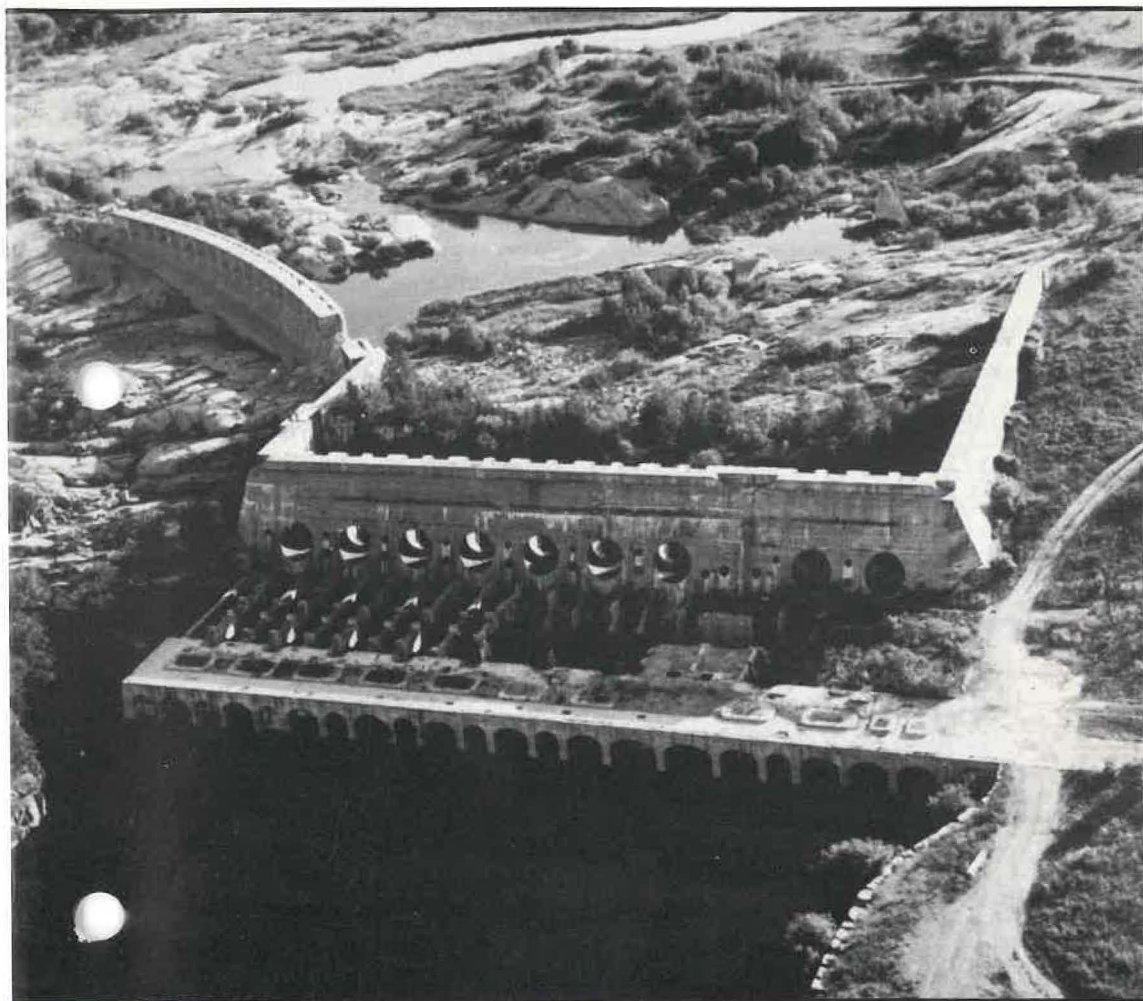


The Manitoba Professional Engineer

April

# *bulletin* 85

## **Remembering . . . .**



***“Old Pinawa”***  
***—an engineering monument.***  
Cover story page 16

The Manitoba Professional Engineer  
**bulletin 85**

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*Opinions expressed are not  
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## **Editorial**

### **To Blow Or Not To Blow. . .**

If you were riding in an automobile with an acquaintance and you noted that he was exceeding the speed limit (i.e. breaking the law), would you report him to the police? Almost undoubtedly not. If you became aware that a neighbour was beating Revenue Canada by not reporting some of his income (i.e. breaking the law), would you phone the income tax office about it? Probably not. In our society most people feel there is something wrong with blowing the whistle on others. There is a wide-spread perception that this sort of thing is bad, even reprehensible. Very seldom is the whistle blower looked on with favour, even if he is acting in the overall interest.

Now let's take this a little further. If you, as an employee, were to become aware that your employer, or a superior or a colleague was breaking the law would you report it? A difficult decision. The main trouble is that blowing the whistle might very well put the blower at risk. If a superior or employer is involved, such action could lead to dismissal, to blackballing or to some other equally undesirable consequence. Because of this, various governments in Canada and the U.S.A. have passed or are considering passing "whistle blower" laws to protect the blower against unjust reprisal.

Let's consider how this might apply to engineers. Engineers can be faced with this sort of decision in connection with other engineers and with non-engineers (i.e. members of the general public). The

*(continued on page 8)*

# President's Message

## Impressions.....

By Roger A. Kane, P.Eng.

**T**here's an old story about an old man who, in the process of hiring a young man, asked him to take a bundle of twigs and break the bundle. The young man was unable to do so. Then the old man told him to break the twigs one at a time. They broke easily. The moral of this old tale is well known and it can be applied to our every-day problems; Instead of trying to solve a difficult problem all at once, we must break it down into small segments and attack each one separately. Ultimately, we will solve the whole problem.

I often find, in Council, that we try to solve some of our more difficult problems all at once. For instance, we try to write all encompassing rules covering registration, or discipline, or ethics and so forth, which cover every aspect of the particular matter. We then find that we make very little progress in solving the overall problem.

It may seem somewhat unfair, but in order to make the point, I am going to refer to the activities of one particular committee; the Professional Development Committee. This committee is dealing with the problem of how best to assist our members in their efforts to keep abreast of current technical developments in their own particular field. This is a necessary activity for all engineers if they are to maintain continuing competence. The committee's problem is that it must deal with a vast range of specializations in engineering work and enormous quantities of information relating to them. The committee must decide how to deal with what appears to be an almost insurmountable problem.

After their last meeting, in a discussion with the chairman of the committee, he asked the question, "Are we getting anywhere?" The fact is that progress is being made. This committee has taken their problem, ►

broken it into segments and assigned a small group to deal with each segment. They are not trying to break their bundle of twigs all at once. This Committee does more work than most in our Association. They meet more often than any I know of, with the possible exception of the Bulletin Committee. This committee is the only one that regularly submits articles to the Bulletin for the purpose of advising the membership on their activities and disseminating pertinent information. The predicament that this committee had in dealing with its large problem is very much a reflection of our Association's predicament in its constant struggle with some of its larger problems.

Many people, both within the Association and outside of it, are very critical of A.P.E.M. and its sister associations. Misinformed naysayers have a perception that we are a self-serving organization trying to promote ourselves as a sort of elitist group. Another criticism that comes from within our Association is 180 degrees away. I have heard such statements as "A.P.E.M. does not seem to care about the rank and file engineer" and "protecting the public is a misplaced priority". People within the Association and outside of it should realize that a professional is a unique type of person in that he accepts responsibility for his own work. This is the essence of professionalism — that professionals accept responsibility.

Our Association, from time to time, takes action against those who do not perform professional engineering work competently. Action can be taken against one of our own members or against a non-member purporting to be a professional engineer. Depending on whose ox is being gored, we can then be

criticized from within our Association or by outsiders. It would be inappropriate for me to try to convey the impression that we are perfect. Our membership is made up of human beings who are prone to human error. We are, however, professionals. As such, we are willing to accept the risk of allowing our work to stand and be judged and to accept the consequences from either a professional standpoint or from a legal standpoint.

The position of A.P.E.M. is an evolutionary one. And, like the work of the Professional Development Committee, it may seem at times that we are not getting the job done. But progress is being made and I feel that this progress enhances the image of our Association. In addition to the Professional Development Committee, there are other committees that are active. One committee is rewriting the rules for admission. In May of this year another committee will have new terms of reference for a Safety In Engineering Practice Committee. This committee will deal with safety problems that affect the safety of the public plus other day-to-day matters that will help further our general thrust.

The upshot of this whole matter is that there are many tasks that need our attention. A.P.E.M. needs your assistance and your input to help solve the problems as well as identify them.

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## **Awards**

Nominations for the Merit Award, the Outstanding Service Award and Honorary Life Membership may be submitted to the Awards Committee. For further information regarding terms of reference etc., please contact the Association office.

# Council Meeting

## 11 February 1985

By J. W. Bogan, P.Eng.

**P**resident Roger Kane presided over the Council meeting with six members present. The minutes of the January 14 Council Meeting, ten licences, four engineering graduates, five transfers, seven registrations, one reinstatement and the Association's January accounts were quickly reviewed and approved. A March 14 date was suggested for a trip to Brandon by Council. Members from the surrounding communities will be encouraged to attend.

Council then reviewed a proposal to send an observer to the upcoming Canadian Accreditation Board appeal hearing regarding accrediting the Computer Engineering and Industrial Engineer programs at the University of Manitoba. Council felt that little benefit could be derived from someone attending and voted not to send an observer.

The next item concerned the article printed in the November 13, 1984 issue of the Dauphin Herald where it was stated that the Rural Municipality of Dauphin was constructing a bridge across the Valley River without retaining the services of a Professional Engineer to supervise design and construction. A letter has been received from the R. M. of Dauphin advising that it was not aware of the Engineering Professional Act which requires a Profes-

sional Engineer to be responsible for such designs and that it will use the services of a Professional Engineer in all future construction projects. Council was divided on this issue. Some Council members felt that the Association should proceed with legal action against those who assumed responsibility for designing the bridge. Other members felt that rural municipalities should be advised that they must conform to the Act and retain the services of a Professional Engineer in all municipal projects. Council voted in favour of the latter and will request the executive committee to prepare a brief on the subject; Councillor De Pauw abstained from voting on the issue.

The meeting then recessed a short time for supper.

The next item on the agenda regarded the continuing coverage of staff members by Workers Compensation and was referred to the Executive Committee. Next, it was decided that the Association would not approve sponsoring a Job Search Seminar proposed by the Technical Services Council of Winnipeg for 1985 Engineering graduates because of the cost and the availability of similar services locally.

A motion was passed to receive information concerning the design

of medical gas piping systems. Next, it was decided that two proposed changes to the Engineering Profession Act discussed in the January 12, 1985, letter received from C. R. Bouskill, P.Eng., had already been acted upon and the remaining items were not deemed urgent. The Practice and Ethics Committee's proposed new terms of reference were accepted. The Association's second quarter financial statement was reviewed and approved. R. A. Johnson, P.Eng., will be asked to appear before the next

Council meeting to discuss the Report from the Ad Hoc Committee on Registration Procedures for the Mentor Program.

Council then selected a gift to be presented for the ladies' program at the C.C.P.E. Meeting in May, 1985. A revised "Reference for Registration" form and a letter from C. R. Bouskill, P.Eng., regarding Admission Review Board terms of reference were referred to the Admissions Review Board.

This ended the Agenda for the Council meeting.

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## **11 March 1985**

*By K. J. Hearson, P.Eng.*

**T**he business at hand began at 2:20 p.m., the early commencement due to a preceding meeting. President Roger Kane initiated a fifteen-point agenda, amended to include discussion of the Association of Consulting Engineers of Canada Annual Meeting.

Agenda items including licences, engineering graduates, transfers, registrations, reinstatements, and accounts were examined and approved with the usual proficiency.

The minutes of the Executive Committee meeting of March 5, were presented for the information of Council members.

Registrar Mackenzie reported that all arrangements for the meeting in Brandon of Association members on March 14 had been finalized; seven members of Council and Mr. Mackenzie indicated their intentions to attend the meeting. A good attendance of Brandon area engineers was expected.

The next point on the agenda dealt with the design of a bridge

over the Valley River in the Rural Municipality of Dauphin, which had been discussed at two preceding Council meetings. The bridge was not designed by a registered professional engineer. Discussion centred around what action had been and should be taken by Council. Actions previously taken or in the process of being taken include:

- a) the inclusion of a short article in the March issue of the "Municipal Informat", a bi-monthly publication published by the Government of Manitoba Department of Municipal Affairs and distributed to all elected municipal officials in Manitoba. The article stresses that it is a violation of the law for anyone other than a professional engineer to design such structures as bridges.
- b) Mr. Mackenzie is in the process of writing to appropriate deputy ministers to underline the same basic concerns.
- c) Mr. Mackenzie has approach-

ed the Minister of Municipal Affairs to set up a meeting to be attended by President Kane to discuss the Association's concerns regarding this issue.

Lengthy discussion ensued as to what additional actions should be taken. It was learned that the Attorney General's office would not initiate legal action based on a violation of Bill 79, the Engineering Profession Act. If legal action is deemed necessary it would be the responsibility of the Association. The views of the Association's legal council were then presented for Council members' consideration. The following further course of action was subsequently approved by Council.

- a) a letter be sent to the Rural Municipal of Dauphin indicating that legal action would not be taken at this time. The correspondence will note the swift and favourable response of the R.M. of Dauphin to the situation, and the intention of the R.M. of Dauphin to engage professional engineers in the future.
- b) Council will pursue the unfavourable response of the Attorney General's Office to this situation. Mr. Mackenzie was left to arrange an appropriate forum for the Council to voice their concerns.

The next point on the agenda dealt with the increasing use of PVC jacketed cables, and the associated dangers these cables exhibit when used in grouped configurations. The matter was referred to the Safety Committee, which will be formed by May of this year.

Mr. Mackenzie then reported on the status of the roster data. As no

further responses were anticipated, the data is being entered into the memory typewriter. Using only permanent staff, the roster should be ready for printing in September. Additional expense would be incurred in producing it earlier; Council decided that the matter be left to the Registrar to produce the roster as expeditiously and economically as possible.

A report by the Ad Hoc Committee on Registration Procedures was then presented for Council's consideration. The report dealt with the interpretation of the Engineering Profession Act as it relates to the Mentor program. Specifically, Council was asked to determine if the terms "the practice of engineering" in Clause 28.1(1) and "experience in engineering work" in Clauses 15(a)(i) and 15(a)(ii) are or are not similar in meaning. The decision of Council was required by the Committee on Registration Procedures in order to complete their mandate. Council passed a motion that the two terms were not identical; the Committee will respond accordingly and complete their formal recommendations.

The final point on the agenda dealt with the upcoming Association of Consulting Engineers of Canada Annual Meeting, to be held in Winnipeg, June 2nd-4th. It was agreed that President Kane should make an exploratory phone call to the President of the A.C.E.C. to ask what involvement or contribution might be appropriate.

The meeting was adjourned at 5:05 p.m.

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**ANNUAL GENERAL  
MEETING  
OCTOBER 18, 1985**

**EDITORIAL** (continued from page 2)

decision is particularly difficult if a superior, who is an engineer, is involved. The Engineering Profession Act was put into place to protect the public from bad or unsafe engineering. This continues to be the major mandate of our Association. Every member should be aware that his first duty as an engineer is to implement this in his own work. But it is also his duty to call attention to unsafe engineering practice by others — engineers or non-engineers. If he perceives the transgression to be a minor one an engineer might warn the engineer involved or take no other action. Or, in the case of the general public, he might decide nothing could come of blowing the whistle. Certainly, however, if the transgression is a major one, he should bite the bullet and blow the whistle!

The Code of Ethics is involved. Every member of this Association has sworn to abide by the rules laid down in this Code. One of the rules requires that a professional engineer blow the whistle if he "considers that a professional colleague

is engaging in unethical, illegal or unfair practice". Although the Code of Ethics does not specifically state that a professional engineer must blow the whistle on non-engineers this is, nevertheless, implicit in that he is required to "regard the physical and economic well-being of the public as his first responsibility....".

To blow or not to blow? We all hope we don't have to make this decision. One way out is to decide to let someone else do the dirty work and then indulge in rationalizing the matter to ease one's own conscience. This is a cop-out. If any one of us is aware of a situation where engineering practice is involved and the public safety is or may be in peril, action must be taken. The whistle must be blown. Not to do so is a dereliction of civic duty, a breach of the Code of Ethics and makes the non-blower as culpable as the offender. A word of warning; if you are going to blow the whistle on a superior or an employer it would be wise to consult a lawyer before doing so.

—W.B. Mackenzie, P.Eng.

## **SPECIAL COUNCIL MEETING, MARCH 11, 1985**

At a special meeting of Council on March 11, 1985, Council accepted a recommendation of the Practice and Ethics Committee that the outstanding charges against Mr. Bateman be stayed in view of the statement submitted by Mr. Bateman relating to the charges. Copies of the Minutes, including the statement, are available in the Association office.

## **Ted Speers — A Gentleman And A Fine Councillor**

*By John W. Markowsky, P.Eng.*

**T**ed Speers' early years were spent in Brandon in the 1940's. Though times were turbulent, Ted obtained a degree in Arts from Brandon College during this time. The Second World War found Ted actively involved in the war effort. During this period he received his first hands-on engineering experience working at Boeing Aircraft as a production controller and then with West Coast Shipping.

The bite of engineering must have been deep because Ted then chose to take a degree in engineering. His entrepreneurial flair surfaced in this period. While he was completing his degree in chemical engineering at U.B.C., he owned and managed E.A. Speers & Co. Ltd.

Ted's career developed through the next decade in private industry in Vancouver. During this time he obtained a master's degree. He worked with Control Scientific and with Western Copper Mills Ltd., where he advanced quickly in management. During this time, Ted met and married his wife, Jean. They raised a family and Jean helped Ted in his business endeavours.

Ted was drawn back to Manitoba by family roots or maybe because the pastures looked greener. B.C.'s loss was Manitoba's gain when Ted and his new bride moved to Manitoba.

Ted worked for two years as General Manager of Nuclear Enterprises. From 1962 until the present, Ted has been owner and President of several companies including: Edward A. Speers Associates, Inrad Industrial Research and Development

Ltd. and Speers McGonigal Ltd.

During the past 23 years Ted's list of accomplishments in engineering and development has been impressive. A complete list is too lengthy to include here, but two should be noted. One was the development of a porous titania glass having a surface area of 200 M<sup>2</sup> per gram. When placed in water and exposed to sunlight, this product liberates hydrogen from water, leaving oxygen in solution. The second was a remote or hand held hydrogen detector. His other accomplishments range from economical tunnel greenhouses and hydroponic systems to chemical grouting plants and vascular suturing instruments. He has published over 50 papers.

Ted has been an active member of A.P.E.M. since his arrival in Manitoba. He is an active member of many associations and was recently appointed Chairman of the Biomass Energy Institute.

Ted has attempted, throughout his career, to make the engineering profession a productive segment of society. He is a fine example of an engineer succeeding in business. He is concerned with current unemployment and has presented a number of reports to various task forces reviewing this problem.

Along with his career and business achievements, Ted and his wife, Jean, have raised a son and daughter. Son, Chris is currently working at Inrad. Elizabeth is working towards an Honours Degree at Lakehead University.

Ted Speers is a gentleman, a respected engineer, and a member of Council.

# Thompson Area News

By A. D. Murchie, P.Eng.

**W**hereas my last epistle was marked by a dearth of events leading me to the belief that northern engineers were a rare species (of ostrich) unwilling to expose their nature to their peers, I am now aware that this was a simplistic viewpoint reflecting merely a cyclical depression in our total id. A positive swell of material has been discovered this month, the weight of which can only be compared to the outpourings evinced by a modern day sex therapist and presages a healthy future for my reports.

Anticipating the establishment of the Thompson Chapter of A.P.E.M., many now await the reflections of Council on City Engineer Bob Cotterill's leadership in laying out the terms of reference for the group. Meanwhile Bob occupies himself with taking care of a strikebound city and musing on breakthroughs.

Merv Toderian, Inco geologist and Smiley Hallum, Inco supervising civil and construction engineer, participated recently in the Molestar Ski Event at Mystery Mountain Ski Hill and by going with the flow slid further than the proverbial and upheld our code of ethics as upright engineers, viz. no falls encountered. Merv advocates use of Mystery Mountain Ski Resort as a prime complement to future engineering gatherings as it is obviously an ideal place to wax skis and eloquence.

Merv mentioned that Rob Platford, Inco geology, is now an Engineering graduate. (Reporters note: If we're going to bleed what better resource than new blood).

Bill Candline, Inco mechanical engineer, when asked for some in-

put this month, went emotional. The following are some inner thoughts of his.

1. Relief — that the city strike excludes firefighters signifying he will be less likely to be mistaken for a strikebreaker when he travels about in his little red fire truck.
2. More relief — that the new IBM PC-2 in general engineering department offers slipstick in addition to Charlie Chaplin reruns.
3. Despair — that the old engineering adage, "more hurry less speed" was reinforced recently by department of highway jurisdictions when his curling team attempted excesses en route to the Leaf Rapids Bonspiel. Rödger Blunden, Inco maintenance planning engineer, and Don Smal, Inco civil engineer of the same squad, preferred to remain nameless. So much for engineers being reluctant to undertake new ways of reducing provincial debt.
4. Joy — with THEIR decision (fiancee Mary Hall and he) pursuant to entering the realm of holy matrimony this July 31, 1985.

A ham he is, hamstrung he isn't, John Swierstra, Inco process engineer, admits to reinstatement as president of the Thompson Playhouse. John looks forward to heavy community involvement this year in a two day celebration of stage play finds. Wherefore art thou Romeos

(and Juliettes) (deference to the Interpretation Act).

Eager beaver, good scout, you name it, Jack Taylor, Inco pipe open pit superintendent, is currently President of the District Council for scouting and speaks highly of efforts of those in scouting especially in regards to their project of a camp at Liz Lake.

Another engineer who walks on water is Peter Leinberger, T-1 mine engineer. As president of the Twilight Waterskiing Club he has standards to uphold. He got most of his training on the Nickel Days Board of Directors and continues to ply his skills there.

Taking on a hard surface; curling success went to skip, John Fulton, Inco chief engineer, whose foursome including Neil Dust, Inco electrical engineer at 2nd, took the Zone 14 championship in Gillam and went on to respectably represent the zone at the Labatt tankard in Dauphin. Neil was also involved in organizing the annual General Engineering Bonspiel which was an unmitigated success. The Fulton foursome, picked at random, have been runners up the last two years. We hope that coincidence of this luck will not leave them feeling like second class citizens.

Without intention, I neglected to mention certain Inco promotions in my last report: Milton Goble to Manager of Process Technology; Phil Claridge to Superintendent of Maintenance; John Fulton, officially, to Chief Engineer. I certainly hope this belated announcement puts us back on speaking terms.

..... and Malcolm McKenzie, Inco plant engineer finally clawed his way to the top of the Thompson Branch of C.I.M. an unenviable accomplishment in light of the fact that this year

Thompson will be hosting the C.I.M. District IV Annual Meeting.

..... more unenviable accomplishments: following dauntless support of liberal causes, Dr. Ron Orr, Inco smelter process engineer was rewarded last month with the presidency of the Thompson Liberal Association.

..... even worse, it's curtains for Ann Nichols, Inco smelter process engineer. The pet project of the Ladies Executive of the Thompson Golf Club of which she is a part, is seeking funds for new curtains at the clubhouse. It was not curtains for spouse Dave Nichols, Inco geologist who recovered recently from a brief illness.

Personal thanks to Walter Saltzberg for giving subtle support in February's Bulletin to the year Studebaker engineers designed cars looking forwards and backwards, 1948.

A closing moment's silence to conjecture on the line "a professional is a professional" and to seek that which was lost — our distant foreign correspondent, Blake Maxfield. May he eventually be transported back to us.



**Guy Cooper from Arborg, with the ethereal look, and Barry Tinkler from Carman without it, congratulate each other after they took first and second place positions in the A.P.E.M. bonspiel, making it a Highways Department sweep.**

## **Committee Launches Five-Phase Program for Facilitating Professional Development Activity**

*By John Bachmann, P.Eng.*

**H**aving obtained a "snapshot" of the present activity and attitudes towards professional development by means of surveys of the membership and engineering employers as outlined in the last issue of the Bulletin, the Committee now sees its task as being comprised of five major components.

The cataloguing function will include compiling a list of presently available PD activities, devising a procedure for evaluating the effectiveness of PD offerings, and identifying subject areas not adequately addressed by existing programs. This will begin primarily as an information function: selected programs will be highlighted through the Association's Bulletin.

The external monitoring function will study PD activity in other professional associations. This function will also deal with any moves toward the establishment of national PD guidelines, should enough provincial associations feel that this is worth pursuing. Studying the PD experiences of other associations and jurisdictions should shorten the learning curve for our own program.

The administration/database function will investigate existing databases that may contain information about PD activities appropriate to the membership. As well, this area will set up filing procedures for information gathered by the other functions, particularly cataloguing and external monitoring.

The program development function will stress working with appro-

prate agencies such as technical societies and academic institutions to offer PD programs, especially in "gap" areas. In this regard, the Committee has been happy to welcome Professor Guru Bains, Program Co-ordinator for Humanities and Professional Studies of the Continuing Education Division at the University of Manitoba to its meetings. Professor Bains' regular attendance at committee meetings will no doubt foster continued cooperation between the Association and the University in the area of professional development.

Finally, the public relations function will attempt to keep the membership informed about available professional development activities, political environments relevant to the issues of professional development and continuing competence.

If any members of the A.P.E.M. have suggestions regarding professional development topics or activities, they are encouraged to contact the PD Committee by mail through the Association office.

We regret to record the deaths of H. T. Millman, P.Eng., J. E. Zuk, P.Eng. and Mrs. Bettie McDonald (staff, 1982-1985).

# Brandon (West-Man) News

By Dick Menon, P.Eng.

The long awaited trip to Brandon by the Association Executive took place on Thursday, March 14, 1985. A 'get-to-know' supper meeting was held at the Victoria Inn, where the President, Roger Kane, Bill Mackenzie and six councillors met with twenty-seven West-Man area professional engineers.

The evening started with a reception at 6:00 p.m. It was really good to see a large turnout, especially the out-of-town engineers. There were four engineers from Dauphin and one each from Birtle and Minnedosa. Two of our colleagues from Dauphin, Gerry Stary and Art Schellenberg indicated to me a tale of woe which really touched me. These two eligible bachelors have not found Miss Right yet to settle down with. I indicated that I would put their appeal in the Bulletin so that someone reading may be able to help them in their search. Art Schellenberg also misses the golden arches (McDonald's) in Dauphin which reminded me of the time I lived in Thompson and couldn't wait to get to a McDonald's everytime I came down to Winnipeg.

During the reception, I was able to get a little information from most of those present that I could share with the readers of the Bulletin. I think I collected enough material for two or three issues. So if someone doesn't get mentioned in this issue, they can be sure that their turn will come.

The evening went as planned with a roast beef dinner at 7:00 p.m. This was followed by a brief speech by President Roger Kane. Bill Mackenzie followed with a speech on the

purposes behind our Association. The floor was then opened for informal discussion. The discussion began with an innocent question on what lobbying the Association was carrying out to get all engineers, especially in the Federal civil service, to register and seal engineering work. This generated most of the evening's discussion.

Several members felt that the Association should follow up on new graduates to ensure that they register. Councillor Len Bateman talked about the pride in being an engineer and wanting to join the Association. He talked about the pride that is projected at the Iron Ring Ceremony. Councillor De Pauw expressed his opinion, that, perhaps the Iron Ring Ceremony should be held only for engineers after they register with the Association. The general feeling was that the Association should be lobbying all employers of Professional Engineers to ensure that their employees register with the Association as a condition of employment.

Since our guests from Winnipeg were travelling back to Winnipeg and the out-of-town members were travelling back to their respective homes in Dauphin, Birtle and Minnedosa, the discussions were concluded shortly after 9:00 p.m. with a brief recap by Councillor Bob Foster. As a bonus, the evening ended with a short video presentation on an invention by a crazy-mad-scientist and a fellow member by the name of Charlie Hughes. Charlie's idea of a day well spent is playing 24 hours with (and in!!) sewage. His one regret is that he has not in-

vented a device to talk to the sewage bugs as yet. Anyway, Charlie's sewage treatment plant with the upflow clarifier at Souris, Manitoba is something that all Association, not just the West-Man members, can be proud of.

I would like to express, on behalf of all West-Man Engineers, our thanks to our guests from the "Head Office" for taking the time to come and meet with their "branch office" colleagues. I would like to thank all members for coming to the dinner meeting. I understand that Gerry Stary cut short his vacation in Saskatchewan to be at our meeting. He also had a meeting the next day (Friday) to attend. I have to admit that is a real commitment to the Association and work by a Civil Servant. (Being a Civil Servant myself, I have to admit that we don't get the recognition that we deserve).

As a follow up to my last column, I regret to inform, one of my colleagues at The Manitoba Water Services Board found the travel bug too difficult to turn away from. Wayne Slack is now in Kenya on a CIDA — Department of Education assignment for the next two years. We just received a long eight page letter from him describing his transition and the woes of losing luggage in transit — thanks to our own PWA. I am happy to announce that Dave Shwaluk's new addition is a baby girl.

Finally, I would like to thank Don Bertram (Simplot), Bruce Braaten (McKenzie Seeds), Don Solkoski (Hydro) and Sean Kavanagh (Highways) for helping me with calls to fellow West-Man members to attend the meeting. Your help was much appreciated: Thank you!



**Newest staff member Lynne Smith and newest piece of modern equipment get acquainted in the Association office.**

# Upcoming Events...

Mark Your Calendar!!!

May

			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

June

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9	10	11	12	13	14	15	
16	17	18	19	20	21	22	
<sup>23</sup>							
<sub>30</sub>	24	25	26	27	28	29	

MAY 8 & 9 — **Electrical Showcase '85** — Winnipeg Convention Centre. Sponsored by: Electric Service League of Manitoba, 14-395 Berry Street, Winnipeg, Manitoba R3J 1N6. Telephone: (204) 885-3668.

MAY 13-17 — one week course — **"Environmental Engineering in Cold Regions"** — University of Alberta, Edmonton. Fee \$600. For further information contact Faculty of Extension, U. of A. 82 Ave. & 112th Street, Edmonton T6G 2G4.

MAY 22-24 — **1985 International Engineering Symposium on Structural Steel** — Palmer House, Chicago, Illinois. Sponsored by: The American Institute of Steel Construction and the Canadian Institute of Steel Construction. Contact: Mrs. L. Kerr, CISC, Toronto, 201 Consumers Rd., Suite 300, Willowdale, Ontario M2J 4G8. Telephone: (416) 491-4552. Telex: 06-986547 CISC TOR.

**The Canadian Society for Civil Engineering** annual conference will

be held in Saskatoon from May 27 to June 1. For further information contact H. K. Bowers, P.Eng., 1120 Morgan Ave., Saskatoon, Sask. S7H 2R7.

The North-Midwest Section of the American Society for Engineering and the University of North Dakota School of Engineering and Mines will hold a conference on **Politics and Engineering** on October 6-8, 1985, in Grand Forks, N.D. For further information contact the North Dakota School of Engineering and Mines at Grand Forks.

October

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## Cover story:

What is it? — a Roman ruin? — a fortified artillery battery? — an abandoned aqueduct? — a German V2 rocket-launching site in Normandy? No, this fascinating picture is none of these. It is, in fact, the proud remains of the first hydro-electric power plant on the Winnipeg River — originally the Pinawa Power Plant and now just called "Old Pinawa". It was the first hydro-electric plant in Manitoba to operate year round. This plant, which delivered its first power to Winnipeg in 1906 was the standard-bearer of a chain of hydro plants that eventually became one of the finest hydro-electric power utilities in the world.

Water is Manitoba's premier natural resource. Manitoba engi-



**Vic Thielmann giving thought to weighty matters at a Bulletin Committee meeting.**

neers have developed and utilized this resource in accordance with the first responsibility of the profession — the economic well-being of the public. So — when you look at this picture, engineers, lift a glass. Lift a glass to those members of our profession whose vision, dedication and know-how contributed so much to the people of Manitoba.

## **"Vigilance Required"**

Several matters have come to our attention lately that point up a need to highlight certain aspects of the A.P.E.M. Code of Ethics.

These are:

1. When commenting on matters in which another engineer's work is involved, if there is any doubt as to whether or not the other engineer should be informed, err on the side of courtesy and inform him. This is particularly important when a high profile matter is involved.
2. When engineers must deal with the media, they should exercise extreme discretion and be absolutely certain they are not violating any part of the code of ethics in anything they say.
3. When an engineer is aware of a matter of an engineering nature where the safety of the public is involved, he should immediately bring the matter to the attention of those who are responsible. If no action is then taken he should report the matter to the Association so that appropriate action can be taken.

*Wm. B. Mackenzie, P.Eng.  
Registrar*

## Second Monday, Every Month

Once a month, like clockwork,  
There's a meeting of the wise;  
Though, based on past performance,  
Some are surely otherwise.

The meeting comes to order  
After pleasantries exchanged;  
The chairman bangs his gavel  
As notes are interchanged.

A hurried count is taken  
To establish there's a quorum;  
Then the meeting moves ahead with an  
Appearance of decorum.

Last meeting's minutes read and passed;  
Corrections thereto noted;  
Agenda items come and go —  
Every item must be voted.

Some ask permission to rise and speak;  
Others simply interrupt,  
And the chairman, like Jehovah,  
Makes his judgments, tres abrupt.

And surely, every meeting,  
Someone deems it apropos  
To argue the complexities  
Of the Rules of Bourinot.

Yes, and ruling on the ifs and buts  
And suggesting quid pro quo  
Sits the man who wields the gavel;  
He's the generalissimo.

Some there are who just make motions  
To initiate debate,  
But cannot find a seconder  
Because it's getting late.

A reporter from the Bulletin  
Views it all with jaundiced eye;  
He comes to every meeting  
And then he wonders why.

He's hoping for some kernels  
That might get a little laugh;  
But they're almost non-existent  
In the mounting pile of chaff.

So he makes an early exit;  
Take his notes into the night;  
He'll fudge it up tomorrow  
in a manner recondite.

Some make excuses, rise and leave  
And some just sit and doze,  
Some contemplate their navels  
Waiting for the meeting's close.

And the meeting drones its weary way  
Like a ticking metronome  
'Till — "My god, we've lost the quorum!"  
—And then they all go home.

Mepa.

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## **Council Visits Brandon Area Engineers**



**Doug Delgatty, Les Ciapala of Brandon, Councillor Ted Speers and Dick Menon Brandon's Bulletin Reporter.**



**Councillors Bud Christie and Ted Clarke share some humour with Jim McGuirk and Sean Kavanagh of Brandon.**



Merc Corkal (left) and Gerry Stary (right) come to the Brandon meeting to take in Councillor George De Pauw's comments.

## **Premier's Awards For Design Excellence, 1985**

The Premier's Awards are to be presented on October 28, 1985. This presentation has been advanced from 1986 to correspond with a major design show of Swedish products to be put on by the Museum of Man and Nature.

The entry criteria include a standard layout, standard form and questions along with an entry fee charged for each entrant. Each en-

try should include five (5) colour slides of professional quality for every product submitted by each designer/client.

Further details and entry forms may be obtained by contacting Michael Gyde, Manitoba Design Institute, 1329 Niakwa Road, Winnipeg, telephone 945-2468 or Mary Dixon, 1985 PADE Coordinator at 237-4482.



# **ENGINEERS' GOLF TOURNAMENT!**

**CARMAN GOLF CLUB  
Carman, Manitoba**

*Thursday, June 6, 1985*

*KEEP THIS  
DATE OPEN!*

COME AND SHOOT THE BREEZE AND SOME GOLF  
WITH YOUR FELLOW ENGINEERS.

*SLICERS AND HOOKERS WELCOME.*

Lots of prizes for golfers, for duffers,  
for has-beens and for would-bes.

**See separate notice for details.....**

***The purpose of this  
Association is to protect  
the public of Manitoba.***