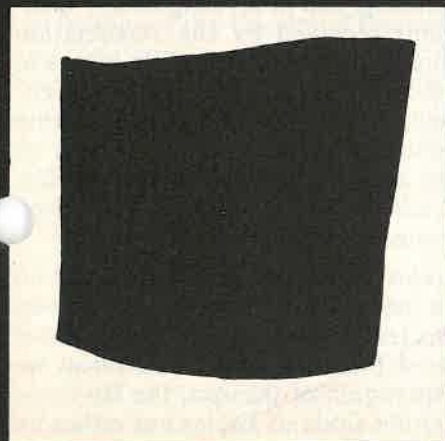
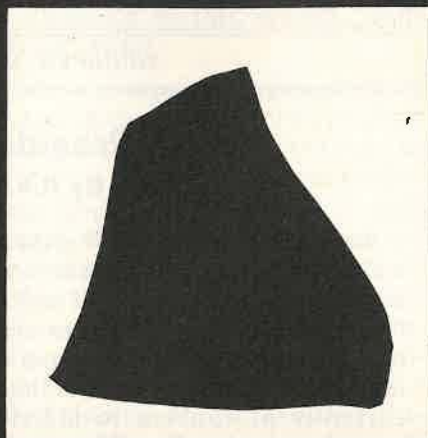


Bulletin

August
79

*The
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WINNIPEG, MANITOBA AUGUST 1979

President's Message

By R.A. Johnson, P. Eng.

Summer I have often felt is the time when one should use the comfortable long hours to take stock of one's affairs. One matter that I see as central to the Association's business and identifiable in many of the issues that are currently of concern to individual members is that of "self-interest." It relates directly to the entire business of the special meeting on what once was called the "Fee Schedule" and arose at the second special meeting on funding of the Faculty of Engineering. It may well be one of the concerns that has led to renewed government interest in the governance of professional organizations.

The main reason for establishing the Association in 1920 and continuing its existence ever since was and is the government's concern for the protection of the public. This theme permeates the Act and is found in its most explicit form in the Code of Ethics which states "The Professional En-

gineer shall regard the physical and economic well-being of the public as his first responsibility in all aspects of his work." The Association fulfills this responsibility through three principal functions: to register or license qualified individuals so that they may practise engineering legally within the province; to assess the qualifications of all applicants for registration or licensing; and to investigate any complaint received by the Association from whatever source which seems to indicate that someone is either engaged in the practice of engineering without the proper qualifications or has, as a registered or licensed Professional Engineer, in some way been negligent in that practice.

The Association's credibility with the public (and this really means with its creators, the government) is not based primarily on the technical interpretation of the Act, the By-Laws and the Code of Ethics but rather on

the degree to which the public believes that the Association does concern itself with this general theme and is not preoccupied with matters of self-interest.

At a meeting with the Minister of Labour, which I reported in an earlier Bulletin, we made it very clear that the Association was neither for nor against unionization of its members but could see possible conflicts for them because they were charged with responsibilities under our Code that others in a union might not be. The advice which we received and accepted was that this should be drawn to the attention of the membership for individual consideration and action.

In accordance with its By-Law 35, the Association held a special meeting to consider and adopt the "Guide for the Engagement of Consulting and Professional Engineering Services." This document is a considerably expanded version of what used to be called the Fee Schedule and still does include a section on Payment Scales. This is not self-interest price fixing but rather alerts the public to the level of costs they can expect to be charged for competent Professional Engineering services.

At the more recent special meeting on funding of the Faculty of Engineering, one speaker asked why the Association was concerning itself with an issue that seemed to him unrelated to its responsibilities. My answer from the chair was to quote the following from my letter to the membership of March 13, 1979:

"Council believes that a stronger governmental-industrial-Faculty link is not only important to establish adequate funding for the Faculty but also essential to the quality of Engineering practice in the province and to the

economic well-being of its people — a matter of direct responsibility for this Association. The Association cannot remain aloof and expect others to assume the total responsibility."

What we as Professional Engineers seem to be missing is one effective voice on matters outside the responsibilities of our Association. Other professions have separate bodies for the two purposes. One has to admit that other professions are better understood and appreciated (by all meanings of the word) by the public at large — perhaps in no small measure due to the existence of this second "self-interest" voice.

Unless a separate organization is created for that purpose or some other existing body is accorded the right to speak for a broad spectrum of Professional Engineers on matters of self-interest, the only voice of this profession will speak on matters directly related to the charge placed on this Association by its legislative masters. Creation of that second voice will, undoubtedly, blur further the public's understanding of Professional Engineering. It needs to be done but with great care.

Pro re nata.

Council Meeting June 11, 1979

The June Council meeting began shortly after 3:30, with 7 members present. After a quick review of the amended agenda, the Minutes of the May 14, 1979, meeting were approved.

Mr. R.A. Johnson led a discussion on possible changes in incorporation legislation. Mr. A.G. Spencer agreed to be the Association contact person to the Manitoba government in any study

on proposed changes to the Incorporation Act as it may affect the Engineering profession. Andy Gilliland, past president of APEM, discussed the latest Canadian Council of Professional Engineers Board of Directors Meeting held on May 24-25, 1979, in Fredericton, New Brunswick. A new president was elected, F.C. (Ted) Turner, P. Eng., of Wolfville, Nova Scotia.

After accounts were accepted, a number of licences, transfers, etc., were approved, Council directed that appropriate letters of appreciation be sent to J.D. Wiebe and J.S. Townsend, retiring members of the Board of Examiners, giving thanks from Council for a job well done.

Next came a report from John Lewis on Parliamentary behaviour at Council meetings when visitors are present. John expressed concern as to maintaining decorum, i.e. "having remarks directed to the Chairman, having members act in a dignified manner." Dick Johnson stated that Council is duly admonished and said "that reminds me of a joke..."

A lengthy and serious discussion on Council meeting secrecy followed. The intense discussion centered on whether the general public and/or Association members could attend any or all portions of a Council meeting. After stating that in the past he had invited numerous Association members to attend meetings and so far had not received any takers, John Lewis was directed to pursue the question of "open Council meetings" and report at a subsequent date.

The next item on the agenda was the "Funding of the University of Manitoba Engineering Faculty." Council discussion centred around the A.P.E.M. Special Meeting to be held

on June 26, 1979, at the Viscount Gort Motor Hotel. The results of the special meeting will no doubt receive substantial coverage in the Bulletin.

The next item was the price of the book entitled *Westward Go Young Man*, by J.L. Charles, 1978. Council decided to order 10 copies of this book for \$35.00 each, to be presented yearly (for the next 10 years?) to the recipient of the Canada Northlands Development Award.

Dick Johnson, as information, read a letter from the Association's Public Relations Committee recommending disbanding of same and hiring a public relations firm instead. This matter must be reviewed by Ed Klassen's committee since it is difficult to substitute a committee with a consultant without spending money.

After discussing a new format for the next APEM general meeting to be held on Nov. 22 - 23, 1979, Council arrived at the last item on the agenda. George Spencer, L'Ingenieur, reported on his sojourn to the "Congres Annuel De L'Orde Des Ingenieurs Du Quebec 1979. George seemed quite impressed with the proceedings and closed his comments thusly "compared to Manitoba Engineers, the Quebecois Ingenieurs certainly know how to spend money and have a good time."

The Meeting adjourned at 7:25.
B.V.H.

Honoured

The Manitoba Society of Engineering Technicians and Technologists has honoured Harold Wilson, P. Eng. and J. Eric Dowell, P. Eng. in recognition of their outstanding service to MAN-SCETT.

The Meeting

The Main Event

By L.G. Swain, P. Eng.

I'm ... "not proud to be a professional engineer"... Dave McIntyre of Federal Pioneer Electric stated at a special meeting of the Association held June 26th at the Viscount Gort Motor Hotel. The Grass Roots Group (G.R.G.) comprised of thirteen members, had, with a little used by-law (#19) under the Constitution, called the meeting. The group's stated concern was the Association's position regarding the funding problem in the Engineering Faculty at the University of Manitoba.

The meeting was opened by President Johnson. The first speaker was D. Grimes who read into the record a two part resolution which defined action which should be taken by A.P.E.M. The resolution was seconded by John Adam who gave a personal history of his involvement in the G.R.G. He then proceeded to read into the record information which had been handed out to members at the door. Other speakers who identified themselves as members of the G.R.G. and who spoke throughout the evening to the resolution were Dave McIntyre, Peter Malburg, Dan Card, and Don Simons.

The third speaker for the evening was Dean Wedepohl who gave a history of the Engineering budget since 1972, and how the budgeting process had worked against the Faculty since that time.

The general consensus of the meeting was that there was a problem with the funding of the Faculty and that something had to be done to rectify the situation. The individuals who chose

to speak, however, usually disagreed on the degree to which the resolution should be restructured. There were others though, who looked more deeply at the problem.

Mr. G. Bunio, a representative of the student body, indicated that the people of Manitoba can't afford to have a "bargain basement faculty" and therefore the Association should move to save the faculty. He said that A.P.E.M. has a reputation of "missing the boat" on important issues. Cy Howard, representing the Alumni Association, a group which had been studying the problem since December 1978, felt that part "A" of the resolution would get the project bogged down in statistics.

Former President Ted Glass informed the assembly that three years ago Dean Wedepohl had told A.P.E.M. that their help was not needed at that time, but asked that the Association remain on the standby. Mr. Glass agreed with John Lewis who had spoken earlier that clause "A" of the resolution would do no good. Lewis had said that clause "B" was not strong enough, while Glass had thought that action should be directed towards some task forces recently established by F. Johnson, M.L.A.

Sandy Thornton-Trump "felt unhappy to be in the Third World" compared to other universities around the world, and actually proposed the establishment of faculties for chemical and industrial engineering. Ted Speers felt that clause "B" of the resolution transgressed the powers of the Uni-

versity Grants Commission and its function of protecting the University's academic freedom. He also felt that if the Association exceeded their own terms of reference, government intervention in A.P.E.M. might result. C. Templeton felt that the problem rests with the 1970 University Act and that the Act is not "workable in today's conditions." He was later supported in his argument by G. Spencer.

W. Saltzberg stated that the resolution would do nothing "tomorrow" for the faculty, while B. Foster just wanted to get on with passing the resolution. G. Newman thought that Manitoba was in competition with other provinces' schools, not the Faculties of Arts and Science. Ted Lightley, a graduate student, felt that Engineering did not face a money problem but a management problem. Charles Howard said that since the purpose of the Association was to protect the public, the problem shouldn't be discussed at all. O. Haweleshka "felt A.P.E.M. was useless until now." Ray McQuade thought that the resolution was destructive.

What started out as a meeting to discuss the serious problem of funding in the Faculty of Engineering finally turned into a debate of the rules of order of the meeting. In the end, the resolution as moved by T. Speers and seconded by T. Glass was passed. The following are the resolutions to be put before Council.

"That whereas the University alone has not been able to solve the Faculty of Engineering's budget problem that Council establish a Committee of Professional Engineers to make a strong and effective presentation before the University Grants Commission requesting the Government to take the necessary action to solve the

Faculty of Engineering's Funding problem, this to be in addition to the action proposed by the Grimes resolution." (Speers, Glass.)

It was moved by Mr. Grimes and seconded by Mr. Adam that "whereas our information indicates that the current budget of the University of Manitoba Engineering Faculty has a shortfall of approximately 35 percent (\$1 million to \$1.5 million annually) from that required to ensure accreditation and achieve a high standard of engineering education, be it resolved that the following Action Plan be undertaken by Council of the A.P.E.M.

- (a) Ask the University of Manitoba to arrange for the review of the University budget by an outside expert with the objective of determining whether or not the required budget increase can be made available to the Faculty of Engineering within the existing University funding;
- (b) If the University Administration does not act on this request by the A.P.E.M., or results of the review confirm that the University alone cannot solve the Faculty of Engineering budget problem, strong and effective presentation will be made to the Economic Development Committee of the Government of Manitoba, requesting that the Government take the necessary action to solve the funding problem."

What Crisis?

Engineers as any other group can be and are manipulated for certain reasons. Where the actions do not have an undertone of logic most times you would expect engineers to recoil and start going to the heart. That is an

ideal, but is not always within the realm of human folly.

While I do not want to pretend to have all the answers, nor even most of them, I have looked around a little, looked over a few rocks and tried to find out what this crisis in engineering is all about. Further I wanted to determine if our Council is a bunch of vacillating, weak-kneed, non-leaders (as some would suggest), or if they simply are showing good sense in not being stampeded into a potentially embarrassing position.

After some basic analysis of various figures and trying to figure out what the meeting was all about I have drawn a conclusion that there is a certain faction who would have our association forget its reason for being and direct its total attention to throwing stones at the University of Manitoba Administration for reasons known by them and suspected by a few.

There is no question that with all things the Faculty of Engineering is not as it could be, but then what is? Further many people recognize that some things need improvement. There are classes with too many students in them, there are labs with too little equipment and there are other problems which must be dealt with.

Let us first of all go over an oversimplified break down of how money gets to the students.

There is a money allotment given to the University via numerous channels. Each faculty dean is apportioned a block of this money in the form of an operating budget. How it goes from there is his responsibility. This is less necessary capital expenditure for new facilities or equipment. That is given to the faculty based on need and availability of funds from the University Grants Commission. I'm not

going to try to explain the mechanics involved because it is not relevant. What is in question is are the engineering students well grounded academically in engineering or are they not? The CAB who measures this has said they are falling short, but where?

Their analysis based upon input from the Dean of Engineering says they are lacking in the humanities and are not getting enough money. Assuming an engineering student requires a smattering of humanities to augment the technical, then steps have already been taken to overcome this deficiency. On the second point I don't follow the logic that more or less money per student makes the graduate more or less competent unless someone who is getting the allotment is using the CAB to bolster his own purpose.

There were two speakers who eloquently pleaded that their machines were outdated and/or student to equipment ratio was too high to give each student enough hands on experience. If this is true then a dollar figure could be applied and a search started to get this remedied.

What we got from this group was a strong statement declaring a "crisis exists" because of a lack of funding. The lack of funding is said to be 1 - 1.5 million dollars (a substantial margin of error).

If the problem is enormous and it is only in dollars how many dollars is it? No one knows — so is there a crisis or is it a well orchestrated performance in sour grapes?

The meeting attended by approximately 130 members on too short of notice, would have us believe that we are in trouble. The CAB report makes no mention of inadequate or unqualified staff or of deficiencies in engineer-

ing training per se. When a few people tried to point out correctly that where the registrants of this association get academically qualified and trained is not of primary concern to the APEM and that we have only a selfish concern to the engineering faculty at the U of M, they were rewarded with a bizarre situation of people bouncing up and down on points of order even by some who by those same rules were not supposed to be there.

In total where is the "crisis"? Does anyone care? One speaker Ray McQuade spoke on the subject from his position on the Board of Governors. Clearly they are aware that engineering requires money. Where they can, they have freed extra money. The \$600,000 grant from the Provincial and Federal Governments will go a long way. From the U. of M. over the last year \$115,000 has been added to the baseline budget. More funding is being sought.

I still have some questions:

1. Why did the meeting go without any input from the Dean who will ultimately be carrying the can?
2. Over 300 copies of the Grassroots report were distributed prior to the meeting; where were the recipients of these documents?
3. Why were so few members of the engineering faculty in attendance?

After some thought I have come to these conclusions:

1. Council has acted and is acting in accordance with the best interests of the profession.
2. The actions of the "Grassroots Group," while with the noblest of intentions, were hasty, unprepared and not going to achieve any worthwhile end.
3. The Crisis may be over by the time this article is in print.

4. The CAB should explain how a direct parallel can be drawn between dollars/student and how well educated the graduating student is.
5. Let the University Liaison Committee Liaise on behalf of what the professional body is looking for in its graduating engineers so the students are prepared and the University can incorporate the actions necessary without the feeling of being pushed around.
6. Confrontation politics is not our bag and if we get involved we are going to be bludgeoned and thrown out to the Jackals. — R.A.K.

June 26th, 1979

Council called a General Meeting on behalf of engineers calling themselves the Grass Roots Group, concerned about the University of Manitoba Engineering Faculty funding problem, and the report of the CCPE Accreditation Committee.

Doug Grimes, P. Eng. as spokesman for the group, presented a resolution in two parts. The first part called for an outside expert to review the University budget to determine if further funds could be made available to Engineering. The second part implied that if the University did not act on the first part that the Council make "strong and effective" presentation before the Economic Development Committee of the Government of Manitoba to take the necessary action to solve the problem.

This motion was passed with considerable discussion, as advice to Council. President Dick Johnson, chairing the meeting, indicated that further representations to Council on the same subject would be entertained.

Ted Speers, P. Eng. pointed out that the terms of reference of the Accredi-

tation Committee covered cooperation with the Provincial Associations in promoting uniform standards for registration of engineering graduates, the fostering of high standards of engineering education, and to evaluate courses taken by foreign students. The Accreditation Committee's purpose is to ensure minimum acceptable standards in education levels. Nowhere in the terms of reference is any mention of finances or correlation of dollars to accreditation or to the level of engineering education.

In the Canadian Accreditation Board (C.A.B.) report relative to the University of Manitoba Engineering (minute 625.2), emphasis is placed on all engineering faculties requiring upgrading to meet the required minimum in humanities, social sciences, administrative studies and engineering economics — all basically arts courses.

It was noted that all faculties were accredited for three years, extendable to five years on the basis of improvement in the afore-mentioned arts courses.

It was agreed that something should be done to improve the engineering budget, particularly relative to laboratories. But, was the proposed way the best way?

The University Grants Commission (U.G.C.) was set up to be a buffer between the Government and the University to basically prevent the Government of the day from interfering with academic freedom.

By the suggestion of going to the Economic Development Committee we would be transgressing the boundaries that have been set up. The U.G.C. welcomes representation from the community. This is where we should be heard.

For an Association that has recently been concerned about Government interference in association affairs, we, by not following the ground rules, and by expressing our concerns as an Association, may exceed our own terms of reference, and thereby invite Government involvement in our Association affairs.

The Rules

The President announced at the outset that while we were governed by Bourinot's Rules of order he hoped to be able to conduct the meeting without too rigid application of the rules, and he proceeded to manifest his good faith by allowing the mover of the first motion to do the moving first and the elucidation second, instead of vice versa as required under the rules.

The main purpose of the rules, as is surely the case with all rules whether they be with regard to the conduct of meetings or social etiquette, is to help make things run more smoothly and fairly for all involved. When used with discretion good results are achieved. When they are used to embarrass someone, to achieve an unfair advantage unnecessarily or for devious purposes, they are being misused.

It is relatively easy to take the pulse of a meeting, if indeed it is not known even before the meeting convenes. An enthusiastic response to the mover and seconder of a motion is a good barometer. If there were no rules preventing such a manoeuvre, the mover, scenting success, could immediately move that the debate be closed. Fortunately such a thing is not possible. Under Bourinot "Every member has a right to discuss any question." A person who has already spoken may not move that "the question be now put." If anyone who has not spoken is tired of

the debate or feels some limits should be put on it, he may move the previous question. This precludes the moving of any further amendments to the main question, and it cannot be moved to an amendment already being considered. "Debate may continue on the main motion after the previous question has been proposed, but no amendment may be proposed to a motion for the previous question, nor can the previous question be proposed when there is an amendment under consideration."

The President relaxed the rules to the extent that he allowed a non-member, the Senior Stick of the Faculty of Engineering, to address the meeting and he allowed one member of the Association to speak when there was no motion before the group to speak to.

A ruling of the Chair was once challenged, and the meeting upheld the Chairman.

Without rules we would find ourselves in the position advocated by the Rhinoceros party in the recent federal elections. They suggested that the rules for driving should be changed and that we should begin driving on the left hand side of the road, that the change should be gradually phased in, beginning with vans and trucks. The means to the end is sometimes as important as the end, and often more significant.

The Numbers Game

There are approximately 2,700 registered professional engineers and engineering graduates enrolled with the Association who were sent the notice of the Special Meeting on University Funding called by the Grass Roots Group. The meeting notice specified that if members wished to

review the material before the meeting they could pick it up or request that it be sent out to them. Requests for copies of the material, at a cost of 40c to 50c per copy, exclusive of time and postage, indicated there was considerable interest in the subject and that there would be a large turnout at the meeting. Attendance did not bear this prediction out, as the following figures would indicate:

Copies requested in bulk

Manitoba Hydro	250
Manitoba Telephone	80
Individual copies requested	17
Requests for 6 copies	2
Request for 3 copies	3
Requests for 2 copies	1

There were 370 copies distributed before the meeting. Of the 2,700 who were sent the meeting notice and the 370 who received copies of the material before the meeting, only 130 members attended the meeting. A breakdown follows:

University of Manitoba	32
Manitoba Hydro	18
Manitoba Telephone System	17

No other organization had more than five members present, and there was only one in that category, one had four representatives, five had three, four had 2 and the balance were individual representations.

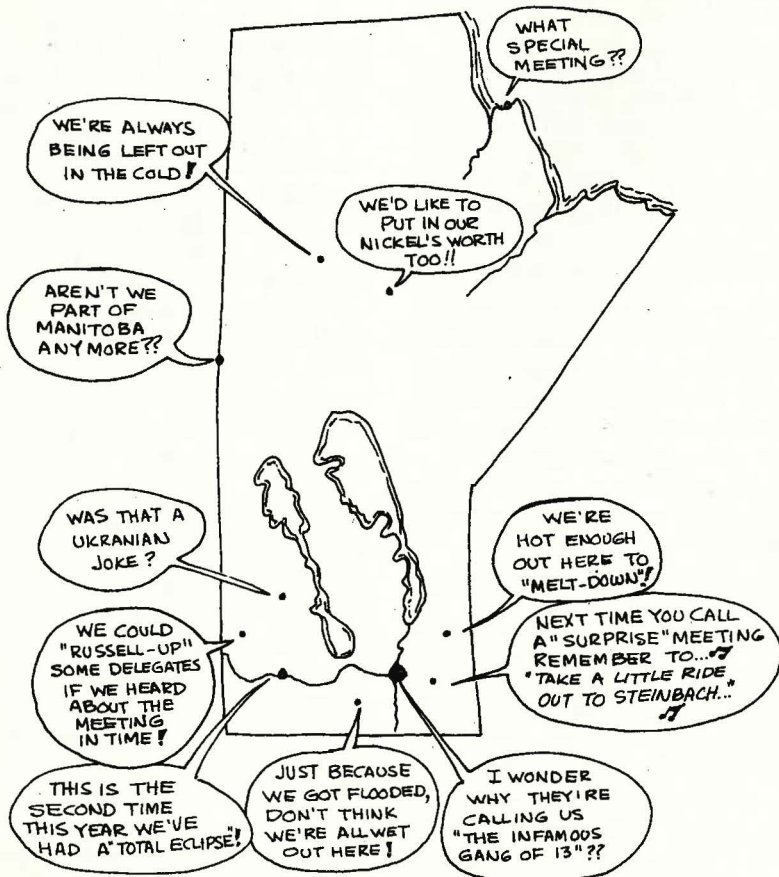
If one subtracts from the 130, the Grass Roots Group, members of Council, those who are employed at the University and the members of the Bulletin Committee, the answer is 71.

There can be many interpretations of these figures. It could be said that there is such keen interest in this subject that even on a lovely warm June evening, with the golf course beckon-

ing, 130 responsible engineers turned out to show their support if not for the motion at least for the topic. It can also be said that there is so little interest in this topic that thirteen people couldn't nip up any more than 71 outside observers to give up a few hours to the subject. We'll leave the interpretation to Council. That's what they're not paid to do. The interpretation put on what Council does about the motions passed at the meeting may be as diverse as the foregoing. Their role is not an envious one.



President Johnson presenting the Sullivan Cup to low net winner Tim Stratton.



A FEW COMMENTS ON THAT "SPECIAL" MEETING...

The System

All men may be created equal, and even that is debatable, but all members of the Association do not have equal opportunities and it is time something was done to rectify the situation.

Under the existing regulations a group of six members of the Association may have a special meeting called. "Not less than two days' notice shall be given for such a meeting" (by-law 19) and the motion that is to be presented must be submitted to the office, in writing, 48 hours before the meeting.

Any notice of a meeting that was sent out 48 hours before the event would, in most cases, arrive after the event. If the motion is not received in the office until 48 hours before the meeting for all practical purposes it is impossible to get it into the hands of the members before the meeting.

What opportunity do the members in Thompson have to participate, even in writing, in such a meeting? It is possible that six members in Lynn Lake could decide they differ with some point of view taken "down here" or wish to propound some thesis of their own and ask to have a meeting held in Lynn Lake.

At the Special Meeting called at the behest of thirteen members of the Association held on June 26th, Council was directed to act on the views of approximately 4% of the Association. Councillors represent all the members, although they are only elected by 30-40% of the members. They represent engineers in Dauphin, Brandon, The Pas, Thompson, Leaf Rapids, Pinawa and these engineers deserve to know what is going on in their Association before the fact and not afterwards, and Council should have the benefit of

input from all members on any subject warranting a special meeting.

Members who reside outside the City of Winnipeg, either elsewhere in Manitoba or beyond its borders, are not second class members of this Association. The rules may have been adhered to in calling the recent Special Meeting, but there is a world of difference between doing the minimum that is required and being fair to all the members.

Unusual Event

The meeting called for June 26, by the Grass Roots Group, on the subject of funding in the Faculty of Engineering, was one of the most unusual events in the history of the Association. We have a situation where there is general agreement that the Faculty of Engineering is underfunded. Unanimity ends with diagnosis, as exemplified elsewhere and at the meeting. There is genuine concern among members about the funding problem, but the turnout at the meeting could leave one with the impression that engineers are much more interested in the golf tournament.

Several speakers rose at the meeting to announce they would vote for the Grass Roots motion — BUT they then proceeded to point out what they considered its flaws and/or fallacies. The one voice of reason suggesting a ten-minute recess to permit the rewording of the motion so it would have more universal acceptance was given almost no support at all.

Council was following a course of action that, in their wisdom, they thought was the best one. What possible reason could they have for doing otherwise? In what position has Council now been put? Council does not know, nor does anyone else, what

the majority of the members of the Association wish to see done on this issue.

There are other faculties with financial problems and whose accreditation could be threatened. Is it inconceivable that some of them may ask for investigations not only of the total budget but of individual budgets? Dentistry recently had accreditation problems and needed new equipment. Law has been in the headlines as needing more funds. If each faculty turns itself into a pressure group what will be the results? If the Administration and Board of Governors show any sign of giving in to pressure groups, what then? Anarchy? If the Administration acceded to several requests for reports from "outside experts" on its total budget and individual faculty budgets, the exercise could take years and gobble up valuable dollars.

Those University professors who made very valid points at the meeting and who are working with outmoded and inadequate equipment can point an accusing finger at this Association if we cannot get our act together. On an issue of this magnitude, when all members are working toward the same goal, surely we can send out a notice to our members that will attract comments from those who cannot attend, and a much larger attendance, and surely engineers of good will, realizing the seriousness and urgency of the problem, can draw up a resolution that can be unanimously and enthusiastically supported. If we cannot do this, we are the ones who need the "outside experts."

One speaker at the meeting commented he had heard a lot of negative comments. He had. It is customary to hear negative comments from those who are opposed to a motion. What

was unusual was the negativism expressed by some speakers who were voting for the motion.

The timing of the meeting was unfortunate, and perhaps this fact alone was the main reason for its very limited success. For the sake of the engineering students, the faculty, the profession and the public we are charged to protect, let us pursue this matter in a calm, reasonable, constructive, cooperative manner, as intelligent people of goodwill, the co-operation and goodwill extending not only to each other but to those charged with the difficult task of funding a University in a province with very limited resources. There are many sides to any issue and anyone who doesn't want to listen to them all but only wants to hear an echo of his own voice is going to make a minimum contribution to any kind of solution. It is a very sobering thought, but if the funding problems of the Faculty of Engineering are more serious than those in other faculties perhaps a new approach is in order. There is no evidence to suggest that anyone connected in any way with funding for the University has given in or is likely to give in to any pressure group. Perhaps they do respond to the constructive co-operation of concerned people of goodwill. This Association owes it to the members of the Faculty and to the students to go no other route.

The pros and cons of the Grass Roots motion were discussed for over two hours. Although the second motion, to establish a Committee to make representation to the U. G. C., had two amendments, it ran into no opposition and was approved in a fifth time.

Dr. Wedepohl's swansong was followed by a motion of appreciation for his efforts (Wexler, Barkwell) and a partial standing ovation.

A motion (Scouten, Grimes) thanked Ray McQuade for his efforts as Chairman of the Board of Governors of the University.

Messrs. Speers and Buckler moved a merciful end to it all.

Now hear this!

The Bulletin Committee received a request from a member of the Grass Roots Group asking for leave to review any and all articles on the Grass Roots meeting before publication. The Bulletin Committee declined.

The material for the Bulletin is reviewed by the Bulletin Committee. Members of Council, including the President, see it for the first time when their published copy arrives in the mail.

Members of Council adopt a complete hands-off policy with the Bulletin — so much so that our reporters over the years have taken a great deal of liberty with Councillors. To their credit, Councillors have taken all our flak in good grace.

Reporters who attended the G. R. G. meeting did so with no directives from the Bulletin Committee, other than to write it as they saw it. That the reporters pretty well agreed with each other is coincidence, that we find ourselves in agreement with most of the members of Council is downright embarrassing.

Short Takes

No one offered to pass the hat

The spectacle of a member of the Faculty of Engineering audibly muttering "bulls —" while someone else is speaking makes us wonder if old equipment is all the students should be worried about.

The meeting cost over \$1,800.00 which would have made a nice start toward a fund for the beleaguered faculty. If the Grass Roots Group had been willing to hold the meeting a week later, or to have their meeting notice go out with the June Bulletin three days after it (the meeting notice) was mailed, the saving to the Association would have been about \$600.00 in postage and envelopes.

One non-member who was given permission to speak early in the meeting, in support of the G. R. G., decided that his licence extended to permitting him to rise quite some time later, "on a point of order" to question the rights of a long-time member of the Association to speak.

Reflections on Pronouns

By Paul Shane, P. Eng.

In recent times, the number of women in the work force and in the professions has grown markedly. Economic pressures have largely been at the root of this development; but, in addition, a new spirit is abroad in the land. There has been a growing recognition amongst both the male and the female sectors of our society that "women is people." On the part of the latter segment a somewhat amorphous movement has flared up in various places and at various times which the public or the agencies of news have labelled "Women's Liberation." One of the perhaps unexpected results of all these activities of our female population is, oddly, the appearance of a problem with the genders of pronoun and a certain class of nouns.

While women in western society, in particular, have been striving to achieve "equality" with males, language has been trying to cope with the resulting social changes. For example,

there are numerous words in English ending with the suffix "man" which denote trades or status, such as foreman, chairman, policeman, salesman, spokesman, etc. Insistence by the more vocal elements of the feminine elements of our population and their male sympathizers that such words are discriminatory on "sexist" grounds has led to the creation of female counterparts for these words. We now see in print, or hear on the radio or television, such words as forelady, chairlady, policewoman, saleslady, etc. In some cases, it appears to have become desirable or even mandatory to avoid references to gender entirely; and such words as chairperson, salesperson, draughtsperson, spokesperson, etc., have appeared in the language. We await, with some trepidation, the introduction of the "word" policeperson.

The described influences at work have also touched another element of language, namely: the pronouns. In an older day, it was presumably taken that a professional or tradesman, or even a laborer, was, with virtually no doubt, a male. We are all aware that the grounds for this simple assumption no longer exist. Today there are female lawyers, engineers, doctors, cab drivers, police officers, etc. Factories and offices abound with female employees, from work-bench or stenographic desk to executive offices. Hence, the use of the pronouns "he, him," or "his" in allusion to persons in the professions, commerce, or trade, carries with it the risk of offending the sensibilities of at least some of our women and their male supporters. To say that a lawyer who defends *himself* in a court of law has a fool for a client will receive no argument from these persons. On the other hand, these same ladies and their gentlemen

sympathizers may take umbrage to hear that *he* who desires to become a lawyer should possess a strong sense of natural justice. It goes without saying (although we say it) that women, or some of them, also lay claim to this attribute.

Those who espouse the principle that women should have equality with men have been instrumental in the introduction of combination pronouns into English. Examples are "he/she", "his/her", and, on at least one occasion of which the author is aware, "him/herself". It is of interest, by the way, to speculate how the "slant" has come to replace the good old conjunctive "or". The former has somehow crept into print in recent years, as in "No excuses/apologies are called for", (in which one other rule of English has been violated). This use of the "slant" perhaps marks the no-nonsense executive of few words; and has, in some manner, spilled over into everyday writing.

The history of language has shown that, on occasion, hyphenated words have eventually become single words. Baseball started life, we have heard, as "base-ball." The German penchant for multisyllabic words is another example of this process. It thus seems conceivable that these combination words with "slants" may, one day, become single words. One contemplates, not without a shudder of revulsion, the emergence of such "words" as "heshe" or "andor." Is it unthinkable that a little monster like "himherself" could also arrive brazenly on the scene?

It is not plain, but one may entertain a suspicion that at least one other rule has been mangled in attempts to avoid this awkwardness with gender in the use of pronouns. A rather unfortunate example is the following: "If any per-

son wishes to obtain more information, *they* may apply to the address given below." "Any" implies one, while "they" is obviously plural. Is this use of "they" a result of grammatical ignorance or is it a deliberate attempt on the part of the speaker or writer of these words to skirt the issue of gender in pronouns?

For those who seek to avoid charges of being "sexist", there are a few methods of getting around the problem. Some of these are:

- (a) Say "If any person, etc., he or she should, etc."
- (b) Say "If any person, etc., that person may, etc."
- (c) Say "Persons wishing more information, etc."

Alternative (c) seems best because it achieves the purpose of "no offence" to our sensitive ladies with a minimal number of words. Naturally, this method is not always applicable; and one of the other alternatives, although cumbersome, may have to be employed.

On reflecting on these matters, one is almost inevitably bound to confront the dilemma posed to old proverbs by these changes in language. Some of these proverbs use the masculine form of pronouns. A common example is "He who hesitates is lost." Should one suppose that women never hesitate, or that, having hesitated, they possess a providential immunity to the consequences? This supposition does not seem reasonable in the light of the fact that it is known that some worthy females have, on occasion, hesitated. Once again, to avoid giving offence in certain quarters, one could say "He (or she) who hesitates is lost." Something else has been lost, too. Perhaps one can be forgiven, "sexist" as it may seem, for assuming this use of "he" is

calculated to achieve terseness or "punch" while involving in its wisdom persons of both genders. Many other examples of this principle can be adduced.

This little learned treatise may be concluded with the thought that brevity is the soul of wit, although it is not a particularly apt example thereof; but that brevity also holds down the cost of telegrams and long-distance calls. Further, if one chooses, or feels compelled, to use pronouns of both genders, it is to be hoped (ferverently) that the form "he/she" will, at least in the name of linguistic elegance, be actively eschewed.

We Couldn't Have Said It Better Ourselves

The thought has crossed our minds from time to time, as we have been exposed to blatant esoteric pomposity, that there must be some suitable way to describe the bombastic performance of some of those who have pursued a narrow line of endeavour to the total exclusion of all others. An apt description appears in the June 1979 issue of the Proceedings of the IEEE. One of the contributors is described in part as follows: He "received the usual protracted technical education, culminating in reception of the Ph.D. degree in physics after exhaustive study of an esoteric topic of no practical value ... He began to scramble up the professional pyramid ... He outraced scientific obsolescence by achieving appointment as Head of the Telecommunication Systems Technology Branch and is now busily in pursuit of the Peter Principle .. He boasts the usual affiliations that carry arcane Greek letter designations in return for the payment of annual dues, as well as membership in technical

societies that offer cheap life insurance." And when we forgot in whose august presence we were and addressed him as "mister" he elevated his chin, glared down at us and said haughtily, "DOCTOR!" There was egg on our face — and on his tie.

New Members

The following have become registered as Professional Engineers: R.L. Capstick, M.F. Dyrkacz, E. Kuffel, D.W. Bertram, S.J. Crawford, R.P. Hoemsen, Y.F. Mak, J.A. Melville, A.K. Nelson, K.H. Ng., J. M. Peschon, D.A. Peters, A.P. Pietrzak, M.N.A.L.A. Said, K.S.K. So, D.G. Stanbra, G.R. Arpin, R.C. Wolowidnyk, G.J. Foley, B.R. Junkin, M.V. Meyerstein, A.D. Henri, S.H. Rizkalla, R.D. Durante, F.J. Elbers, W. Fast, R.A. Feeney, M.K. Fries, W.C. Girling, J.S. Heuvel, R.A. MacGillivray, C.D. Ngai, J.W. Pesto, G.W. Robson, K.L. Somerville, I. Tomlinson, W.C. Wagner, R.K. Wedel.



President Johnson presenting the Landon Cup for low gross to Don Mulder.

Engineering Graduates Enrolled

R.L. Thorpe, K. V. Brischke, R.W. Cameron, R.H. Neufeld, R.W. Sanders, R.W.C. Stevens.

History

Twenty years ago fifty-three members of the Association attended a Special Meeting to approve increasing the annual fee from \$12.00 to \$15.00. President Wardrop recorded with regret the passing of Dr. E.P. Fetherstonhaugh. New members included E.F. Glass and D.R. Grimes. Bob Gottfred won the Sullivan Cup, emblematic of golfing supermacy. It was decided to depart from the customary annual meeting held in the evening and to hold the 1960 annual meeting on a Saturday, with a luncheon sandwiched in between two business sessions.

Ross Adamson tallied up 27 strokes on the 17th tee in the annual golf tournament. Council decided it was time to hire a full-time Registrar, and a proposal to increase the fees by \$10.00 annually was passed at a special meeting attended by 45 members. C.R. McBain, Editor, announced the appointment of Boris Hryhorczuk as Staff Cartoonist.

Gregory Bridges and Robert Fry

Our congratulations to Gregory Bridges and Robert Fry who have shared the Association's scholarship for First Year Engineering. They have identical achievements of straight A+'s in First Year Engineering, with a Sessional Grade Point Average of 4.00 and an Award Grade Point Average of 4.50. (The award grade point average is only used when determining an award.) Both students are on the Dean's Honor List.

Athlete of the Week — Glen Bergson, who walks up the stairs to the office to Committee meetings. Puff Puff.

New Members

What do Engineers do when they are not practising Professional Engineering? A roving reporter put this question to those attending a New Member Reception on June 6th. Eric Wistow, who came to Canada from England eight years ago, spends his spare time fixing up his basement and working in his garden. (If you are interested in moonlighting, Eric, please contact the Editor.) Eric spent the past winter at Sundance, where he says it seemed like Spring when the temperature rose to minus 40.

El-Arini is interested in Sports — tennis, squash, soccer, billiards, backgammon and poker. Nady Said collects stamps and coins. Ray Lennark was transferred to Manitoba from Quebec. He has very discriminating taste (prefers Manitoba over Quebec) and devotes his free time to his two boys, aged 11 and 15.

Al Nelson is interested in flying and sky diving. Dave Standbra plays tennis and enjoys wilderness canoe trips, "but not alone. I'm too scared for that."

Kin-Sang So graduated from the University of Saskatchewan and now lives at Gimli where he works at the distillery. He said the fringe benefits do not include testing or free samples.

Peter Jackson is interested in model railways and camping. He came to Canada from England 13 years ago and is working his way westward. He plans to retire in Vancouver.

Shirley Matile is a cyclist, is interested in jogging and swimming and since both her spelling and her metric measurements made such a favourable impression on the Bulletin Committee she has been recruited and her latest hobby is journalism. She will be accompanied to the Bulletin Committee

by Les Swain who also passed the spelling test with flying colours. Les coaches hockey and is "heavily involved in... (censored.)"

Norbert Hansch is interested in skiing "sworking" in summer and interviewing young ladies all year round. Cub reporters Shirley Matile and Les Swain spent a considerable portion of the reception with Norbert and will give us details about "sworking" in a future issue.

Mac Holroyde's interests are the Beavers, badminton, public speaking and giving advice to Brian Roberts. Brian announced that his interests were "sports and stuff" and Mac advised "I wouldn't go any further with the 'stuff.'"

We caught Ray Hoemsen standing near the bar. He said he was involved in a part-time master's program, likes rugby and we learned he is excellent at spelling.

John Tuck plays squash, his hobbies are not drinking and he has time for committee work. Ed Kuffel said that "ever since I arrived I've been too busy for hobbies." He found it very cold this winter, compared to Windsor, which he explained is on the same latitude as San Francisco and as far south as one may go in Canada.

President Richard Johnson said a few words of welcome and asked all those present to give their names and places of employment, which is a good way of breaking the ice and letting everyone know who works for a distillery. Councillors Isaak, Klassen, Lewis and Gilliland mixed amiably with the new members and tried to look wise, as usual, with varying degrees of success. Barry Rowley and George Pratt kept things running smoothly, also as usual, and Committee Chairmen Paul Lowe, Roger Kane

and Jim Hunter made notes about the new crop of potential committee personnel. The girls in the office were on hand to greet K.S. Kidd, the first member to come up with the charming idea of filing a box of chocolates with his application form. — S.J.A.



A nature study side trip at the golf tournament

Westward Go Young Man

As reported in the April 1979 issue, Honorary Life Member J.L. Charles has written a book called "Westward Go Young Man," covering his engineering work in places as remote as Canada's northland, Zambia and Brazil. The book is well illustrated and extremely interesting. Will any members who would like to order a copy, please contact the Association office.

No Longer Members

The following have resigned their memberships effective June 30, 1979, in compliance with by-law 33: D.P. Smith, M. Hamid, E. Nabe, J. Aitkens, L. Manchur, K.B. Salmon, K.D. Anderson, C.K. Andres.

The following were removed from membership on July 1st, 1979, in accordance with the provisions of by-law 32 (2): M. Babich, J.C. Bowden, T.T.W. Chan, B. Chandren, L.S. Douglas, F.E. Ellis, J.H. Fenton, H. Gordon, D.S.G. Hanson, J.H. Haring, H.G. Henderson, W. Hwang, K. Iqbal, G.T. Keith, J. Koo, A.D. Margison, D.L. Oliver, D.G. Osman, W.J.S. Poulter, W. Rolland, A.J. Sirkka, R.W. Slater, J.R. Slevinsky, T.K. Stickney, W.J. Strutt, A.U.R. Truderung, D.L. Walker, W.A. Wassef, A. Wexler.

The new "GUIDE FOR THE ENGAGEMENT OF CONSULTING PROFESSIONAL ENGINEERING SERVICES" is now available at the A.P.E.M. office. If you wish a copy, please detach and mail this request to the office.

Name _____

Address _____

Code _____

Additional copies will be available at a price to be determined when costs are known.

Letters

Iron Ring

The Editor
Dear Sir,

When is an engineer not the same as a Professional Engineer? According to the Brotherhood of Firemen and Railway Engineers when he/she drives a train; or by the Power Engineers when he/she fires a boiler; and according to our A.P.E.M. Council when he/she wears an iron ring. Thus saith the motion passed by Council at its April meeting.

So who is privileged to wear the ring? Students who complete four years, plus or minus a few courses, at some school recognized by the 7-wardens. Whether they complete the program or not does not seem to be significant. To quote the Senior Supervising Warden "the ring" does not confirm academic achievement. Professional Engineers wear "the ring." Engineers or whomsoever who are not registered also wear the ring, even though it is a violation of the laws of Manitoba to practise engineering without being registered. A minor point perhaps. And also "persons of merit" as judged by the 7-wardens may also wear "the ring." A sort of first-step to recognition as a Professional Engineer by a group of peers accountable only to themselves.

The Ritual of the Calling of an Engineer was introduced in 1925 by 7 Past Presidents of the EIC. It was incorporated at the time to preserve the "ancient landmarks" of the profession from future innovations. The emergence of the Wardens as an autonomous group with no accountability to anyone was an unfortunate consequence of the incorporation. A brief history of the Ritual published in 1950

refers to "the engineer" throughout and it requires considerable innovative thought to suggest that anyone not academically qualified for registration was intended to be invited to the Ritual. Obviously the 7-wardens in Manitoba and A.P.E.M. Council disagree. I wonder how many Council members read the history before casting their vote. But then again, how could they? It is marked "Confidential" and numbered, to assure that only the self-perpetuating wardens shall be informed.

Hardly a sound criteria for the symbol of our profession, recognized world-wide, as it faces the vigorous challenges in the decade of the '80's.

E.F. Glass, P. Eng.

Nuclear Concern

Dear Sir:

The article "Nuclear Accidents" in your June issue is a welcome and timely attempt to put the 3-Mile Island accident into perspective on the basis of available information at that time. I am concerned, however, that the last paragraph may give an erroneous impression of what mitigated the effects of the accident. I do not wish in any way to minimize the value of Emergency Measures Organizations, but there is no evidence that the local EMO made any significant contribution because it was not required. Except for the release of a small amount of radioactivity mentioned in the article, the effects of the accident were mitigated and contained by the station emergency systems and the actions of the station operating staff with assistance and advice from the station designers and the Nuclear Regulatory Commission.

The only tragic aspects of this incident are financial. A U.S. Federal in-

teragency task force consisting of members from the Nuclear Regulatory Commission, the Department of Health, Education and Welfare, and the Environmental Protection Agency, concluded that no significant adverse, health effects are expected.

Yours truly,
A.J. Summach, P. Eng.

Trash

Editor,
Dear Sir:

I was encouraged to see the insertion of some relevant material in the form of G.A. De Pauw's letters, which appeared to elevate the meaningful content of the June Bulletin above the usual trivial trash to which we are accustomed.

But, true to form the Bulletin was not to achieve greatness in June. The Income Tax Quiz was inflicted upon us and quickly brought us to our senses.

This said, I am sure you wonder about the point of my letter. Rather than suggest radical editorial policy change for the Bulletin, I wish only to ensure an adequate supply of irrelevant trash for the August issue.

Yours truly,
L. Frovich, P. Eng.

Bon Voyage, Frank

Roger Kane, P. Eng.
Editor

Dear Mr. Kane:

I am resigning from my position with the Bulletin Committee as we are moving to Edmonton in the end of July.

I have enjoyed working with you and other members of the Bulletin Committee. The experience is a rewarding one. Not only have I improved my writing skills, but I have

also learned how not to fall asleep during council meetings and not to smoke when John is around.

Good luck on your recruiting campaign and keep up the good work.

Sincerely,
Frank Chan, P. Eng.

Alumni Views

The Editor:
Dear Sir:

Would you please publish the attached article in the next issue of the APEM Bulletin.

The University of Manitoba Engineers' Alumni Association Executive would like to keep the alumni informed of our activities related to this current problem which is facing our Engineering Faculty.

Thank you for your attention to this request.

Yours truly,
C.H. Howard, P. Eng.

President
University of Manitoba Engineers'
Alumni Association

The University of Manitoba Engineers' Alumni Association on the accreditation problem for the Faculty of Engineering

The University of Manitoba Engineers' Alumni Association Executive has been actively working toward obtaining a more equitable portion of the University of Manitoba budget for the Faculty of Engineering. The Engineers' Alumni Association Executive (EAAE) feel that this matter is pressing because the normal accreditation period of five years was not

granted when the engineering programs were last reviewed.

The Canadian Accreditation Board team filed its last report on the Faculty of Engineering in November, 1977 and accredited most of the disciplines for a three year period. This report along with similar reports dating back to 1970 identified serious underfunding of the faculty as the major reason for the limited accreditation. The EAAE has been devoting considerable energy toward trying to convince the university administration to seriously accept the concerns identified in the CAB report and make budget allocations which would alleviate the problems.

Briefly:

1. We wrote to Dr. Ralph Campbell, President, University of Manitoba, on February 22, 1979. The letter outlined our concerns related to the serious underfunding of the faculty.
2. We received a reply from Dr. Campbell and followed up with a meeting on March 23, 1979 to discuss this matter.
The meeting included University of Manitoba Administration representatives, student representatives of Engineering, the President of the Association of Professional Engineers, and the Engineers' Alumni Association Executive.
3. Following further study of the aforementioned problem, a second letter was sent to Dr. Campbell on June 14, 1979. Because we felt that our information was incomplete, the EAAE requested that an independent body assess and report on the budget allocation methods at the University of Manitoba.
4. The EAAE received a response from Dr. Campbell, however, our

suggestion for an independent review of the University's budget allocation methods was not responded to.

5. The EAAE wrote to the Honourable Sterling Lyon, Chairman, Economic Development Committee of Cabinet, on June 25, 1979 requesting that, "... the Manitoba Government publicly investigate the methods used and practises followed by the University of Manitoba Administration in allocating its budget monies to the various faculties."

We have been assured that a reply to our request is being prepared.

6. On July 19 and 20, 1979, the EAAE contacted the Canadian Manufacturing Association and the Winnipeg Chamber of Commerce.

We solicited the support of these organizations and asked that they help us maintain a strong and fully accredited Faculty of Engineering at the University of Manitoba.

This report was prepared to inform the University of Manitoba Engineering Alumni and the industrial and economic community of Manitoba at large of the University of Manitoba Engineers' Alumni Association Executive's activities related to the "serious underfunding" and possible loss of accreditation of the Faculty of Engineering at the University of Manitoba.

De Facto Chairman Comments

The Editor:
Dear Sir:

No doubt the Special Meeting of the Association on June 26, called by the

"Grass Roots Group" and the resolution adopted by a large majority of the membership present at that meeting will be reported and commented upon elsewhere in this issue.

As the originator and "de facto" chairman of the Grass Roots Group up to now, I would like to add a few personal comments, written in a hotel room in Montreal on the first day of my new employment in this city which will make it clear that I am not speaking in my personal interest.

1) The most astonishing and alarming fact about the initiative of the Grass-Roots Group is that it was at all necessary — necessary to overcome resistance against personal initiative and involvement outside the traditional area of home and job and, equally important, inherent trust in the infallibility of public institutions such as University Administration and the Council of the APEM.

Speaking for myself, it was only due to a long series of unrelated events which brought me to the point when finally my "involvement threshold" had been surpassed and I started to phone a few people, arrange a few meetings, finding to my great relief and satisfaction that a very large majority of those contacted had views similar to mine.

This leads me to conclude that we Professional Engineers should consciously strive to lower our resistance against involvement in issues where we have strong personal views, within the engineering profession and outside, to improve the "tuning" of our institutions and to avoid domination by semi-professional committee men and bureaucrats.

The need for the Grass Roots Group to articulate the will of membership also indicated that the estab-

lished lines of communications between Faculty, APEM and membership simply did not function — a change of people and style in the relevant groups in the APEM is clearly indicated.

2) Let us also note that those opposed to the "Grass-Roots Resolution" as adopted and amended by the Special Meeting are as powerful and determined as ever.

All those who believe in the need for a strong and hence, well funded, Engineering Faculty or Polytechnic in Manitoba expect no doubt that the effort by the "Grass Roots Group" which has been started will succeed without further undue delay. This will still require a strong and persistent effort by the APEM, which soon will be under the leadership of a new President. Unless this new President is committed to the intent of our resolution as his prime goal and not to the previous positions taken by Council, the APEM effort may be half-hearted and hence unsuccessful. Thus I suggest the Grass Roots Group should continue its work and nominate a candidate for Council and expressively also for the Presidency of APEM. This candidate, in my opinion, should be a member of the Grass Roots Group and preferably without previous experience on Council. This would leave him free to bring a fresh approach to bear against sustained opposition within and without the APEM.

Peter G. Malburg, P. Eng.

Marathon Runners

Councillor John Lewis, with over 100 sponsors, participated in the Manitoba Marathon. He not only participated, he completed the 26 mile course. This in spite of words of dis-

couragement hurled his way at the 25 mile point. Ray Scouten had stationed himself at this juncture to try to discourage those he had sponsored and thus save himself at least one mile's sponsorship. John's invoice to his sponsors shows a young lady chasing after a male runner, which may account for John's finishing effort. Or perhaps vice versa. John's invoice concludes: "These marathon runs are more a matter of taste rather than habit. I am glad it is over. Thanks for your encouragement. Don't let anyone steal your dream." We have mailed our cheque and now offer our sincere congratulations to John. We thought the work of Council left all Councillors exhausted.

Councillor Edd Klassen, who did not have as keen a press agent as Councillor Lewis, nonetheless joined son Phil and crossed the finish line well before John.

Bill McDonald and Roy Houston also finished the route. Glenn Morris proved he doesn't live entirely in an ivory tower. Glenn said it was very exhilarating to be one of the five thousand at the starting gate. He had gone no more than 14-15 miles before Marathon Day, but encouraged by the crowd and with his legs on automatic pilot for the last several miles, Glenn finished the distance in just over four hours — a splendid achievement.

We were not able to recognize all the starters and fewer of the limp finishers, so we may have missed a few of you in our report. If this is the case, we offer our congratulations. When you catch your breath please phone us and give us your name — and any pictures.

Roped In

The people who are responsible for the publishing of this newsletter pos-

sess a beautifully unique and patented method by which to prod young, unsuspecting new members off of their butts and into the thick of A.P.E.M.

Step one of their method involves surrounding the new member with one or two of that person's former classmates (who are also in for quite a surprise!). Fraternization and general cordiality are encouraged. Simultaneous to this step is a second assault on the neophyte. Naiveté is the password of the day as beverages of all types and of unlimited quantities pass down the members' throats.

The third step is subtle enough, that of getting one's picture taken for the next edition of the Bulletin (Boy, will that photo take some explanation to the wife!!).

The final step in the "artful dodge" involves the most lovely and charming grey-haired lady dropping by on the pretense of conducting a "spelling bee." The "bee" is given at a quick pace, in good spirits, resulting in the members' minds shifting into high gear. Suddenly, the assault of the "bee" ends, as quickly as it had begun. The next question is "Would you sit on the Bulletin Committee?"

Before you know what has happened, there you sit! — L.G.S.

Licences Issued

G.T.C. Chan (Ont.), D.S. Evans (Alta.), L.R. Lahti (Ont.), W.E. Large, (Ont.), O.A. Marzouk (Ont.), J.L. Seychuk (Ont.), Z.L. Szeliski (Que.) W.D. Adams (Ont.), J.R. Beck (Ont.), E.H. Brennan (Alta.), M. Bubak (Ont.), E.J. Gilbert (Que., Ont.), R.J. Hopkins (Ont.), E.C. McRoberts (Alta.), G.E. Selme (Alta.), D.L. Sutter (U.S.A.), A.K. Tavukciyan (Que.)

Coming Events

The XXII ICES Users Group International Conference will be held October 1-3, 1979, in Montreal. For further information contact Dr. S. Shrivastava at McGill University.

A two-day seminar on Storage and Flow of Solids will be held at the Bayshore Hotel in Vancouver on October 22-23. For further information write to 260 Lesmill Road, Don Mills, Ont.



Ross Adamson wins pie eating contest at golf tournament.

Council Motions July 23 University Funding

President Johnson advised members of Council that he and Paul Lowe (Chairman of the University Liaison Committee) had met recently with Dean E. Kuffel, as requested by Council, to discuss Association support and to consider obtaining further clarification of the C.A.B. report.

It was **MOVED** by Mr. Saltzberg

and **SECONDED** by Mr. Jardine that a letter be sent from Council to the Chairman of the Board of Governors:

1. advising him of the Special Meeting of June 26, 1979, one of the best attended APEM meetings, and attaching to the letter a copy of the principal resolutions which were carried by a large majority of the members present;
2. indicating to him the strong concern of the APEM Council regarding the budgeting requirements of the University of Manitoba Faculty of Engineering necessary to meet both its immediate needs to retain accreditation and its future needs to enable the building of a high quality faculty;
3. providing him with a copy of President Johnson's March 13, 1979 letter to all members advising of the activities and conclusions of Council and the University Liaison Committee on the subject to that date;
4. reiterating that Council is willing to assist in whatever way necessary, including fund raising, to meet the needs of the Faculty;
5. requesting the Chairman to advise the Board of Governors that Council is urging Dean Kuffel to convene, as soon as possible, a working meeting with the appropriate representative(s) of the Canadian Accreditation Board, officers of the University of Manitoba, and representatives of the APEM to discuss what "budget increase" is necessary. (The APEM is willing to cover costs associated with the C.A.B. representative(s));
6. urging the Board of Governors, in their review (that Council understands is being proposed to them), to consult with independent experts in order to determine whether or not the "required budget increase" can be "made available to the Faculty of Engineering

within the existing University funding";

7. requesting that Council representatives be invited to meet with the review committee mentioned in (6) to present the Association's concerns.

CARRIED UNANIMOUSLY

It was MOVED by Mr. Lewis and SECONDED by Mr. Jardine that Council urge Dean Kuffel to convene, as soon as possible, a working meeting with appropriate representative(s) of the Canadian Accreditation Board, officers of the University of Manitoba, and representatives of the APEM to discuss what "budget increase" is necessary. (The APEM is willing to cover costs associated with the C.A.B. representative(s)).

CARRIED

It was MOVED by Mr. Saltzberg and SECONDED by Mr. Lewis that the University Liaison Committee be requested to comment, to the best of its ability, on the data prepared by Dr. G. Swift (Appendix J) and to prepare a summary case indicating the benefits to the area of a strong Engineering Faculty.

CARRIED

It was agreed that the "long term strategy of support to the Faculty of Engineering" should appear on the September or October Council agenda and that Dean Kuffel be invited to the meeting and advised that he may bring others of his choice.

Council Meeting of July 23, 1979

Seven members of Council were in attendance when the July meeting started shortly after 3:30 p.m. Following a review of the amended agenda the

minutes of the June 11th, 1979, meeting were approved.

Because of George Spencer's imminent resignation from Council, Rudy Isaak was named as the contact person for the Association in any review of legislation affecting Incorporation of professional firms in Manitoba. John Lewis led a brief discussion on a confidentiality policy for Council. Both pros and cons of the issue were discussed. John was directed to pursue the matter still further after stating "As usual, I stand boldly on both sides of the fence."

At this time the meeting was interrupted by the entrance of the Association Office staff to present George Spencer with a gift. The gift turned out to be a "cutting tool" with the wish that he use this tool to improve on his previous bad attempts in cutting a cake at an Association do. The girls brought in a cake and George succeeded in cutting it into seventeen unequal parts.

After accounts, and a number of licences, transfers, etc., were approved, Council discussed the imminent resignation of A.G. Spencer to become effective August 1st, 1979. Council accepted the resignation of George with regrets and thanked him for his work on behalf of the Association. It was decided that no temporary replacement on Council for George would take effect at this time pending the next annual meeting. Walter Saltzberg was elected, by secret ballot, as Vice-President of Council to assume the office on August 1st, 1979. Once fired up with the election spirit Council proceeded to elect Rudy Isaak as the fourth man on the Executive Committee.

Andy Gilliland next gave some C.C.P.E. News. For those interested, please contact the Association office for same.

The special meeting of June 26th, 1979, of the Association of Professional Engineers of Manitoba concerning funding of the University of Manitoba Engineering Faculty was discussed. Council debated various approaches that appear appropriate at this time to the funding problem of the Engineering Faculty. In summary the steps to be taken by Council appear to be positive, and this reporter was requested to exercise discretion in reporting on the matter pending finalization of the plan of actions that shall be taken by Council. The actions and responses to said actions should be published in subsequent issues of the Bulletin.

The final matter on the agenda was a need to review the names recommended by the selection committee of the University of Manitoba for award of the Association of Professional Engineers of Manitoba Scholarships for the 1979-1980 scholastic year. Council approved the award of \$400 to David Charles Dechka, Eng. IIC. (G.P.A. -4.00) There was, however, a dilemma for award of the First Year Student Award. It seemed that both Gregory Bridges and Robert James Fry from Engineering I obtained a grade point average of 4.00. The unusual aspect of this tie is that both these young students attained A+'s in all their courses during the first year. Council approved that additional funds be set aside this year, in order to ensure that Gregory and Robert each receive a full \$400 scholarship. Congratulations, gentlemen!

The meeting was adjourned at the late hour of 10:30 p.m. B.V.H.

The good man prolongs his life; to be able to enjoy one's past life is to live twice. — Martial.

Use Your Seal!

The Practice and Ethics Committee has recommended that members should be reminded that the Act requires each Professional Engineer to seal estimates, specifications, reports, working drawings, plans and other documents issuing from his/her hand, and further that the Code of Ethics requires that the member use his seal on work that his training, ability and experience render him professionally competent to undertake. A member may seal drawings in a discipline that does not correspond with his/her degree, provided that he/she does not contravene the Code of Ethics regarding competence in this regard.

Premier's Award for Design Excellence — 1980

Although the "Notice of Intent/Application Form" listed only Transportation, Environmental, Industrial and Geotechnical as categories under Engineering Design it was not the intent to limit entries to these categories. All fields of engineering design are open to this competition and your Association and the Manitoba Design Institute encourage entries from as many Manitoba registered professional engineers as possible.

The deadline for notice of intent to enter is September 30, 1979. Application forms are available from the Association office.

Contemporary Laws

By A Clubbed Reporter

Third Law of Professional Immobility

"You are not drunk if you can lie on the floor without holding on."

Third Law of Association

"Almost anything is easier to get into than out of."

Third Law of Environmental Impact Assessments

"A bird in the hand is dead"

Third Law of Professional Engineering

"It is safer to confuse the issue with mathematics than discuss policy"

Fourth Law of Professional Engineers

"Protect the public be damned Gimme the power"

Stages of a Project

At the June 11, 1979, meeting of Council, Ken Jardine, in reporting on the status of the Ad Hoc Committee on the Code of Ethics, stated that the review of the whole Code of Ethics used the following format:

Stages of a Project

1. Exultation
2. Confusion
3. Disillusionment
4. Search for the guilty
5. Punishment of the innocent
6. Distinction for the uninvolved

The Committee is past Step 3 and looking around for volunteers for Step 4. B.V.H.

Call for nominations The L.S. Lauchland Engineering Alumni Medal

Nominations will be received until September 15, 1979 for this year's recipient of the L.S. Lauchland Engineering Alumni Medal. Graduates of Engineering Science from The University of Western Ontario are eligible

to be nominated on the basis of outstanding contributions to the Engineering profession.

Nominations should be sent to: Edward M. Aziz, P. Eng., Chairman c/o Department of Alumni Affairs The University of Western Ontario London, Ontario N6A 5B9

Prohibitions

Council has asked that Section 28 of the Engineering Profession Act be regularly brought to the attention of members.

28. Save as in this Act otherwise provided, no person shall
- (a) engage in the practice of professional engineering; or
 - (b) assume verbally or otherwise the title "Professional Engineer", or any abbreviation thereof, or any name, title, designation, or descriptive term, that may lead any other person to believe that he is a Professional Engineer or entitled to engage in the practice of professional engineering; or
 - (c) act in such a manner as to lead to the belief that he is authorized to fulfill the office of, or to act as, a professional engineer, or
 - (d) advertise; list, display, or use, at any time or in any manner, or permit to be used, at any time or in any manner in connection with his name, any name, title, designation, or descriptive term, implying, or calculated to lead any other person to infer, that he is registered under this Act or entitled to engage in the practice of professional engineering unless he is registered under the Act and is a member of the association or is the holder of a subsisting licence granted under this Act.

It's Been Said Before

Those men are most apt to be obsequious and conciliating abroad, who are under the discipline of shrews at home. — Washington Irving.

It is indeed a desirable thing to be well descended, but the glory belongs to our ancestors. — Plutarch.

All hell broke loose. — Milton

The quarrels of lovers are the renewal of love. — Terence. (185-159 B.C.)

I took to my heels as fast as I could — Ibid.

Women like not only to conquer, but to be conquered. — Thackeray. (not on Germaine Greer's approved list of reading.)

Remember, it's as easy to marry a rich woman as a poor woman. — Ibid.

I was born below par to the extent of two whiskies. — Montague.

Nothing is so firmly believed as what we least know. — Montaigne.

Employment of Engineers

Section 19 of the Engineering Profession Act reads as follows:

Employment of engineers.

19 Except as herein otherwise provided, no person shall knowingly employ as a Professional Engineer, or for

any work that requires the service 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.

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.

Annual Fees

Section 16 of the Engineering Profession Act reads as follows:

Annual fees.

16 Each person who is registered or licensed to practise under this Act shall pay in advance to the secretary, or any person deputed by the council to receive it, such annual fee as may be determined by the by-laws of the association; and the fee is a debt due by the member to the association, and is recoverable in any court of competent jurisdiction.

Moving ?

If you are changing your address or your employment please tear out this form, complete it and mail it to the office, 710-177 Lombard Avenue, Winnipeg R3P 0W9.

Name
(please print)

New address

Change in occupation



Golf form



Happy golfers



What the well-dressed golfer from Carman looks like.



Jerry Kruk trying to decide whether he will head for the parking lot or continue with the golf game.

A.P.E.M. GOLF TOURNAMENT

