

The Manitoba Professional Engineer

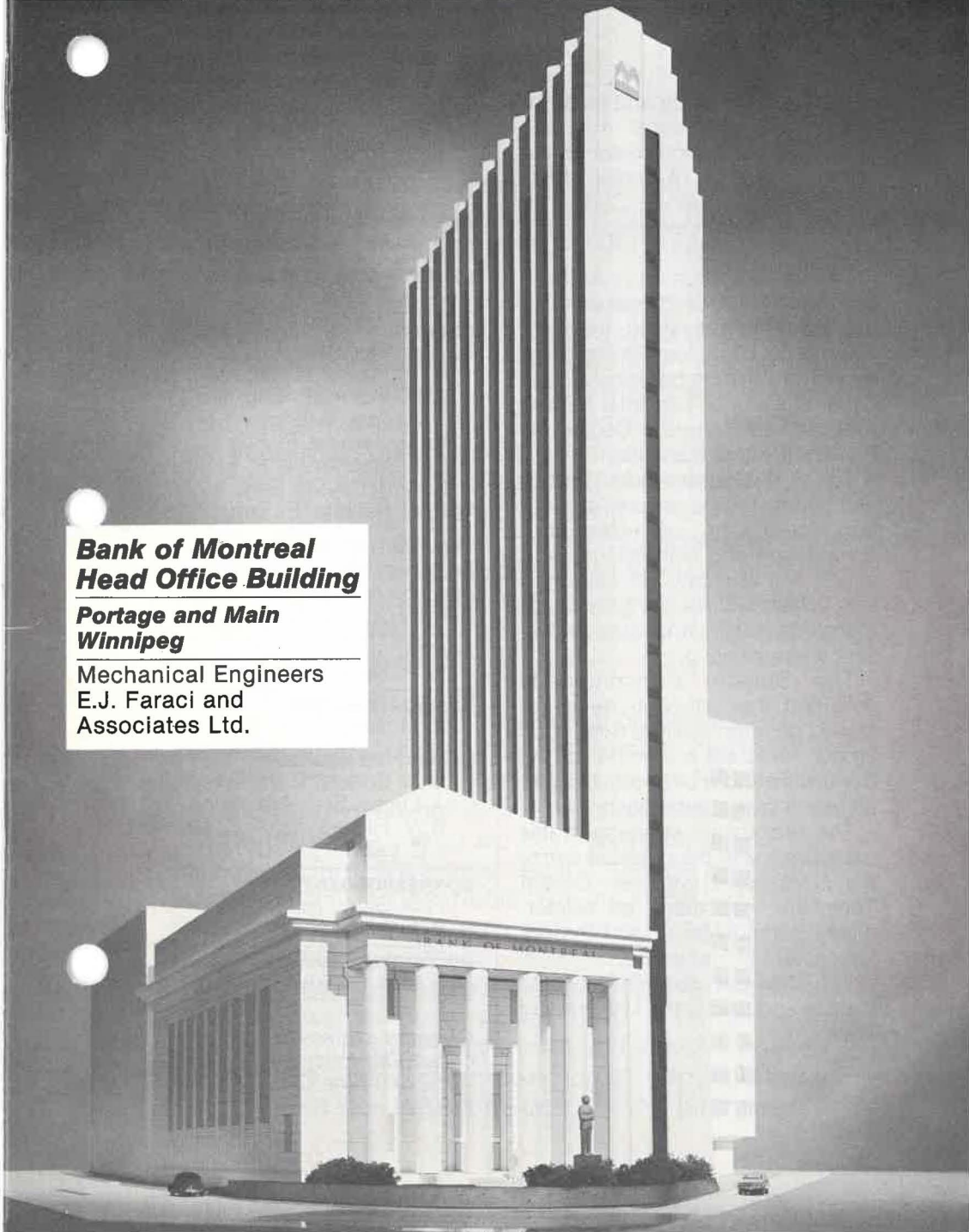
# *bulletin* 83

June

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## Editorial

# Carson Templeton Honoured

It is with both pride and pleasure that we announce that the University of Waterloo conferred the Honorary Degree of Doctor of Environmental Studies on Carson H. Templeton at its convocation on Friday, May 27, 1983.

Carson Templeton is this Association's most honoured member. He holds our highest award, the Merit Award; he holds our Outstanding Service Award. He has received the Order of Canada. Last year he was awarded an Honorary Degree by the University of Manitoba.

To all his endeavours Carson Templeton brings stature, dedication, credibility, understanding, compassion and high standards of ethics and fair play, all seasoned with brilliant wit. He is a great credit to this Association and to the profession of engineering.

The Bulletin Committee is delighted that although he is removed geographically to British Columbia, he is still a member of the Committee and makes regular contributions to this publication.

The President's Message in this issue deals with the public image of the professional engineer. Carson Templeton has made an extraordinary contribution toward the enhancement of that image.

We offer our congratulations to Carson and also to the University of Waterloo.

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# bulletin 83

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*Opinions expressed are not necessarily those held by the A.P.E.M. or the Council of the A.P.E.M.*

# President's Message

## Our Public Image

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By D. E. Cross, P. Eng.

**A**s I travelled to Wanipigow I had the opportunity to reflect upon my profession and how we as Professional Engineers worry about our public image or lack of it.

The A.P.E.M. represents 2700 practising Professional Engineers. These engineers cover a wide and diverse range of knowledge and expertise. From the newest graduates in training to upper management, our members are active in both the private and public sectors. In addition, our members give freely of their time in volunteer work which is of benefit to the community.

The engineering profession is being looked to for the implementation of solutions to move our economy from the doldrums. It is recognized by all levels of government — be it federal, provincial, or municipal that there is a desperate need for high technology and highly skilled people. The Professional Engineer is the key to this expertise.

From my travels, I feel the general public recognizes the value of the engineer to the community and the economy. The one difficulty seems to be the fact that we are such a diverse group of specialists, and that it is hard to grasp the impact we have on all aspects of our national welfare. We are not like the medical profession which deals with the public on an individual basis. Rather we deal in projects that have impact on the public on a large scale.

It is my opinion that our public image is excellent. However, we as professionals have a tendency to downgrade our accomplishments and are very conservative about "blowing our own horns". We tend to be negative and lack "esprit de corps". Our energies are ▷

directed towards getting the job done, and we do not take time to advertise our abilities.

This fear of a poor public image has always been a source of irritation to me as the blame is often directed towards the Council of the A.P.E.M. A Council of 10 members cannot have impact on the public at

large in the same way that 2700 members can. It is up to each and every engineer to do his/her part to promote the benefits of the profession. Be proud to be an engineer and do not hesitate to let others know about our expertise and achievements.

## Historical Notes

An article in the September 1956 issue of the Bulletin on Councillor Len Bateman indicated he had attained some fame as a bicycle rider, having completed the Winnipeg to Kenora race in 7 hours and 15 minutes "in his younger and more athletic days." In his mature and still athletic days he often swims up to a mile a day.

Rubin Diamond, the University reporter in 1956, wrote that the 40 beer contest might not be held that year. The winner the previous year had consumed 64 beers. "The event received much publicity and one Ontario student, who had a low opinion of Manitoba beer, wrote in saying he had sent a sample to an analyzing lab and received a report that his horse was sick."

In April 1957 the Bulletin reported that as a result of representations made by professional associations, the Minister of Finance had announced that an amendment to the Income Tax Act permitted the deduction of professional fees.

The 29th annual dinner and dance was held on February 21, 1958, with 300 persons attending.

President and Mrs. L. A. Bateman led the grand march which was followed by dancing to the music of Irwin Plumm and his orchestra.

In the June 1958 Bulletin there appears a picture of "Nick Diakiw, the proudest father of the year, and four-month-old Robert William Diakiw." Robert William Diakiw is now a registered member of this Association.

The most contentious issue at the 1959 annual meeting was whether or not the Association should have its own quarters, at a cost of up to \$60,000.00.

The 1959 golf tournament was held at Pine Ridge, with a fee of \$5.00 for dinner and golf.

The first lady engineer, Mrs. E. Kuiper, was registered in 1959.

Four hundred and seventy eight people, "the largest turnout ever", attended the annual dinner and dance at the Royal Alexandra Hotel in 1959. Cub reporter Clyde McBain covered the event for the Bulletin.

# Council Meeting

## April 11, 1983

By S. M. Matile, P. Eng.

**B**y 3:40 p.m. on Monday, April 11, 1983, Councillors Morris, Jost, Roberts, Foster, McKay, MacKenzie and Jardine and President Cross, having already approved the agenda for the present meeting and the minutes of the previous meeting, were engaged in the approval of two new licences, four licence renewals, three engineering graduates, two transfers and nine registrations, and the approval of the March, 1983 accounts.

They moved on to review the minutes of an Executive Committee meeting held four days earlier. These minutes included: a recommendation that the Practice and Ethics Committee, who objected to not having had sufficient opportunity to consult with the Committee on Committees (a committee set up to review the terms of reference of the various A.P.E.M. committees) be invited to the July Council meeting to discuss their proposed terms of reference; a recommendation that Council revise the Engineering Act by passing a new Act rather than introducing a Bill of Amendments; a list of four suitable engineers to serve on the Winnipeg Rivers and Streams Committee; a list of five suitable candidates for the City of Winnipeg's Building Commission; a recommendation that conditional approval be given the newly-revised terms of reference of all committees

but the Practice and Ethics Committee; and a recommendation regarding A.P.E.M. staff salary increases. The first four items were dealt with quickly, and with little discussion; but the Terms of Reference for the various committees and the staff salaries commanded a great deal more attention, as did the recommendation that Council assume the expenses of the Director's wife (or girlfriend? ... or both?) for the Spring C.C.P.E. meeting.

The next item on the agenda was the Report on Qualifying for Professional Status After Graduation. In this report, Past President Jardine and Registrar Rogers (i.e., Ken and Ben!) recommended that a mandatory programme, including courses complete with exams, be set up for engineering graduates. Council debated whether the 2-year "waiting" period should be a period of apprenticeship or of continued education. There was some concern that a programme in Manitoba requiring examinations in additional subjects would limit the portability of Canadian engineers. It was decided that Ben should determine what other Provinces do (or are considering doing), and report back to Council.

Next came the presentation by John Bachmann, Chairman of the Continuing Education Committee, of a questionnaire to determine the ▷

professional development needs of A.P.E.M. members. Council suggested some additional questions, raised concerns as to whether continuing education would be professional development or self-interest, and challenged the proposed means of data correlation. It was decided that Councillors Foster and Roberts, who are experienced in correlating questionnaire results, would critically review the next draft, and help finalize it in time for circulation with the June issue of the Bulletin.

At 5:50 p.m., dinner, comprising three savoury varieties of Juliana's pizza, arrived; so Council took a 25-minute break.

At 6:15 p.m., the meeting resumed with a request for names for

the Asbestos Committee (Ed Geres having asked to be removed from this Committee). Two Councillors thought they knew three people who might be interested, so it was left in their hands.

The last item on the agenda was the A.P.E.M. Centennial Lecture Series. Since the U. of M. will be hosting a conference of the American Society of Engineering Education this year, Glenn Morris thought that the A.P.E.M. Lecture could be combined with this conference, and asked Council for suggestions for speakers. None was immediately forthcoming, so the meeting adjourned at 7:10 p.m., leaving the Councillors plenty of time to get home to watch the Academy Awards.

## May 9, 1983

By R. A. Kane, P. Eng.

### **Council Convenes and Convenes and Convenes**

**T**his marathon session began at about 3:40 in the A.P.E.M.'s boardroom with the usual fare. In the adoption of the minutes a request for earlier circulation was made and shall be done. It was also noted that the revisions to the Professional Engineers' Act will be presented as a new Act in its entirety. The reason for this is that each point of revision would have to be spoken to in the House making it very tedious.

The granting of the registrations, licences, reinstatements, engineering graduates and transfers was handled as a group. Noted was the

time required for some people's cases to be heard. One member of Council was confused about why a few applicants had been turned over to the Admissions Review Board, and after much discussion answers were forthcoming from Mr. Rogers and other members of Council that seemed to satisfy everyone.

The passage of the accounts created one note of interest. There is no such thing as a free lunch and with that the next item, the quarterly statement, showed no charge for lunches. It seems as though the lunches are charged to committee expenses. The quarterly statement shows that the money situation for the year is tracking very well and assuming all goes well a certain surplus may be forthcoming of about \$25,000.

There will be no new Roster printed this year but it is to be reviewed again in early 1984.

Bob Foster reported on a meeting he had about the Annual General Meeting specifically on whether or not there will be a dance. The thrust of the report is:

The dance in its present format is not a success and should be dropped. In its place a dance held separately would be preferable in the Spring, at a different location such as the Canoe Club or Vasa Lund. The costs should be kept down but still retain a degree of formality. An ad hoc social committee will be struck to arrange this dance and Dave Cross will lay out the A.G.M. format with that committee, keeping all this in mind.

An invitation to send an official observer from the A.P.E.M. to the Canadian Accreditation Board hearings in Ottawa in early June was accepted with Evan MacKenzie being named (subject to his clearing the time off from his duties at the M.T.S.). Should he not be able to go the alternate attendee will be Ian McKay.

Mr. O. A. Rogers reported on his meeting with the Manitoba School Science Symposium. Council voted that no funds would be forthcoming in the form of a grant, rather they will offer a prize for an engineering entry in the Fair, to be discussed between A.P.E.M. and the Symposium personnel.

A report on the C.C.P.E. meeting to which Ken Jardine spoke produced few earth-shaking notes.

About now supper arrived and everyone broke off to replenish his reserve to attack what was doomed to be the marathon point on the agenda. Discussion and ac-

tion on the report from the Committee on the Review of Committees.

I will take great liberty in reporting on this by making my report infinitely shorter than the discussions which ensued. Here is the line score.

The terms of reference for the Consulting Engineers, Nominating, Salary Schedule, Bulletin, Sports and University Liaison passed as a group with little discussion. This is on a 6-month basis and may be changed subject to a review of the workability of these committees' terms at that time.

Each of the next committees had some comments which had to be addressed. ▷



*Robert McBain, son of Past President Clyde McBain, taken at the reception for the 1983 graduates in engineering. Robert has his arm in a cast as a result of a skiing accident, not because of a fall in the engineering library.*

*Executive/Finance* — Approved on 6-month basis subject to review.

*Brandon Area* — Approved but the name was changed to The South-Western Manitoba Committee.

*Social/Annual General Meeting* — Approved as Annual General Meeting Committee with all points relating to social events deleted. (The Social earlier was handled on an Ad hoc basis).

*Legislation Committee* — This passed as written after much comment about the need to meet monthly.

*Board of Examiners* — Passed as above except they will have to meet on quarterly minimum basis.

*Awards Committee* — The terms of reference passed with the guidelines for awards being dropped. A meeting between this committee and Bob Foster and Fred Jost to discuss the guidelines controversy will be held.

*Continuing Competence* — This committee was referenced as Continuing Competence and Professional Development and the terms of reference passed with the name not going to Professional Development.

The rest of the committees will be dealt with later. Council felt they required further study. Anyway it was now 9:20 p.m. and time to call it a day.

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## **Me and Bruce**

I seem to have worked myself into two strange and unique (at least to me) situations. One is the opportunity to travel throughout Manitoba, meet many new people and visit a great array of factories and other facilities. The second life-shattering experience is being confined with the person of Bruce E. Crawley (formerly B.Sc. M.E. but now only P.Eng.). Past and upcoming trips with Mr. Crawley (who never wears shoes, but always chews on plastic stir stix) are the source of untold stories, documentaries and lies which will shortly be forthcoming.

Hopefully my travels will bring me into contact with other engineers throughout Manitoba — and also give me a break from Bruce.

I'll let you know how things are going as soon as I can get this new P.Eng. to put on his shoes.

*Joe Lucas, P.Eng.*

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## **New Members**

J. M. Robert; D. E. Carr; J. L. Conquist; R. W. Demianyk; B. R. Kidd; A. E. Nicholls; D. Glenn Nicholls; J. O. Suzuki; M. D. Tilley; B. E. Crawley; D.B.P. Frogley; J. E. MacPherson; L. P. Richard; S. B. Adelman; R. F. Ennis; R. J. Fingas; R. K. L. Ho; E. Holowick; W. J. Lewis; J. A. Longbottom; D. Gordon Nicholls; J. D. Ogrysko; W. W. Rempel; R. W. Wachal; E. B. Webb; W. Yeung; M. Singh; N. S. Crawford.

## **Licences Issued**

N. L. Leipziger (Ont.); A. W. Morgan (Ont.); T. W. Purdy (B.C.); D. C. Batchelor (Ont.); G. L. Colborne (Sask.); G. A. McDonnell (B.C.); D. J. Morrow (B.C.); J. A. Patra (Alta.); N. Ruzs (Ont.); Z. L. Szeliski (Que.); B. F. Tessler (Ont.); R. J. Krisciunas (Ont.); C. D. MacPhedran (Sask.); J. C. Draper (Que.); H. Mirasyedi (Que.); E. L. Poole (Ont.); E. F. Vickers (Ont.).

## **Dawning of the Age of Aggravation**

**M**y days at the Alma Mater were spent with my slide rule as my constant companion, salvation and sidearm. It bared its figures to me shamelessly and would unhesitatingly cast its form between me and certain failure (at least most of the time). All the right answers, within 10%, were openly displayed while I only had to get the decimal point in the right place. What could be simpler?

COMPUTERS, YOU SAY!! The wave of the future has broken on the beach, and we are all in the undertow. It's time to sink or swim.

The change from slide rule to \$120, 4-function calculator was relatively painless. There are still the emotional scars from hanging up the ol' Pickett and from watching the price of calculators drop to \$20.00.

After working with hand-held calculators long enough to forget how to do long-hand division, a new life form emerged: the personal computer. (Do I need one? I don't know, let's ask the computer). From a whisper came a roar of floppy discs, bits, bytes, ROMS, RAMS, mainframes, disk drives and a 5K memory full of other words which have no meaning to me other than the scientifically-based approximation that one line of catalogue description is equal to \$168.00 worth of computer. I just count the lines and multiply by the CCF (Computer Catalogue Factor) and can calculate the price within 10%.

What happens to a basically innumerate person who is as familiar with the world of computers as he is with his own spleen? Turn a trick of destiny and ask him questions which can be answered only with

the speed and accuracy of a computer.

While writing this article, I am sitting directly in front of a five-foot high computer that weighs more than my entire family. My workdays are spent gathering information, answering questions and interpreting results, all in the service of "the machine".

The memory and calculating ability at hand are phenomenal which allows me to make drastic errors in only a fraction of the time I formerly required.

But it really is worth it. Some days everything works, all the numbers drop into place, every question has an answer and it becomes an event. No such comments come to life on the screen, no smoke billows from the CPU and the printer begins a melody that, after a day's input, may only be described as symphonic.

All that's left for me to do is figure out where the decimal goes.

*Grit and Spot*

### **Court Action**

The Association instituted court proceedings against a company using the word "engineering" in its name when there were no professional engineers in its employ. The Judge ruled in favour of the Association and the company must delete the word "engineering" from its name. The name came to our attention through the weekly check done by the A.P.E.M. staff of the list of companies granted registration in Manitoba appearing in the Manitoba Gazette. The name was also brought to our attention by one of our members.

**D**<sub>o</sub>  
you recognize these Thespians,  
performing in the A.P.E.M.'s  
1964 Shakespearean festival?



**A**nswers:

Clyde McBain with bare knees and  
boots

Ted Speers with frill and slippers

Bob Stokes with new perm

Doug Grimes with teeth and toque



## **Labour Negotiations During These Difficult Economic Times**

*By A. S. Orchard, P. Eng.*

**T**he Federal government guidelines for wage increases are 6% this year and 5% next year. Period. During these difficult economic times non-unionized management and office workers have been taking salary cuts, wage freezes, shortened work weeks with compensating pay cuts, and extended work hours with no compensation for overtime. Some fortunate non-unionized employees have had wage increases. However, many people are happy just to be employed. The annual inflation rate has now dropped to 6.6%. Why then are unions continuing to push for wage increases in the 12% range and often threatening strikes to back their demands.

To understand the answer to this question, one must look at the underlying situation and pressures on both sides of the negotiating table. The fact is that in spite of the present economic situation, some things that affect collective bargaining have not changed. A person's satisfaction with his earnings is usually a comparative issue, and perceived inequalities will always exist when people feel they should be earning as much as or more than other individuals in bargaining units in other locations. Even if a person's wages are in the top 20% of workers with similar jobs, then that person could be dissatisfied if he is not earning as much as those above him. If a person is paid less in Manitoba than his counterpart in Alberta or Saskatchewan, he can also be dissatisfied.

Another issue that hasn't changed is the constant push by unions to increase their members' wages, benefits and working conditions in spite of what the economy will bear. Unions have done a great deal to improve the working conditions and living standards of workers over the past 50 years, and they continue to "fight" for greater improvement.

Numbers of factors are different during difficult economic times, and they should be recognized by both sides. Employers are very aware of the need to keep all costs at a minimum in order to remain competitive, and when times are tough competitive pressures are always at their greatest. In some cases employers can afford to give only nominal settlements in order to maintain their viability. The need to pay high wages to attract good qualified people is normally not required in a recession, since skilled labour is in abundant supply and turnover with existing employees is low.

From the union's point of view, fewer members working during tough economic times results in lower union dues being collected, and this results in less money available to support a strike, particularly after fixed union management expenses are paid. It can also be more difficult where the economy is weak for members to find temporary employment during work interruptions. In fact, job security can become an important issue, and employees may trade off wage and benefit increases for job securi-

ty. Some unions are requesting a clause in their agreements to cover the event of permanent plant closures.

In summary, during difficult economic times there is increased pressure on both sides of the bargaining table to reach a settlement, which, from the employer's point of view, must be realistic in terms of their economic health and competitive position. On the other hand, workers often think their earnings are inequitable, and this results in high demands.

What is happening? The value of settlements has dropped considerably in the last six months. Settlements of 6% in the first year and

5% in the second year are quite common, and many employees are accepting less than 6% to maintain their jobs. The Federal Department of Labour has reported that the average annual increase for settlements without a COLA clause was 6.6% during the first quarter of 1983, down from 7.3% in the fourth quarter of 1982. This is based on 132 agreements covering 370,000 employees.

Unfortunately these settlements are often being reached with poor harmony between the union committees and management. However, the employees are recognizing that their needs are best served by keeping working.

## **Reap What You Sift**

"Oh, the comfort, the inexpressible comfort of feeling safe with a person, having neither to weigh thoughts nor measure words, but pouring them all right out, just as they are, chaff and grain together; certain that a faithful hand will take and sift them, keep what is worth keeping and then with the breath of kindness, blow the rest away." (D. M. M. Craik)

These are flowery words but stem from a root of truth. Too often we judge the chaff alone and miss many grains of wisdom. We certainly couldn't ask for better people, but maybe we should be creating better sieves.

*Joe Lucas, P.Eng.*

## **Engineering Graduates Enrolled**

E. McCullins; G. K. Kristiansen; A. A. Sebak; G. J. Banero.



*Darcy Corkal, son of M. Corkal, P. Eng. of Dauphin, has finished fourth year engineering (with a minor in low-budget cooking.)*

## Engineers in High Tech

**H**igh Tech is the catch word of the eighties. How can we capitalize on our abilities in technology to build a High Tech Engineering Profession in Manitoba?

The depression has taught us that we must keep our eyes open for new management techniques to carry us forward toward the holy gain. But just because techniques are new does not mean that they are successful. So it is better to watch for some that have been proven elsewhere.

The Association could well adopt some of the Federal techniques to help its members and itself become self-sufficient. First the Association must get control of its members. There are a number of ways to do this, but one that is tried and true is to tax the members till it hurts and with the money generated reward those that follow the Association line.

The Association should charge its members, at the start, \$5000 a year dues. A few members might grumble at that but with a strong Enforcement Committee and the threat of cancelling their licences they'll pay up. Council can improve the situation by dangling a few carrots in front of the faithful.

With the \$55,000 thus generated the Association can borrow from future engineers. If the Federal formula of an annual deficit of \$1363.63 per man, woman and child is used the Association should be able to run a deficit of \$3,449,983 (assuming an engineering family is 3.2 in number). Thus, with the \$55,000 in dues the Association would have \$3,504,983 per year to spend to increase the health,

happiness, and competence of its members.

If the Association is to properly manage such a large sum of money the Councillors would have to receive adequate compensation, and, of course, there would have to be a repository for retired, defeated, or incontinent Councillors. We would not want this repository to start off with an unsavoury reputation so it should not be called a Senate. Instead it should have a more uplifting connotation like "Golden Gate". One can conjure up visions of the members, each coming to the Golden Gate and asking for permission to enter the Chamber of the Sober Second Thought. Of course some might find "thought" (sober or drunk) difficult. In which case they could be rewarded for their aspirations by being made titular heads of sister organizations.

It is clear that Council will have to have an adequately sized and paid staff to support it and run the show when the Councillors are off attending important meetings in various parts of the world. Thus the staff should have lifetime job security, yearly raises and yearly job reclassifications. Because of their onerous duties the staff members should not have to worry about their old age so they should have indexed pensions and the usual perks of family travel and laundered subsidizations.

As can readily be seen the sum of \$3,504,983 will be inadequate to run such an organization, so additional fees will be required from selected members. The most likely group of members to provide more fees is the consultants. All the Association needs to do is levy a fee

on a consultant's ability to pay. So that they can pay, they will need more money. To get this the Association can double or triple the Fee Schedule (the consultants will lap this up). Then before they can squander the money the Association can levy an Ability to Pay Fee and hire a pod of auditors (engineers of course) to see that no one gets more than Council thinks one should.

Council in the future should award all consultant contracts to assure fairness. It can be expected that with this procedure consultants and staff will be in accord with the policies of

Council who are acting in the best interests of the profession.

When the consultants get more money all employers of engineers will pretty well have to follow suit. Thus complete employment is assured with all engineers in the Province getting high wages. The logic of this is rather obtuse but the Feds say it will work.

As anyone can plainly see the Federal Management Principles can be used to make the Association not just a licensing body but a leader in full employment practices — a High Tech Industry.

## **Too Much Humour?**

**W**hat form of musing am I party to — too much humour in the Bulletin? It is difficult to believe that anyone, anywhere, anytime would voice the concept that some portion of our environment is being infected with, of all undesirable bacterium, humour. Good-hearted toasts the world over include wishes for "Health, Wealth and Happiness" — now we find that there may exist the concept of excess happiness. The offshoot of this premise is, unfortunately, too much wealth and, even more unfortunately, too much health!

The only people I have ever heard to raise a negative voice in the face of wealth are the unwealthy who recite that "money is the root of all evil," "the best things in life are free," and numerous other samplers which sustain ids more than reflect the realities of life.

To be truthful, I have never heard someone complain of too much health, but, then again, I haven't heard from everyone yet.

As for the decriers of humour, it would appear that only the unhumorous pursue this activity. Perhaps being unhumorous is thought to be the same as being serious, educated, moral, intelligent or some other "stand-alone" attribute. I would suggest that the lack of some amount of humour may indicate a lack of enjoyment of one's life.

To suggest that an engineering association publication has too much humour within its covers is not a constructive criticism but rather a desire to portray a distinctly different image of the Association to the readers. This would be a serious error if carried forward. A person devoid of humour is a sad creature, but to publicly display an entire profession as serious, cold, calculating, factual, carbon-based lifeforms instead of real-life human beings who have some engineering training is unfair to both sides of the profession and is totally fraudulent.

**AND THAT IS NOT FUNNY!**  
*Spot and Grit*

# Places Backward

the first published President's Message, written by Jack Hoogstraten, and an article by the first Editor, Gordon Christie, as well as other items that may be of interest to people with long memories.

## **President's Message**

*By J. Hoogstraten, P. Eng.  
(July 1956)*

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

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

Rather, I refer to those professional responsibilities which can only be completely discharged through the Association. Of these, I feel that the maintenance of educational and professional standards and the control of the conditions of practice as set forth in the Provincial Act are most important. I believe also, that the Associations are intimately involved in the problems facing us in the national technical manpower shortage.

If the Association is to make its proper contribution in the eventual resolution of these problems, complete registration and an informed membership become more and more essential. Obviously, then, a

The first issue of the Manitoba Professional Engineer was published in July 1956. There have been 16 Editors and 27 Presidents since that date. We are reproducing

news letter can serve a most useful purpose, and the Public Relations Committee is to be congratulated in bringing it into being.

## **Let's Keep It Up**

*By G. T. Christie, P. Eng.  
(July 1956)*

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

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



*Gordon T. Christie,  
P. Eng.*

*Editor 1956-1957*

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

Considering the latter point, the



*Members of the 1956 Council, taken at a Council meeting in the Association's first office — in the Avenue Building. President J. Hoogstraten (left end); L. A. Bateman; W. L. Wardrop; R. N. Sharpe; C. S. Landon; D. M. Stephens; N. S. Bubbis. This picture appeared on page 1 of the Bulletin's first issue in July 1956. Gordon T. Christie was the first editor.*

active interest of the Association meant making an appearance at the annual meeting, listening to the various reports and, except for this year, consuming enough food and beverage to reduce substantially the actual net cost of annual membership for those in attendance. Fortunately, the evening is not subsidized now. However, in order to fill the gap between Council, the various standing committees and the membership at large, with regard to active knowledge of Association interests, this bulletin has become a necessity.

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

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

## **Talent Galore at Fall Frolic**

*(December 1956)*

A capacity crowd turned out to the Association's Fall Frolic at Jack's Place on November 30th. A gaol and judge's stand, designed and constructed by George Newman, P. Eng., attracted a good deal of attention and several prisoners. The judges, Scotty Borgford and Charlie Landon, were suitably attired in gown and wig and collected a total of \$1.93 in fines. President Hoogstraten had the questionable honour of being the only two-time offender. The second time he was arrested he ungallantly



insisted that his dance partner be taken off to gaol with him. However, good Samaritans like Fred Lindenschmidt and Charlie Ireland paid the lady's fine and she was soon freed.

The Master of Ceremonies' duties were shared by Tom Weber and Ken Hallson, both of whom did a fine job. Ken Hallson presented the awards and read the citation accompanying each one. Jack Hoogstraten won the design award — a large pair of rubber gloves—for having solved the problem of how to clean small ducks, when one has exceptionally large hands. The Good Housekeeping Award went to Craig Sommerville, who was presented with a red and white apron, shaped like a pair of bloomers. The apron was designed and made by Mrs. W. Adams. Bill Adams won the award for the greatest success in animal training. Bill had just recently house-broken his dog in the record time of thirty-eight and one-half days and was presented with a jar of dog deodorant and a box of sawdust for his prowess. The Award for Outstanding Courage went to Bill Lynn, for having refused to succumb to his wife's plea for a new \$40.00 hat. Bill was presented with some veiling and two lovely feathers so that he might make his wife a hat. Bob Gottfred won the Style Award and received a hat, shaped like an umbrella.

There are certainly some fine dancers among the engineers and several top-notch performers were noted at the Frolic — Dick Schaller (one-step), Hans Neufeldt (rhumba), Vern McGregor (jive), and Wilf Ducharme (waltz). Top honours for manoeuvrability went to Ray McQuade. In spite of the large crowd

on the dance floor, Ray seemed able to pilot his partner about with grace and ease.

The engineers obviously have the nucleus of a very fine male voice choir. This heretofore undiscovered talent made a successful debut at the dance. The fine tonal qualities of Doug Anderson, Jack Yellowees, Bob Handler and Jack Kemp blended together harmoniously with surprising results.

The consensus seemed to be that it was a terrific party and much credit is due to the committee in charge of arrangements. The committee included Tom Weber, Ken Hallson, Evan MacKenzie, G. C. Cartwright, Bob Young, G. B. Wiswell, George Newman, Fred Lindenschmidt, Bill Dexter, Bill Adams, George de Pauw, Ian Chester, A. E. Sharp, E. V. Malmgren, L. A. Bateman and N. W. Diakiw (the hottest ticket seller on the Prairies). As the Winnipeg Free Press stated in its write-up of the dance, the engineers really "lived it up."

### ***Always a Bridesmaid, But . . .***

*(April 1958)*

Anyone who is looking for an usher or a best man for a forthcoming wedding would do well to consult with an expert, Evan MacKenzie (rates on application). Evan's record for participating in wedding ceremonies is almost unequalled: Usher - 6 times; Best Man - twice; Groom - 0.

1983 Footnote: These statistics should be updated to Groom - 1. This note in the Bulletin spurred Evan on to a change in role, and in 1962 he married Irene, and they now have one son, John, aged 17.

## Letters

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R. A. Kane, P. Eng.,  
Editor.

Dear Sir:

A.P.E.M. President, Dave Cross, in the "President's Message" (Bulletin, April '83), commented on the need for "the profession to show leadership" and "a willingness to take responsibility and stand by what is done." This message arrived the same week that 80,000 people in cities across Canada demonstrated their opposition to proposed Cruise missile testing in our country. Are engineers showing leadership on this issue and the broader concern about nuclear war? Are we aware of the immediate economic effects of the arms race on the Canadian economy?

The Code of Ethics of the A.P.E.M. states that one of the foundations of ethics is the mutual interest among men. The Code directs the professional engineer "to interest himself in public welfare." Indeed, the first responsibility in all aspects of work should be "the physical and economic well-being of the public."

Engineers cannot presume to act as moral judges for the rest of society since they possess no special qualities which make them superior moral authorities. However, since public opinion is clearly changing, then professional engineers must reassess their duty according to their code of ethics.

In 1982, Canada sold about \$1.5 billion of military products.

Engineers in Manitoba are involved in designing, developing and manufacturing these products. A major concern for engineers employed in the defence industry is the moral question of continued employment in this activity, especially at a time of high unemployment. Fortunately, a U.S. Department of Labour study has shown that reinvestment from one job in the high technology defence industry can produce 1.3 jobs in construction, 1.5 jobs in consumer industries, and 1.8 jobs in health care, for example. The choice for engineers is either a few missile guidance systems or more building construction, farm machinery design, and heavy industrial plants. Industrial conversion from military to civilian production means more employment, lower inflation and interest rates, higher productivity and greater security.

The A.P.E.M. should organize a seminar to examine the opportunities in this province for industrial conversion. An educational session at next Fall's Annual General Meeting could include showing the film "If You Love This Planet" followed by a panel discussion on "Engineering Ethics in the Nuclear Age."

*Derek B. Wilson, P. Eng.*

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Dear Citizen Kane,

It is with open eyes that I read the April 1983 edition of the Bulletin and wish to extend my congratulations on the format change. ▷

The shift from the multi-coloured mystery cover to the engineering-content-type cover is a move towards a more relevant publication. Perhaps a bit of background information on each cover photo could be inserted for interest's sake.

The new column from your obviously green-of-thumb Gärden

Editor was a complete change of direction, totally without engineering content and absolutely enjoyable. At least one of your numbers is earning his celery.

Thanks to all responsible for the new Bulletin.

Joe Lucas, P.Eng.  
(Who is not too responsible)

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## **"A Problem of Perspective"**

One of our members, who is proud of his "farm-boy" heritage, told of his problems with cardinal directions during an extended stay in Australia.

Used to an implicit sense of directions taken from the position of the sun, he had a terrible time during the Australian winter equating "noon" to the sun's position **in the north!**

Another engineer was in eastern Canada, attending a seminar on advances in farm mechanization. Deciding to look at the countryside, he rented a car, and came upon an apple orchard, where to his surprise he noticed a farmer, holding up a pig so the pig could eat apples off a tree.

Stopping his car and getting out, (no doubt with farm mechanization thoughts still uppermost), he asked the farmer:

"Doesn't it take a long time to get a pig fat, feeding it like that?"

The farmer replied:

"Sure it do, bye, but what's time to a durned old hog?"

## **Practice in the Yukon**

The Yukon Association has asked us to bring to the attention of our members the fact that the practice

of professional engineering is governed by the Yukon Association and that anyone practising in the Yukon must be registered there. Registration in another Association does not confer the legal right to practise in the Yukon, any more than it does in Manitoba.

## **The Cover**

Members are reminded that the Bulletin Committee plans, in future, to publish covers relating to engineering projects undertaken by our members. We solicit the assistance of members in supplying us with interesting pictures. Pictures may be black and white or coloured, with the shape preferably corresponding to that of the Bulletin (greater in height than width.)

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## **Annual Fees**

Section 16 of the Engineering Profession Act reads as follows:

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.

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