be held in Winnipeg in July, 1980.

Topics are selected to bring to the attention of the informed AC-DC engineer, the most recent developments in:

- Reactive power control by static compensators, forced commutation, and other alternatives.
- Overvoltage experience and field results from existing AC-DC interfaces.
- Modelling techniques and study results.
- Application of metal oxide arresters.

The Winnipeg IEEE Section and Power Engineering Society, Chapter have organized this conference which occurs in the hundredth year of commercial electricity in Manitoba. Please help us by telling your confreres from around the world about the conference. Brochures and more information from Publicity Chairman, Brian Bernard — 775-4571

or from W. McDermid —  
474-3787

or R.W. Menzies — 474-9603.  
 Contributed by J.W.J. Lewis  
 943-8991

### Marathon Running

The 1980 Manitoba Marathon will be run on Sunday, June 15, 1980.

Elsewhere in the Bulletin is an article setting the goals of massive participation by engineers and splendid fund raising in aid of the mentally retarded. It is reasonable to set a goal of \$1000 of pledges for each runner.

Running a complete or partial marathon can be a serious individual achievement. It is always recommended to have a medical checkup before you start training. Then there are questions of dehydration, overheating, what to eat, what to wear, when to quit, how to go the distance. Unless you are already well informed, it is most helpful to attend clinic workshop sessions. For more information, call the Marathon office at the Reh-fit Centre, 453-0931, ask for Charlie or Barb.

Contributed by J.W.J. Lewis

### Fuzzy Thinking

In December, 1979 the members of APEM submitted their ballots on two proposed by-law amendments. By-law 32-2 (a) was to allow the membership dues to be increased to a maximum of \$100.00 while the second amendment to by-law 39 was a proposed increase in the dues for engineering graduates with no maximum amount stated.

Both by-law amendments were approved. The following is a summary of the balloting by APEM members.

The number of ballots returned was 739, of which two were spoiled. This is a percentage of 28.6% returned of the 2576 ballots mailed out.

By-law No. 32-2 (a) had a vote of 500 for, and 237 against which is a 67.8% average in favour of increasing the dues.

By-law No. 39 had a vote of 598 for 133 against, and 6 blank which is 81.8% average in favour.

At this point it would be easy to leave off with a comment that the results have been reported to the APEM membership. However, because of the pattern of the voting on by-law No. 39 some interesting questions have been raised.

Is it not curious that more people are in favour of raising the dues to the Engineering Graduate members (who do not have voting rights) than are in favour of raising their own? Why would people cast votes in such an overwhelming manner to raise dues to engineering graduates on a ballot that had no maximum? Surely the salaries of new engineers are less than the salaries of the full members who voted to raise the dues of the engineer graduates.

Is it fair on the part of 98 members (presuming that they were the same ones) who voted against raising their own dues; yet were willing to raise the dues of others? Are the six blank ballots cast on bylaw No. 39 not the fairest or most honest ballots?

The question that is most puzzling, is the balloting pattern indicative of the engineers' thought process or does it reflect what people in general would think on similar questions in greater numbers than they. — B.A.F.

### Curling Anyone?

This was the most unusual curling bonspiel in our history. Finally, eventually, and at last, Bill MacKenzie will have his name engraved on the trophy along with the names of Bill Saunders,

Larry Williams and Hank Penner. Certainly they were the best curlers of the day, but before they were declared winners they had to produce their APEM membership cards, birth certificates to prove they were for real, take an I.Q. test and a saliva test. (They flunked only one of the foregoing and we'll never tell.) Actually everyone was delighted. Bill has been the class of the curlers for a long time, but one non-member on his team has relegated him to the bush when it came to first prize.

The Sports Committee got completely out of character, deciding it would look better if they weren't in the prizes. There were a few comments to the effect that Chairman Al Bischoff didn't need to go to such lengths and one query as to how to spell 'shellac.'

Buttons were introduced this year for the first time. No one was able to pretend he was someone else when he let go with a bad shot because all the players were named. These buttons proved to be useful for more than one purpose, about which more later.

Brett Davies, John McNichol,

Wally Pyl and Doug Chapman gave Bill MacKenzie the most problems, and Brett and Company came in second (an unusual place for Doug Chapman whose academic record would be hard to beat.)

In the Second Event Dave Sharpe was helped to victory by Dale Woodruff, Stan Bailie and Ken Jenkins, in disposing of the Arborg quartet of Gerry Patterson, Ken Boyd, Larry Man and Karl Dern. In the C event John Fry, Bill Boyaniwsky, Fred Nicholson and Bob Harris won over the Stewart, Linton, Morris, Bukoski team. Psychologically this team got off to a bad start. One member had a zipper problem, and the only solution seemed to be to use one of the new name-buttons to pin up the offending piece of clothing.

The group taking off their identification buttons before moving forward to be recognized for their achievement included Ron McCasin, Norbert Hansch, Ed Lach and Doug Knight. There were kindly suggestions that perhaps they should consider taking up photography, knitting or stamp col-



President Saltzberg with Bill MacKenzie and his winning curlers.

lecting — in whatever area their unobvious talents lay. Norbert did get off to a shaky start. He arrived late, parked his car so that the Granite Club staff could not get onto the lot, had to move his car which resulted in a breathless and late start for his team.

The Bill Morris who achieved some notoriety is William H.C. Morris, not to be confused with Glenn Morris who piloted a portable recording machine hither and thither signing up runners for next June's Marathon. By the time John Lewis made his pitch for this Marathon, everyone present had already been signed up whether they knew it or not.

Councillor Rudy Isaak introduced a new trick. He substituted here and there until he found a rink up (or down) to his caliber. The Patterson, Man, Boyd, Dern rink from Arborg were a fine addition to the usual group from out of Winnipeg. Also on hand were Sean Kavanagh (who struggled unsuccessfully with Ken Jardine, Ron Gordon and Barry Rowley), Doug Struthers (who suggested he might take up a collection for his fees), Ed Lipinski, Merv Robinson and Barry Tinkler. Ken Boyd, of course, is really from Sanford. Sean Kavanagh showed a complete lack of respect for President Saltzberg by snitching Walter's fork at lunch, leaving Walter to figure out how to eat chicken pie with a knife.

During lunch it was explained that by eliminating Vic Becker from the phoning Committee it had been possible to get everyone at the right rink at the designated time. Al Bischoff announced that he wanted to introduce distinguished guests who were present. He did not say wherein lay the distinction and we're still wondering because who should pop up to answer Al's roll call but persons named Mc-

Kinley, Dunklee, Algeo and Saltzberg. Certainly it was a distinct honour for them to be there sharing the day with such a fantastic group of athletes and we hope this is what meant.

The costumes were varied. Dave Stanbra was one of the better dressed curlers, with his moustache matching his outfit. But it was decided that Dave Sharpe should win the best-dressed award because, for the occasion, he had had his hair dyed a sort of tanny red to match the stripes in his sweater. Bob Harris was a close contestant in this area being the only one there who had no holes in his socks and who could take his shoes off. Bob Farish also knows as much about attire as he does about curling. He had slacks, shoes, sweater and broom in matching blues, and he gave a crash course in curling, strategy and scoring to ignorant gallery viewers, (without once mentioning the Schedule of Fees for such consultation.) Glenn Morris certainly got top honours for the best dressed broom — a candy striped handle decorated with pom poms.

Dean Gould had a new psychedelic shirt and Gordon Marshall has retired the ducks and was wearing a new geometric design. We missed Wayne Stewart and George De Pauw and their scarf act. Laurie Schmidt is in training from his house renovations and showed no signs of a two year layoff from curling. Norm Ulyatt eked out the most spectacular loss of the day against Hot Shot Davies. Larry Man introduced the Arborg pretentious type of sweeping to Winnipeg engineers. It isn't likely to catch on. Most of those present are simply not in good enough shape for such an accomplishment.

Someone tipped Jerry Kruk off that

he was in line for the worst dressed prize (he came dressed as an undertaker) so he snuck off before his name was called.

We hope Bill Beley, Art Sparling and Grant Sims do as good a job of following Glenn Morris along the Marathon trail as they did in following his ballerina white-gloved gestures on the ice.

Gary Swan had to ring in untrained substitutions at the last minute which explains why we have only now mentioned his name. Wally Rooke has gone back to the drafting board which explains likewise. Craig Sommerville made the mistake of having a Sports Committee member on his team and Al Nelson, Dave Stanbra and Sam Donachuk made the mistake of having a Sports Committee member as skip (Alf Cornies).

Our thanks to Al Bischoff, Arnie Permut, Vic Becker, (don't phone us, we'll call you), Landis Krause, Alf Cornies and Sandy Gibb for whatever it is they do to make it all come out right.

The reason we are not mentioning two or three items that were obvious to everyone is because we were threatened with legal action, which we can't afford. At this time. Contributions may be sent to the Editor. If enough come in, it will all appear in the next issue.

Many thanks to Canadian Portland Cement Association for donating prizes.

All the flak that was levelled at Bill MacKenzie at the event and all our comments indicate quite a lot. Bill is one of those rare creatures who is more gracious in losing than in winning, he is the essence of good sportsmanship and he has put a very great deal into this bonspiel over many

years. It was a very popular win, and we trust he will be back next year presenting a challenge in more ways than one to the rest of the group. Of course, he should still bring the sputum test results. It really is difficult to believe that engineers in their right minds can curl that well.  
—S.J.A.

We regret to record the deaths of C.W. Jones, P. Eng., J.G. Broda, P.Eng. and J.M. Kay, P. Eng.

## By Popular Request Answers

In response to requests from our members we are publishing another 'reverse quiz'. Here are the answers. What do you think the questions would be? Please turn to page 29 for the actual questions.

- |            |                  |
|------------|------------------|
| 1. I pass  | 5. Separation    |
| 2. Esquire | 6. Union         |
| 3. Unisex  | 7. Quick quack   |
| 4. Yes     | 8. In the mirror |

## Lynn Lake — Leaf Rapids

By D.S. Taylor, P. Eng.

It is winter in the north, as you southerners now know after we sent you a couple of good blizzards. The weather up here has been relatively mild, and the snow is only a foot or so deep.

The news from the Lynn Lake — Leaf Rapids area has been the movement of engineers in both of Sherritt's mining operations. Mr. Dave Libby, has left our Ruttan Operations and returned to the British Isles to work for Terra Mining in Ireland. Garry Hughes, P. Eng., has been transferred to Sherritt's Toronto office as Man-

ager of Mineral Resource Development. Slavco Koscevic, P. Eng., has left our Ruttan Operations to go to Labrador City, Newfoundland as a Mines Inspector.

Replacing Dave Libby as our Ruttan Operations Manager is Bob McCombe, P. Eng., and Mr. Ian Plummer, P. Eng., has replaced Mr. McCombe as Fox Operations Manager. We would like to welcome back from Elliott Lake Pete Goodwin, to his new job as Operations Manager at our Ruttan Operations.

To the north we would like to welcome the following graduates as Engineering Graduates at our Fox Operation: Laurie and Dennis Bergen, and at our Ruttan Operation: Hazel De Neuve, Tom Lanzer, Chris Thomas, Rob Robinson and V. Keung.

We are now eagerly awaiting the arrival of Chicken Little Saltzberg and the remainder of his wild brood, who intend to drop into our burgeoning metropolis at the end of January to talk about how the sky is falling and other important topics in northern engineering.

## FADS, CLICHÉS, AND SLANG

By Paul Shane, P. Eng.

One is often led to wonder whether other languages are as endlessly flexible as English. The Third New International Dictionary by Webster contains some 460 000 entries. Likewise, all major languages have hundreds of thousands of words. New words also keep appearing with new products, inventions, processes, and situations. Winston Churchill, with his notable abilities as a writer and orator, is said to have possessed perhaps 10,000 words in his personal vocabulary.

Those with high-school education may be presumed to command an inventory of up to 2000 words in the usual case. It thus becomes plain that the language permits great scope for expression.

The Encyclopedia Britannica states that major languages contain nine basic classes of words: (1) standard; (2) informal or colloquial; (3) slang; (4) cant; (5) jargon; (6) argot; (7) dialect; (8) non-standard; and (9) taboo or vulgar, in order of declining "acceptability". In this little dissertation it is intended to examine briefly the third and fifth categories of this list in particular.

Jargon is defined in one dictionary as "3, the technical or special vocabulary of a profession". The professions could be presumed to include that of the politician, in a general way. One of the ways in which a new word can be coined in English is to add the suffix "ize" to a noun or adjective. The latest example of this device on the part of a politician to coin a new word is the term "privatize", attributed to the Hon. Sinclair Stevens, president of the Privy Council. This little beauty is presumably meant to describe a process whereby a government disposes of public property by sale or even gift to so-called private investors.

There are many precedents for this method of creating new words. A few of these are:

*terrorize* (Terror, a noun, plus *ize*); *publicize* (public, a noun or adjective, plus *ize*); *realize* (real, an adjective, plus *ize*); *visualize* (visual, an adjective, plus *ize*); *harmonize* (harmony, a noun, plus *ize*).

Perhaps in time "privatize" will attain the first rank in Britannica's list, namely: standard. In the interim, it has been treated with circumspection by the newspapers, which usually have

little compunction about getting on the fad-word bandwagon. They have been printing the new "word" in quotation marks.

All of which brings us to the subject of slang. It is defined in one dictionary as "n. [i.e. - a noun]1, those words or phrases which though regarded as not permissible in formal or written language, are used in popular speech for the sake of picturesqueness or novelty; 2, the language or jargon of a particular group or profession; as thieves' slang". It may be less than flattering to professional persons that this dictionary groups thieves' slang with the jargon of their particular fields of practice.

Slang, of course, is used by millions of people in all walks of life in everyday conversation. Its appeal lies not only in that it forms a "picturesque" kind of speech but it provides a sort of unwritten standard for expressing common, "run-of-the-mill" thoughts. One, for example, could say that a certain party is not performing his duties adequately or does not have the requisite characteristics or qualifications to perform adequately. These are, of course, formal ways of expressing a certain thought. With slang, it is not necessary to seek for such formality of speech. "He wasn't cutting the mustard" suffices.

Slang itself seems to have subdivisions which border on cant or jargon. Cant is defined as "the words or phrases peculiar to a certain trade, profession, or group, as the slang used by thieves" in one dictionary, while jargon is defined in the same reference as "3, the technical or special vocabulary of a profession". Thus, cant and jargon, in the view of the lexicographers who compiled this work, are very similar; and Britannica confirms

this view by placing the two categories in juxtaposition, jargon being evidently somewhat less acceptable in the hierarchy of word categories. It must be recognized, naturally, that the jargon of the respective professions may be fully justified if it leads to clarity or specificity of meaning.

Many of the slang words or phrases are faddist in nature. Older slang disappears as new and fresh words appear on the scene. "Oh yeah?" was highly popular as the universal rebuttal in the 1920's and 1930's; but is seldom heard today. "So is your old man!" was another crushing rejoinder to a real or imagined insult or aspersion on one's character or ancestry. To use this old cliché today would mark the user as a sort of modern Rip Van Winkle.

Like "guy" (a non-descript term for a male person), some of the slang terms have shown remarkable tenacity. Words like "cop", "booze", "dough (money)", "buck (a dollar)", "square meal" and others have been with us for a long time. They are still not accepted as standard English; but continue in everyday use at all levels of society.

As a general rule, slang words have few or no synonyms. One exception, for instance, concerns the slang terms for money. Some of the slang synonyms are "bread", "moolah", and "the long green". The importance of this commodity in many sectors of our society may explain why even the slang words for it have synonyms. More typical, however, as an example, is the case of the word "blunder". In standard English, it has numerous alternatives with various shades of meaning. Thus one could substitute for "blunder" such terms as fault, miss, oversight, slip, error, etc. In the realm of slang, all types or grades of

blunders are simply "goofs". Again, amongst some categories of the citizenry, one does not depart, take leave, leave, or even go. One "splits".

Thus, while slang terms may be "picturesque" or "novel", they tend to create a rigidity of speech when used consistently or repeatedly. The net effect of addiction to slang is to debase or impoverish the language. Hence, the written language tends to try to preserve its "purity" either by ignoring fads, jargon, and slang or, by including in the more voluminous dictionaries and more enduring slang terms, and even some of the "vulgar" words, by identifying them as such respectively. Almost daily assaults on the standard language by slang, self-authorized improvisations, and fad-words have been heavy. Perhaps a new English language is emerging. It remains to be seen. Our generation is too close to this scene to be able to judge effectively.

## Letter Writing Explained

The Bulletin believes that it should bring the members up to its literary standards and in one small step in this direction suggests that the salutations in letters should be made applicable and precise.

First, take the salutation "Dear". Now most people writing business letters don't even like the person they are writing to, let alone wanting to set up a 'dear' relationship. This has about as much meaning as the lawyer's favorite "Without Prejudice". There can be nothing farther from lack of prejudice than a lawyer's letter headed "Without Prejudice". All it is intended to do is inflame the recipient to start the lawsuit so that the lawyer can thereafter charge \$100 an hour for the work his secretary does.

Then let us look at the title accorded to the recipient of the missive. If you are addressing a Federal Cabinet Minister you are expected to say (if you want to get some goodies from the public purse), "The Honorable M. John Doe". Now you and I know he would not have got a cabinet post unless he had tramped roughshod over the other members of the caucus to get hold of the power (and the money). Obviously, this standard term like 'Honorable' is not appropriate. A salutation should be used which would more properly describe the individual.

Now, let us look at the closing salutation. In olden times, this was a means of expressing honor or respect but today anyone who can truthfully say they honor and respect the recipient is a hypocrite.

In the closing salutation, the common usage is the words 'truly' or 'sincerely' and if you really want to snub the recipient, you stick a 'very' in front. If the letter is true, you are not doing what your employer expects of you and even apart from the employer's wishes, it's just not done today. It's like going around with your fly open. Letters are as sincere as the expression, "Now Mary is my dearest friend BUT . . .". There are many four letter words that will express yourself. Use them.

Engineering is a precise science, the terms used in letters should be as precise as engineering terms.

## Pay Your Fees

Annual dues must be in the Association office before the end of February in order to avoid the \$5.00 penalty.

# NEW MEMBERS WIDE AWAKE — AWAKE — HALF ASLEEP — ASLEEP!



## The Ritual of the Calling of an Engineer Camp #8

The next Iron Ring Ceremony is scheduled for 8:00 p.m. Wednesday, March 26, 1980, at the Masonic Temple, Corydon Avenue and Osborne Street. The Wardens would request that all obligated Engineers, regardless of their Camp, attend the ceremony. For these graduating engineers and other candidates receiving their iron rings, the ceremony is a profound experience. A large attendance of Obligated Engineers will make the ceremony more meaningful for the candidates. Plenty of parking is available. The ceremony will take about an hour.

Following the ritual, refreshments will be provided for the candidates and those attending. Cost to Camp members will be \$1.00. The meeting will be completed by 9:30 p.m.

If there are qualified engineers who have not taken the obligation and wish to make application, they are requested to contact Mr. N.P. Feschuk, P. Eng., Secretary-Treasurer, Camp #8, 220 Tecumseh Street, Winnipeg, Manitoba, R3E 2B2, Telephone: 946-0417. Applications for the March 26, 1980, ceremony must be received by the Camp prior to March 7, 1980.

A Fall ceremony is tentatively scheduled for November 1980. — N.P.F.

## A Challenge to and from Engineers

We are challenging the other professions in Manitoba to a contest in the Manitoba Marathon to be held June 15, 1980. To be eligible a member must be breathing, his fees must be paid and he should be in shape to toddle along

for four miles. If John Lewis and Glenn Morris can go for 26 miles, as they did last year, the youngsters can certainly make it for four. After all, as Glenn pointed out, why should it be humiliating to have four ladies and three 6-year olds go flying by you — think positively. Concentrate on the 83 year olds you may pass if you hustle.

An Ad Hoc Committee was set up on November 22, to get the ball rolling. It consisted of Alex Murchie, Glenn Morris, Al Bischoff (the non curler) Barton Rossen, Dick Johnson, Paul Lowe and John Lewis. (All old men except for two — you name them, we wouldn't dare.) The objectives that were set out were (a) to raise money for the mentally retarded, (b) to encourage wholesome living among members (c) to compete with other organizations.

On that November evening the following were selected to join the group: Gary Swan, Edd Klassen, Roy Houston, Kees Vogel, Ernie Hanson, Gene Arpin, Dennis Sigurdson, Hy Dashevsky, Cy Howard, John Atchison, Bill McDonald, Dave Brown, Vic Becker, Ed Debusschere, Blair McLenaghan and Brian Fauschou.

Then came the Curling Bonspiel, there were many volunteers and three draft dodgers who were seized. So now we add Jerry Kruk, Glen Neufeld, Bill Larkin, Bob Waddell, Bill Beley, John Fry, Bill Boyaniwsky, Art Sparling, Fred Nicholson, Norbert Hansch, Ron McCasim, Dave Woytowich, Richard Sawchuk, Bob Zimmerman, Gerry Smith, Glen Tavernor, John Tuck, Arnie Permk, Dick Girling, Garry Winch, Dick Russell, Bill Borlase, Bill Woroby, Dwight Gibson, Brian Chambers, Bob Stewart, Scott Komus, Landis Krause, Al Francis, Bill Arkin, Dean Gould, Henry Daniels Ray Bodnaruk.

We pause here to explain how Al Francis could volunteer when he wasn't at the bonspiel. On second thought, we'll let Al explain that one. On with the group: Chuck Whalen, Bug Kozusko, Don Flatt, Dave Anderson, I. Teranishi, Cliff Tottle, John Friesen, Dave Magnuson, Craig Jones, Grant Mohr, Bert Phillips, Bruce Newton, Rudy Isaak, Henry Penner, Rick Keeler, Ed Lach, Doug Struthers, Ken Jardine, Dennis Shick, Kim Froese, J. Boge, Bev Fisher (thought you were hiding didn't you?), Ken Adam, Alf Cornies, Dave Stanbra, Sam Donachuk, Al Nelson, Dave Sharpe (with hair to match his t-shirt), Roy Houston, Ed Rivalin, Bruce Clark, Jon Stefanson, Bill MacKenzie, Bill Saunders, Larry Williams.

Other recruits include: Bill Tabberer, Dave McIntyre, Ken Williamson, Murray Fraser, Clarence Thio, Wes Dolhun, Sam Dolhun, Ed Dolhun, Sandy Thornton-Trump, Doug Dawson.

If you are over 25, please get a medical clearance from your Doctor.

If you don't see the names of all your friends on our list please phone Glenn Morris at 474-9220 or John Lewis at 943-8991. Don't wait for them to volunteer. Do it for them. What are friends for?

There will be a couple of trial runs and tests before the big event. We will enter our team in the Tribune's 10K run, and for those who abhor metric we will also enter the team in the 2 mile Run to be held on the second day of the Canadian Society of Civil Engineering's national conference being held in Winnipeg May 29 and 30.

We are aiming to field a team of 350 professional engineers, so it is obvious we still need many recruits. Please

complete and send in the form below, to the Association office.

Let's show John Lewis and Glenn Morris that it isn't only the older members who are fit.

Name of volunteer or friend .....

.....

Business telephone number .....

.....

Address .....

.....

### Men Get All the Glory

Written into history are the words "One small step for man, one giant step for mankind" — at least they are written into some histories. There seems to be some dispute about them which is not part of this study.

Little is said in history books about Mrs. Noah, the lady who kept house on an ark loaded with animals for over a year, afloat in a flood. She must have had two choices — keep the ark cleaned up every day or abandon ship. By day 360 as the waters were receding the ark may not exactly have still been afloat. It is no surprise that it came to rest on the top of Mount Ararat. What we do not know and can only speculate on is how far above the sludge was Mount Ararat still sticking out.

As the soup thickened Noah first sent a bird off. The bird returned with a leaf indicating that somewhere beyond the sewage lagoon there lay land. From there on history is a bit vague and we can only speculate. Did Noah say to his helpmate, "Take one baby step, dear," and did she say, "May I," and step off the ark and into . . . well our speculation is that it was one big giant step for woman and the step was really a beaut. How is it that the

women's libbers have not erected a statue in the Charleswood sewage lagoon to this historical lady? — S.J.A.

## Council — January 14

With seven Councillors, the Managing Director, a President and one reporter seated in the board room of the APEM offices it seemed only appropriate to have a meeting. This began at the prompt hour of 3:30 to 4:00 P.M.

With a slight correction the minutes were adopted and Council immediately looked at business arising.

The results of a letter ballot regarding the changes to by-laws 32 - 2 and 39 indicated an overwhelming majority in favour.

Also arising is the Engineering Graduate fee for 1980 which was set at \$15.00.

With these items acted upon Council moved to new business and they approved the licences, accounts, Engineering Graduates, transfers and registrations.

A special report of the CCPE minutes was given by Andy Gilliland. This was accepted with Council ratifying certain resolutions as required. In conjunction to the CCPE report a pamphlet was distributed to Council which will be included with the Bulletin in some way. After some discussion it was decided to mail this piece coincidental with the Bulletin in the most economical way possible.

A letter from John Lewis suggesting a "Special Meeting" be called will be acted on. Mr. Lewis had laid down a format which, in essence, would have discussion on some fundamental problems confronting members.

The Bulletin came under some general discussion prompted by a letter to

the President by Dr. Thornton-Trump. As a long time member of the Bulletin committee it is possible to feel that we are loved by everyone because this is the way we have been for years. Well this is not always the case. While it may be disquieting to find we are not universally accepted we take solace in the knowledge people think about us.

A letter from Manscett caused Council to "rise and report." Which put a note of officiality to the general conduct of Council. After rising they came back to earth to send a letter congratulating the work of Manscett and further suggested that the APEM-Manscett Interface Committee meet to discuss points arising.

Committees then came under a great deal of discussion. Ratification of eight committees was easy. However when it got to some others a great deal of discussion ensued. Some committee wanted to unilaterally dissolve which Council didn't think was possible.

A request from the U.M.E.S. requesting money for assistance to attend a conference in Edmonton opened Council purse strings for \$200.

Council deferred discussion of members to serve on the Winnipeg Building Commission, and that a lending library be established, until the February 11 meeting.

Council concluded the meeting at 7:30 P.M. with Walter Saltzberg agreeing to attend a meeting regarding a possible credit union for the APEM. — R.A.K.

## Senior Citizens Hockey

Both Editor Roger Kane and Past President George De Pauw are sporting some pretty fancy scars and stitching, which, so they claim, resulted from hockey games, in different parts

of the city at different times. If there are any witnesses to these accidents will they please report to the Associate Editor of the Bulletin.

## Coming Events

Illuminating Engineering Society, meetings February 26, March 25, April 29 — for further information contact Ivaldo Pasini at 474-3402.

Institute on River Mechanics, Colorado State University, July 7-11, 1980 — Fee \$490.00 U.S. Contact H.W. Shen Colorado State University, Fort Collins, Colorado 80523.

Northern Engineering: Construction Technique and Design Consideration, Thunder Bay — March 27, 28, 1980. For further information contact R.A. Harrington, P. Eng. Lakehead University.

## Shall We Join the Ladies

The Professional Engineers' Wives Association of Manitoba (hereinafter called the Association) is in the middle of another active year. The reason we have established at the outset that we will refer to the girls as "the Association" is because Councillor Joan Sommerville has pointed out her own reluctance to use initials, as APEM does. Joan's point of view is easy to understand. Regardless of where one stops with the initials (PEW PEWA PEWAM) one does not have a melodious result. Our counterpart in Saskatchewan suffers from the same problem.

The ladies began the season with a Wine and Cheese party at "the home of Mrs. A. McLellan." (Aside to Mr. McLellan, this is the wording on the official program, perhaps you should check the certificate of title.) This was followed by a fashion show by Amanda Fashions. Members of all

shapes and sizes were the models.

On November 27th there was a dinner followed by an address by a member of the Winnipeg Police Force on the subject of "Safety for Women at Home and on the Street," which gives us a big clue as to why the engineer with the black eye who wandered into the office refused to say how it had come to be. In January the ladies listened to a speaker on "Stress Management" so if any husbands are suffering from stress there's help on the home front.

There will be a brunch and card party at the Winnipeg Winter Club on February 26th. On March 18th the girls will take their Little Sisters to the annual Big and Little Sisters dinner and show at the Hollow Mug, and on April 22nd, the Association will celebrate its 40th Anniversary at the Luncheon and Annual Meeting at the Fort Garry Hotel.

This is an interesting, well-balanced program. We sent a reporter disguised as a guest speaker to a couple of the Association's luncheons, and the word was that the ladies are also interesting and well-balanced. It's a great group, they have a good time and they do good works. This year's President is Elaine Long (489-2988), the Membership Chairman, Chairperson and Chairlady is Lorraine Saramaga (253-0764). If there are any A.P.E.M. members who would like to give their wives a treat they could furnish them with a membership in the Association. If there are any ladies who would like to join regardless of whether or not their husbands are in the mood for a treat, please contact the lady who holds the Chairpersonship.

PEW PEWA PEWAM  
PEWAMUS PEWATUS PEWANT  
— S.J.A.

## FROM THE ARCHIVES



These were the Consolation Winners in the 1963 Alumni curling bonspiel. The Bulletin Committee has offered a prize for the correct identification of these youths. (Highways Department Engineers not eligible.)

**Canadian Society for  
Civil Engineering  
1980 Annual  
Conference  
May 29 and 30, 1980**

The fourth annual conference of the Canadian Society for Civil Engineering will be held at the Holiday Inn, downtown Winnipeg May 29 and 30, 1980. The conference will feature approximately 80 technical papers in the following areas: Structural, Transportation, Hydrotechnical, Computer Applications, Municipal Environment, Construction / Project Management.

The Conference opening address "The Challenge of the Eighties" will be presented by Dr. Angus Bruneau, President of Bruneau Resources Management Ltd., St. John's, Newfoundland.

A post conference tour of the Nelson River hydroelectric power generation sites has been organized.

For the 350 members of the APEM Marathon team, there will be a two mile "Fun run" beginning at 0700 Friday, May 30, to be followed by a 'runners breakfast.'

For further information contact Dr. Glenn Morris at the University of Manitoba (204) 474-9220.

### Merit Award

The A.P.E.M. Awards Committee is open for nominations for the above award from the general membership. All nominations must be accompanied by substantiating information and submitted to the Awards Chairman,

A.P.E.M., 710 - 177 Lombard Ave.,  
Winnipeg, Manitoba R3B 0W9 by  
April 15, 1980.

#### Terms of Reference

1. The Awards Committee shall make recommendations to Council each year regarding awards to mark outstanding achievements by engineers of Manitoba.

2. An award may be made on an individual basis or on a group basis in which case it shall be made to key members.

3. In general, an award should be made to engineers of Manitoba but this should not necessarily exclude a Canadian engineer for his achievements for the people of Manitoba.

4. The basis on which merit for an award may be judged shall be:

4.1 A contribution to the literature showing outstanding scholarly achievement;

4.2 Magnitude of works successfully completed;

4.3 The pioneering achievement in fields of engineering or of engineering application;

4.4 Outstanding public service.

5. The procedures that will apply to the Committee on Awards are:

5.1 All members of the Association have the right to nominate an individual or a group for an award.

5.2 These nominations should be in Council's hands prior to June 1st of any year.

5.3 The Committee on Awards may initiate nominations.

5.4 The Committee on Awards shall review nominations and make recommendations to Council.

6. The awards will be presented at the annual meeting.

## Gold Medal

The Eighth Canadian Engineers' Gold Medal went to Dr. Robert F. Shaw, C.C., P. Eng. of Montreal. The award was established in 1972. The medal is the highest honour conferred by the profession. It is designed to bestow distinction on an outstanding engineer in Canada, and to recognize exceptional achievements in chosen fields, irrespective of any affiliation with a given society, institute or association.

Dr. Shaw was born in Montreal and graduated in Civil Engineering from McGill University in 1933. He joined the Foundation Company of Canada and rose to be President in 1962. His engineering responsibilities have included:

1. The construction of the Dew Line across eastern arctic,
2. The first thermo-nuclear shelter,
3. The construction of the N.R.U. experimental reactor at Chalk River,
4. The Canada-India reactor at Bombay.

In 1968 Dr. Shaw was made a Companion of the Order of Canada. He has received the Centennial Medal (1967), The Gold Medal of the A.P.E.O. (1967), the Julian C. Smith Award of the Engineering Institute of Canada (1968), and the Queen's Jubilee Award (1978). Dr. Shaw has received honorary doctorates from McMaster University and Nova Scotia Technical College.

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A gentleman is a man who creates an atmosphere in which people behave their best, particularly himself.

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## Moose Milk

Ray Scouten has explained to us why moose have funny horns. It comes from drinking moose milk. It's enough to curl their antlers. Ray should know. He tried some of Frank Fowler's special recipe for moose milk over the festive season and ended up with antlers. Frank's recipe is very secret. We suspect he doesn't even remember what he puts in the stuff himself.

## Questions

Here are the questions, for which the answers appeared on page 18.

1. What do castor oil and bridge have in common?
2. What is one twentieth of an Esream?
3. What do you get if you cross a unicorn with a saxophone?
4. Is or is not CCPE news of interest to our members?
5. What do Wonderbra and Rene Levesque have in common?
6. What is a swelling at the ase of the ig toe?
7. What is the name of a disreputable member of the health team in a hurry?
8. How do members of the Bulletin Committee see themselves?

## Raising Things Other than Cain

At this time of the year the seed catalogues entice us to try our hand at raising our own produce. The size of the bill at the supermarket urges some effort to grow greens, root crops and fruit, like tomatoes. The cost of greenhouse flower stock in the spring will not be lower this year. So — here's how!

If you are a beginner, several ordi-

nary flat wooden containers 24" x 18" x 2" will do to get started. Be sure there is drainage, that is, some holes in the bottom in the event you overwater (seeds rot in a swamp.) The soil should either be a purchased general purpose soil sifted through a ¼" screen or two parts of soil, one of peat, plus one part vermiculite or sand, and mix well. The rough screenings can go on the bottom to help in the drainage. The box should be filled to the top with the soil mixture. Level off with a board. Follow the directions on the seed pack for planting seed. After the seeds have grown to the two-leaf stage, they should be transplanted. To do this, follow the directions above for filling another soil container. Dipple holes about 2" apart in the soil, place the seedlings in, tamping the soil firmly around the roots. Water thoroughly from the bottom and keep in the shade for a couple of days to let the plants recover. After that keep well watered and in full light, otherwise they will grow spindly and weak. Fluorescent lights are a good source of light. Place the plants close to the lights:

Vegetables such as broccoli, brussel sprouts, cabbage, parsley, beets, swiss chard, spinach and cauliflower are cool weather plants which can be transplanted into the garden about a month before the last frost (about April 15th in Winnipeg). Seeds should be planted about a month before, in-

doors. Warm weather vegetables should be planted out after the last frost, or about May 15 - 24th. These vegetables should be started indoors about six weeks before that date: cucumbers, peppers, tomatoes, egg plant. Pumpkin and melon seeds grow very fast and should probably be started about two to three weeks before the last frost date. They are ideal for teaching children about the facts of seeds.

Peas, beans, lettuce, radishes should be planted as seed, outdoors after danger of frost is passed.

Hints: - Choose a cloudy day for setting out plants.

- Stake tomatoes before planting. Set tomatoes deep or side-ways, removing the lower leaves. The secret is that all the stem that is covered will develop roots and provide greater nourishment to the plant.

- To foil cutworms add a 2" collar of stiff paper around the tomato stems at planting, burying it 1" in the ground.

- The secret of minimum care is a summer mulch of straw around the plants, to keep in the moisture and cut down the weed growth.

May you have a Green Thumb! —  
E.A.S.

## SPRING DANCE OKTOBERFEST IN MARCH

Saturday March 8, 1980

International Inn      Reservations 942-6481

Guests Welcome



Plotting curling strategy over lunch.



Messrs. Langman (with bun) and Teranishi at the curling lunch.

**WATCH FOR SPECIAL  
NORTHERN EDITION  
COMING SOON**

## 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.

## Moving?

PLEASE let us have your change of address



Dave Sharpe and his winning (?) team of curlers.

# ANNUAL MEETING 1979 — THE DANCER

