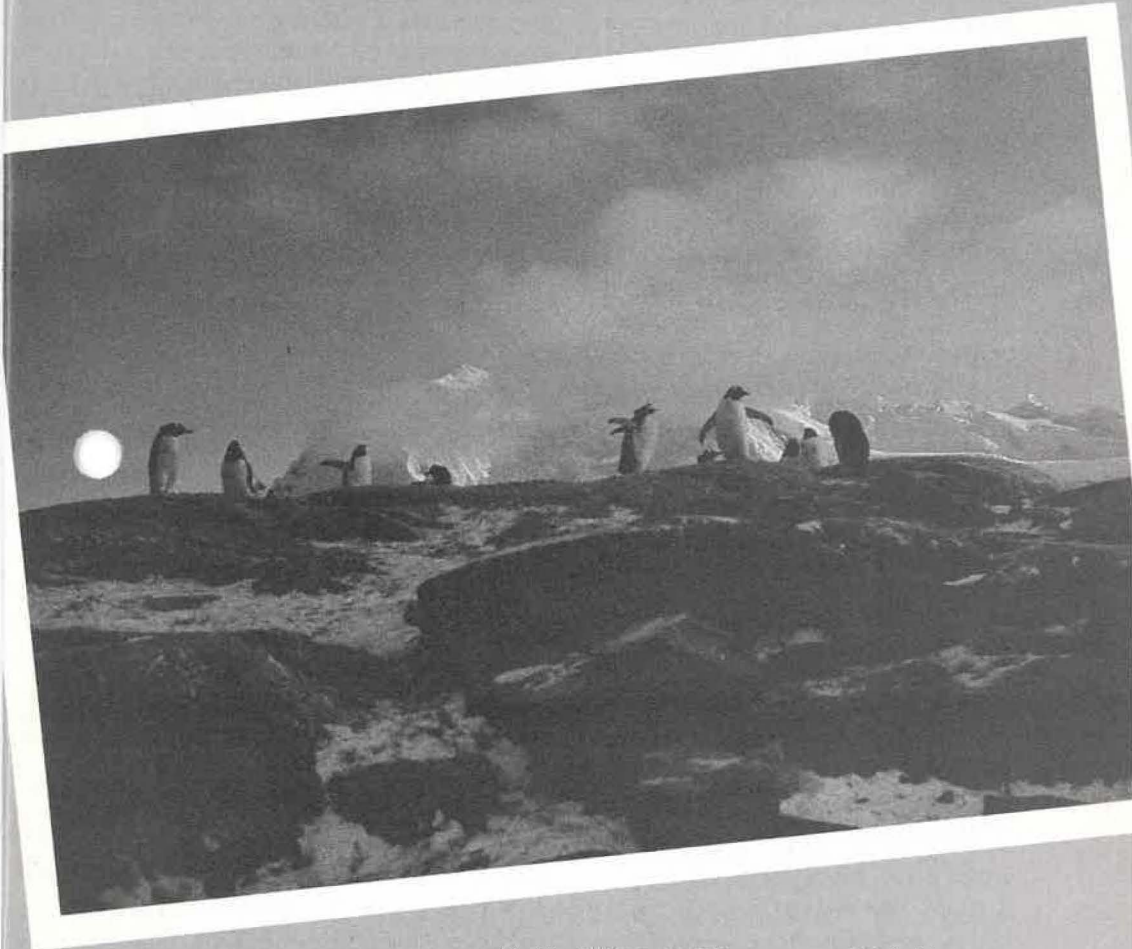


The Manitoba Professional Engineer

December
bulletin 83



K. M. Adam, P. Eng. presented this and other slides of his "Voyage to Antarctica" at the Annual Meeting Awards luncheon

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Winnipeg, Manitoba,
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Editorial

By R. A. Kane, P. Eng.

Au Revoir

Because of my recent election to Council I will be resigning as editor of the Bulletin and the chairmanship will pass to another. Since this then will be my last time to fill this spot I want to take the time to comment on one of the things I truly enjoy. This committee.

This Committee is as unique a group as any in any professional organization. Each member of the committee gives more time than any other sitting committee member. The time spent is not simply the three meetings an issue but also many hours spent writing and rewriting individual submissions. Not one person is a paid writer. In fact most have only been exposed to Engineer's English beyond high school which we all know is looked at with disdain by the more arts-intensive programs of other professional schools.

In spite of this handicap the variety of topics, the style and the readability are such that on numerous occasions we get special requests from others who would like to duplicate what we take for granted.

The Bulletin is one of the more visible reasons for my general enthusiasm for Manitoba and the people who make up this Province. There is a feisty independence coupled with a clear understanding of the rewards of hard work.

To all the members of the A.P.E.M. a very Merry Christmas and success in the New Year. To the Committee my great thanks for everything.

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

Coming Events

By. R. R. Foster, P. Eng.

In my first President's message I will touch on a number of items which I have given some thought to over the past few weeks. My intent is to discuss these items more fully in future issues of the Bulletin.

Last month Past President Dave Cross and I attended the semi-annual meeting of the Canadian Council of Professional Engineers. This organization represents all of the provincial Associations, has an annual budget of approximately \$825,000.00 and undertakes a variety of activities on behalf of the Associations. Relative to the larger Associations, Manitoba's contribution to C.C.P.E. is fairly small, about \$15,507.70 or \$6.10 per member for the past year. Nevertheless, I believe that A.P.E.M. should take a greater interest in the affairs of C.C.P.E. There is not always unanimity among the provinces insofar as what activities C.C.P.E. should or should not become involved in, and I believe that A.P.E.M. should work hard within C.C.P.E. to ensure that the benefits of our membership in C.C.P.E. are commensurate with the cost. With this in mind, I intend to discuss with A.P.E.M. Council the possibility of appointing a small Committee to assist our C.C.P.E. Director in our many dealings with C.C.P.E.

At the first regular meeting of the new Council, the "Mentor Program" was discussed at length. This was a program whereby a Professional Engineer would be assigned to monitor the work of an engineering graduate in a situation where the engineering graduate was not working under the direct supervision of a registered P. Eng. The program was discontinued a short time ago, primarily on the basis of legal advice received as to the potential liability incurred by the volunteer "mentor". Unfortunately, this did nothing to solve the problem for the engineering graduate who finds him or herself in the dilemma of trying to gain proper engineering experience as required for registration while in a work situation where there is no super-

vising P.Eng. Resolution of this issue is a high priority and it will be discussed further by Council at its December meeting.

Following on the discussions at the Annual General Meeting a Committee of Past Presidents has now been formed to review a number of issues raised at the A.G.M.

I recently addressed a group of fourth year Engineering students at the annual A.P.E.M. student reception, and spoke to many on an individual basis. The pessimism which was evident with regard to employment prospects was disconcerting. These are very difficult times for the graduating engineer. I also met recently with a representative of Canada Manpower who suggested that an organization such as A.P.E.M. might become directly involved in working with Government on strategies to assist unemployed engineers. This is not a function which falls under A.P.E.M.'s mandate under the Act and Bylaws; however, I intend to discuss this matter with Council and explore the ramifications of A.P.E.M.'s becoming more involved in this area.

Further on matters not "directly" of concern to the Association; several years ago I recall a debate within A.P.E.M. as to whether we should strictly be a licensing and regulatory body under the terms of the Act, or whether we should also be a "self-interest" organization. As I see it, the overall tendency of the A.P.E.M. has been more in line with the former rule, although we do engage in some minor "self-interest" activities. It is interesting, however, to compare our outlook with that of some of the other provincial Associations. The New Brunswick Association, for example, engages in active and on-going discussions with the provincial gov-

ernment on such matters as economic development, new technology development, and government funding of specific programs having impact on the Engineering Profession. I believe there is considerable food for thought here; we are living in a very rapidly changing society and the role of the A.P.E.M. in that society must be re-evaluated and perhaps redirected from time to time if we are to continue to meet the changing needs of our members.

President Bob Foster



R. R. (Bob) Foster was elected President of the Association by Council at the recent annual meeting. Prior to his election to Council in 1980 Bob served on several A.P.E.M. Committees — Social, Bulletin, Public Relations, Annual General Meeting, and C.C.P.E. He came to Council with a wide and diverse background of experience in Association affairs, and he has broadened that experience during his three years' service on Council, one year on the Executive Committee. He was the unanimous choice of Councillors for the post of President.

Bob's objectives are to continue to give top priority to the mandate to

protect the public of Manitoba, to enhance the image of the profession, to maintain high standards of excellence in engineering and conduct, to conduct an open administration, to foster (no pun intended) good relationship of Committees to

Council and to each other and to discharge the affairs of the Association in a businesslike and professional manner.

These are worthy objectives and they deserve the support and encouragement of the membership.

Give Thanks for the Dedicated

As Roger Kane pointed out in his editorial in the annual meeting edition, a lot of effort is put into Association affairs by committee members.

The work of the Practice and Ethics Committee is serious and arduous. Among its ranks are three past presidents and three others who have served on Council. The fact that these people, who have already served the Association well and over a period of years, and others equally devoted to the profession, continue to render this specialized, dedicated service to the profession defines the nature of the members of the P. & E. Committee.

Other Association Committees are also well served by the membership. The Board of Examiners reviews academic credentials of people from all parts of the globe, the Registration Procedures Committee ensures the adequacy of policies, the Admissions Review Board reviews the nature of engineering experience of applicants, the Annual Meeting Committee arranges for that event, the Sports Committee plans a golf tournament and curling bonspiel, the Legislation Committee studies the Act and By-laws, the Awards Committee deals with the Association's awards, the Consulting Engineers Committee is concerned with matters pertaining to consultants, the

Professional Development Committee considers continuing competence and professional development, the Salary Schedule Committee handles salary surveys, the Social Committee plans social events and the University Liaison Committee acts as liaison between the Association and the University.

Most of the members of Council have served many years on Committees before election to Council. Members of Council must be prepared to put in long hours on Association affairs, sometimes attending a 7-8 hour meeting after a day's work at their places of employment. There is a great deal of homework for them to do. They bring to Council their varied experience and expertise. Like all Committee members, Councillors pay for their own parking.

The Association is very fortunate in having principled, generous, altruistic, caring members, willing to make so many personal sacrifices in order to contribute to the welfare of the engineering profession and the public of Manitoba the profession is charged to protect. The best way to thank those who serve so faithfully is to follow the examples they set in the maintenance of high ethical standards, professionalism and genuine concern for the welfare of the public whose trust is in our hands.

The Great White North

As I write this, I am pulled back to a former time and situation although the environment is the same. Once again as many years ago, I'm sitting in a principal's office.

But it's summertime and school along with the staff are on holidays. This certainly isn't like the last time I was in the Big Guy's office.

This spot is a little different because it is located in Thompson and is 500 miles away from my old schools.

Thompson, carved out of wilderness and built on nickel, is a complete surprise after a day's drive north from Winnipeg.



I found a new friend in Manitoba's No. 3 city and he is Robert Cotterill, P. Eng. who has recently relocated from the Yukon to serve as City Engineer. I spent some time with Robert between his civic duties and golfing engagements (would you believe two rounds of golf in one day?).

Mr. Cotterill had some fairly strong comments concerning the A.P.E.M.

His first comment was really a question of why his registrations in Alberta and the Yukon would not make it possible to become registered without writing the A.P.E.M. exam. Perhaps the exam ensures that all members of A.P.E.M. have a basic understanding of the rules under which they practise engineering? In any case, the old problem of easily misread or misunderstood exam questions was raised and a rewrite apparently cleared the path to A.P.E.M. P. Eng.-hood.

Robert then made the comment that although he had not read the Bulletin, he had heard that our journal was not one of the better things produced by our Association. I immediately suggested that any and all contributions would certainly be appreciated by the Bulletin Committee (after all they even print my stuff).

If he's not already busy enough, Robert expressed his desire to see the formation of a local chapter of the A.P.E.M. and hopefully bring some of the local annual dues home to more positively serve local engineers.

I believe we will be hearing more from our new Mr. Robert Cotterill, P. Eng., much to the benefit of our Association.

—J.L.

Council Meeting

October 17, 1983

The meeting was called to order by President Dave Cross with only two Councillors absent. It began with the usual points on the agenda, Approval of the Minutes as corrected and the Minutes of a Special Meeting. Council approved as a group the Licenses, Engineering Graduates, Registrations and Reinstatements with only a few minor questions being raised. The Accounts were also approved.

The next order of business arose over a company called Pitts Engineering. It appears this company has existed in Manitoba under this name for approximately 30 years and while they have Engineers located in other provinces, none are in Manitoba. It therefore would appear that they are in contravention of the Engineering Act. Council wondered out loud how this omission could have existed for so long without our knowledge. The simple answer was that they were not obvious since they do not advertise as engineers in the yellow pages nor had anyone registered a complaint, and it was only because this firm had a merger which caused them to come up in the Manitoba Gazette that the name became known. Council voted to advise the company's legal advisor that they were in fact contravening the Act and they would like to see a name change.

Council discussed the formation of an Ad Hoc Social Committee to

be formed whose purpose is to plan and run a Spring dance. Various names were mentioned and these people are to be contacted and the Committee struck.

A letter from a member of the A.P.E.M. who was serving notice of a motion to the Annual General Meeting created much discussion. What was at issue was that the motion did not seem to be of a topic that the A.P.E.M. by its charter could do anything about. Nevertheless it appears that any motion made by anyone so long as due notice is given must be accepted. Council therefore concluded that this aspect must be looked at in our by-laws so that motions that come up at the Annual General Meeting would be within the context of the A.P.E.M.

Council expressed a wish to have the necessary arrangements made so that a Student Reception could be held as near as possible to November 21.

A question on transferring of retired members was referred to the Legislation Committee for their review.

The A.P.E.O. is running a Salary Survey and Council decided to go along with it. They discussed having the results published in the Bulletin.

A report on the progress of the plans for the Annual Meeting was made. It was reported that Barry Rowley is the Chairman of the Committee and all the major bookings

and plans were in place with no problems.

Evan MacKenzie was appointed as the A.P.E.M. representative to sit on the Dean of Engineering selection committee.

Council adopted revised terms of

reference for two committees, the Admission Review Board and the Nominating Committee.

At this time the pizza arrived and I was excused and the balance of the meeting was to be in camera.

—R.A.K.

November Council Meeting

The first meeting of the new Council began with President Bob Foster calling the meeting to order at 3:35 p.m. Everyone including the two new lay councillors were present.

Bob opened the meeting with a general outline of the rules under which Council is supposed to operate. This was heavily punctuated by his assurances that the object was get a job done and not

follow blindly certain rules. However a general adherence would be best for all parties to achieve the desired effect.

With that said, Council moved quickly through the house-keeping points on the agenda, approval of same, the adoption of the previous meeting minutes, approval of licenses, engineering graduates, transfers, registrations, reinstatements and the accounts.



Outgoing President Dave Cross turns the gavel over to Incoming President Bob Foster at the Annual General Meeting.

It was announced that E. A. Speers, P. Eng. had been appointed as Secretary and Registrar to the A.P.E.M. on a monthly basis until a committee selected to seek a permanent appointment could find a replacement. The committee will consist of Ian McKay, Dave Cross, Evan MacKenzie, Bob Foster, Frank Roberts and one member designated from the committee of past presidents.

A date was set for a hearing surrounding the actions to be taken for a member who was found guilty of a criminal offence. Members of Council are to attend this meeting on January 4, 1984.

A long outstanding question was raised surrounding the Mentor Program which currently is in a semi-inactive state pending a whole bunch of legal and ethical sortings out. Each member of council is to give this further consideration for extensive discussion at a future meeting.

A letter was received from E. E. Lach, P. Eng., Chairman of the Legislation Committee who stated that no special status (fee) should be levied for a full member who wants to return to school. It is the Committee's opinion that such a member can resign in good standing and then later reapply or he could retain his full membership but anything in between was recommended against. Council did not agree with this and sent it back to Committee with a recommendation we make such a provision.

Fred Jost, P. Eng., was appointed by Council to serve on the Faculty Council of Engineering at the U. of M. Also to serve on this Council as the A.P.E.M. delegate will be the Chairman of the University Liaison Committee.

Council approved a date for the

1984 Annual General Meeting which will be October 26, 1984.

Finally the Registrar and General Manager made some presentations on some necessary additions to the office for more effective work areas. He was charged with getting some costs and given tacit approval to go ahead with reasonable items.

Hard to believe but the meeting ended at 7:00 p.m. —R.A.K.

Specification Users Course

The Winnipeg Chapter of Construction Specifications Canada will once again offer a Specification Users Course. The course is designed for support staff of Contractors, Sub-Contractors and Suppliers who prepare bids, and the support staff of Design Agencies who prepare contract documents.

The course will be given on Monday evenings starting January 23, 1984. For further information telephone 477-5291.

Spot & Grit

A well-adjusted person is one who can play bridge or golf as if they were games.

A national park ranger cautions visitors against feeding the animals. He explains that the deer grow accustomed to visitors' handouts and lose the ability to fend for themselves. Bears, he observes, come to believe that free food is their due and become grouchy and violent if they don't get it. Chipmunks and squirrels congregate where handouts are plentiful. Thus the balance of nature is completely upset.

Is there a lesson here for people and their governments?

—Spot & Grit

Engineer, Scholar, Gentleman

Jack Hoogstraten, P. Eng.

The passing of Jack Hoogstraten on November 11, 1983, removes from the Association a respected, esteemed, admired and dearly loved member.

Jack Hoogstraten was renowned for his teaching ability. He revered teaching, and did it, as he did everything else, with dedication, discipline and humility, tempered with his own special brand of humanity. He imparted his keen interest to his students, sharing with them the respect and fascination he had for engineering.

Jack Hoogstraten's service to the Association was exemplary. He was President for two years and was on Council for eleven years. What was best for the Association was paramount in all his endeavours. He was made an Honorary Life member of the Associa-

tion in 1975.

Jack Hoogstraten excelled in all the areas he touched — family, engineering, teaching, friendship, service to the profession and to the community. The Association extends its sympathies to his wife Margaret, always a source of support and comfort for Jack in all his endeavours.

Jack Hoogstraten left large footprints across the history of this Association, footprints etched with integrity, decency and fair play. Anyone who was taught by him, worked with or for him, had him for a friend or counsellor, was enriched by the experience. This Association can best honour his memory by carrying on the high standards in engineering, of ethical conduct, of selfless, dedicated service and of the humanity that he epitomized.

—D.

Public Works Canada Analysis and Design of Fallout Protection

January 30—February 3, 1984

For Professional Engineers and Architects and those eligible for registration. The course will teach practicing engineers and architects the analysis and design of fallout protection. It will include nuclear weapons effects, principles of radia-

tion attenuation and design and analysis techniques for determining the radiation protection level of simple and complex structures.

This course has been awarded 3.0 CEUs by the EIC.

Travel and accommodation fees will be paid by the Government of Canada. For course instructions and application forms contact Director of Training and Education, Federal Study Centre, P.O. Box 40, Arnprior, Ontario, K7S 3H2, (613) 623-4227.

The Annual Meeting

Dave Cross opened the annual meeting with three announcements — that Oulton Rogers had resigned as General Manager and Registrar, that Mrs. Dunklee had been on sick leave for a month, was back to work part-time and had expressed her desire to phase out into retirement, and that Dr. Glenn Morris had withdrawn his name from the ballot.

Those elected to Council were J. M. Fulton, B. D. Norrie, R. A. Kane and E. W. J. Clarke. Those appointed to Council under the new Act are Dr. Gwen Kalansky and Marshall Haid, M.R.A.I.C.

Those nominated to the Nominating Committee were J. B. Rowley, K. J. T. Kjartanson and A. M. Lansdown. A motion on nuclear arms was tabled.

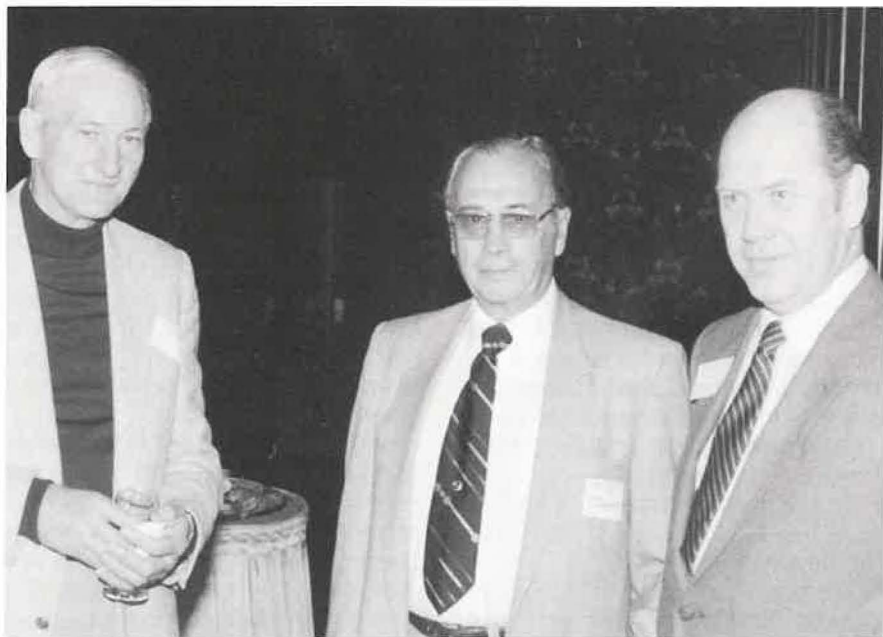
John Evans brought greetings

from C.C.P.E., Bob Savage from Alberta and Oscar Hanson from Saskatchewan.

Bob Foster was elected President and announced that a Committee of Past Presidents would be set up to "review the problems raised at the 1983 annual general meeting and to meet with Council thereon; and that the Committee of Past Presidents recommend such action and make such reports as it sees fit."

Major Charles presented the Canada Northlands Development Award at the luncheon. Details regarding other awards may be found elsewhere in this edition.

Dr. Ken Adam spoke after the luncheon on "Voyage to Antarctica," giving those present a very illuminating and entertaining insight into that part of the world.



(left to right) Charlie McIntyre, Tom Weber and Charlie Bouskill at the Annual General Meeting.

Awards

Four awards to deserving recipients were presented at the recent Annual General Meeting Awards Luncheon.

Robert William Menzies received the Merit Award for his outstanding contributions to research and scholarly activities and for his pioneering achievements in the fields of motor design and control and systems applications.

Radhey Mohan Mathur received the Merit Award for his outstanding contributions to research and scholarly activities and for his pioneering achievements in the fields of energy conversion and electrical machines and systems.

Douglas Robert Grimes received the Outstanding Service Award. The citation read, in part: "Since transferring to Manitoba in 1959, Doug Grimes has given the Association forty-three years of dedicated service. He has brought a wealth of experience, generously flavoured with wit, to all his undertakings."

Clyde Ross McBain received the Outstanding Service Award for a "cumulative total of thirty-five years' service in the twenty-five years since his registration."



After 43 years' service to the Association this is how one looks.

New Wording on Seal

When the new Engineering Profession Act was proclaimed in August it provided that every member registered under the new Act would be issued a seal, the impression of which shall contain the name of the member and the words "Registered Professional Engineer, Province of Manitoba."

All members registered since that date have been issued seals with the new wording.

Members registered prior to August 1983 may retain the seal issued to them at the time of their registration and continue to use it. If,

however, a member registered prior to August 1983 wishes to have a seal with the new wording he may do so. Members wishing to have a seal with the new wording, "Registered Professional Engineer" may obtain one by contacting the Canadian Stamp Co. at 1422 Notre Dame Avenue, Winnipeg, R3E 3G5, telephone number 775-8953, and arranging to pay for the new stamp directly with Canadian Stamp. Canadian Stamp will contact the Association to verify the membership of anyone requesting such a stamp.

Past President Dave Cross

It was a year of considerable accomplishment, the main achievement being the passage through the Legislature of a new Engineering Profession Act. Dave sat in a very hot Committee room with Bob Foster and Solicitor Wells Peever while the Act went through the final Committee stage prior to its being proclaimed.

It was also a year in which the Association put an end to deficit financing and operated with a surplus that went to restore sagging reserves.

There was also the move of the premises, which is an upheaval, requires a special meeting and takes time.

The Terms of Reference of all Committees were reviewed and new Terms of Reference were ap-

proved by Council and forwarded to the Committees on a trial basis.

Dave represented the A.P.E.M. at the Ontario, Saskatchewan and Alberta annual meetings and at C.C.P.E. where he is now the Director.

He devoted a great deal of time and energy to the Association's business, and did it in spite of the fact that during the year he opened his own business.

In his June message he wrote about the image of the professional engineer. At the annual general meeting in October Dave Cross did a great deal to enhance that image. He handled a very difficult annual meeting in a calm, fair and professional manner, under extremely trying circumstances.

Thanks Dave.

Professional Engineers' Wives Association of Manitoba Program 1983-84

November 29/83

Cocktails and Hors-d'oeuvres
Winnipeg Squash Racquet Club
Speaker — John Ferguson,
General Manager,
Winnipeg Jets
(Schedule permitting)
Husbands welcome!

January 24/84

Luncheon — Mandarin
Restaurant — 613 Sargent
Northern Chinese Cooking
Demonstration
Hu Wong, Owner

February 28/84

Luncheon — University
Women's Club, 54 Westgate

Speaker — Karen Johnson,
Curator of Botany,
Museum of Man and Nature

March 27/84

Dinner — Hollow Mug — with
our guests
The Big and Little Sisters in
co-operation with the
International Inn

April 24/84

Luncheon — Hotel Fort Garry
Annual meeting
Barbershop music by
The Prairie Sound

June 4/84

Golf, Bridge and Luncheon.

Don't Get Mad, Get Even

By J. Lucas, P. Eng.

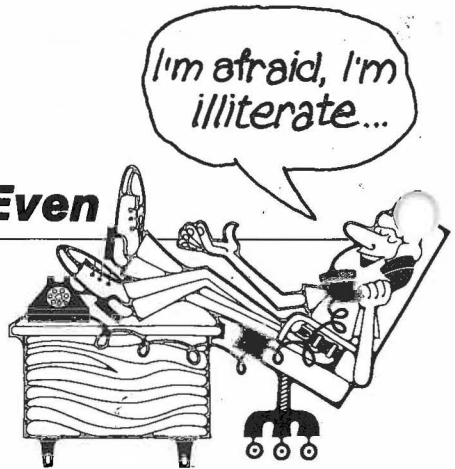
My confreres and I were gathered at our A.M. caffeine interlude the other Monday and the topic of telephone soliciting was tabled for abusive discussion. Complaint after complaint was laid bare. Cries of privacy invasion and even the disturbance of marital bliss flowed forth with absolutely no opposition. It appeared that no one had developed or even discovered the world of telephone improvisation or "Telimprov" as I like to call it.

Instead of feeling put upon whenever the telephone's ring introduces a new salesperson, the opportunity should be grasped with childlike abandon. What a gift; what a windfall; a veritable wonderland where wit and whimsy run free with fancy unencumbered by fact or reality.

I've finally flipped out, you say? O.D'd on my own moustache?

Belay that thought until I've laid bare a sampling of the telephone delights which seem to endlessly offer themselves for our pleasure.

Our local tabloids repeatedly run phone polls (not the same as hydro poles) to boost circulation. When I was uneducated in such matters I thought it was very nice that people would ask if I were receiving their particular brand of journalism and after finding out that I was, ask if I were pleased with the service. But, dummy me, I finally realized after the eleventy-seventh check-up that these were random calls and the moon-lighting phone person didn't



really care how I liked the paper after he or she found out I wasn't about to add another circulation point to the system.

The initial spark — how dare they bug me in the privacy of my home while I'm reading their paper!! But Ghandi-like, I figured, don't get mad, get even. From that point I lay in wait for 'T-Day.'

Sure enough a pleasant phone voice asks if I receive the "Winnipeg Newspaper."

"No, I'm afraid I don't," I respond, while spinning cartwheels.

"Well, sir, this is your lucky day. We have a special offer that includes 49 free issues, a slice and dice machine, a free Canadian flag, two bottles of Red River water and some genuine Winnipeg snow!! What do you think of that, sir?"

"Sounds perfectly wonderful," says I, baiting the trap.

"Well then, may I sign you up sir?" responds the fly's voice.

"I don't really think so," I reply in Spider banter.

"But why no, sir? It's a very limited offer that you should really take advantage of, sir!"

"I'm afraid, I'm illiterate," I say straight-faced, vindicating years of

wasted telephone questions. All wiped clean by simply creating a world of smoke. Cruel, you may say? But whose purpose does it serve to ask why I do not want their paper. It should be sufficient that I have stated that I simply do not, and the reasons should remain my own. It is their function only to offer papers for sale and not to electronically investigate my life.

In any case this is getting too heavy. If you're still with me let me give you another prime stage for telemania — the dance school. These characters are real beauties. They start at square one assuming everyone wants something for nothing. I'm sure you've heard the line many times. They offer five free dance lessons if you can answer a skill testing question.

The questions are all set up for people with intelligence levels far below my own double digit level. If you've ever lasted this far into the telephone voice will ask you:

"What is the capital of Canada, sir?"

To which the standard reply should be "Toronto."

This reply usually initiates a prompt, something like "No, sir, it's a little further east."

"Uh, Montreal?"

"I'm afraid that's not quite the answer but can you tell me the capital city of Manitoba, sir?"

"Saskatoon, I think."

"Well sir, can you complete this phrase, "United States of"?"

"Oil Producing and Exporting Nations?"

By this time you have been slotted into the evolutionary scale between toasters and hairnets by the Phone Voice and the final question will come straight out of Romper Room and you will have to give a reasonably close answer or incur



Wanted!

Reporters, to work on the Bulletin. Challenging work. Free lunch. Experience an asset but might be a shock to the Committee. Please contact the office if you are interested.

the wrath of Phone Voice. After receiving lavish praise for your mental talents you will be invited in to take advantage of your unbelievable windfall. To pull the pin on this one act melodrama you only have to ask if they have wheelchair access. For some reason, the Phone Voice seems to imagine, because you are asking, that you must be confined to a wheelchair. This is the time for restraint as you listen to the telephone voice trying to extricate everyone from the unrealities of the moment.

Cruel again you say? A tinge perhaps. Delightful? Undeniably so.

But what are the rules to be followed when someone uses the phone (which you pay for) to interrupt your free time (which you've worked for) to try to sell you something which you obviously care not to acquire.

I don't know all the answers — only the ones I need for the next Phone Voice.

Bursaries

At its recent annual meeting the Professional Engineers Wives Association voted to increase each of its three annual bursaries for engineering students to \$400.00. In addition, a special \$600.00 bursary will be awarded in honour of the 75th year of the Faculty of Engineering. Engineers' Wives bursaries have been awarded to deserving engineering students each year since 1954.

Curling Bonspiel

Tuesday, January 10, 1984
Guaranteed
four 6-end games

New Act

Copies of the new Act are available in the Association office, and a copy will be sent out to any member on request. Some of the provisions of the new Act require revisions to the by-laws and the by-law revisions are now being studied by the Legislation Committee. Once the by-laws have been amended to conform to the new Act members will be provided with a copy of both Act and by-laws.

Federal Program

The Catalytic Seed Fund program is designed to stimulate and encourage participation in international collaborative science and technology projects that offer potential economic benefit to Canada. For further information contact P. E. Lawrence, P. Eng. at 949-4312.

Lay Members

Dr. Gwen Kalansky and Marshall Haid (Architect) have been appointed as lay members to the A.P.E.M. Council. Dr. Kalansky has deep roots in engineering as her Father is Ray McQuade, one of this Association's Merit Award winners.

A recent issue of Folio, a publication of the Institute of Chartered Accountants of Winnipeg, indicates that Austin P. Rathke, P. Eng. has been appointed a lay member of the Institute's Council.

Postal Service—Flash

Jim Hotchkiss, P. Eng. reported that he received the August Bulletin, properly addressed, on November 17. Instead of the aborted 10 cent greeting card service the inside postal workers could consider giving us better service as a 'gift' for each 32 cent stamp.

Brandon News

By R. Menon, P. Eng.

Recently I was drafted to be the Brandon correspondent for the Bulletin. I was mentioning to Loreen at the A.P.E.M. office that Blake Maxfield had left my name off his April '83 column. So she suggested that I write my column and set the record straight.

You see, Blake, although I had been commuting between Thompson and Brandon from Sept. '81, officially the move was made in August '82, when I was appointed Chief Engineer with The Manitoba Water Services Board. I know that George (Stewart) and you would like to forget me, because of my superior bridge playing!!! Honestly, I do miss Thompson and all the A.P.E.M. members and families I met through the Thompson Duplicate Bridge Club.

The Manitoba Water Services Board presently employs five other professional engineers. Les Ciapala, Mike Tokarz and Wayne Slack are the design engineers. Les is here, by way of Winnipeg, Gimli and Steinbach. Wayne, who grew up in Brandon, couldn't wait to get back. Dave Shwaluk formerly of Dauphin is the Maintenance Engineer. Recently Vince Shih joined the Board as Chemical/Process Engineer. Vince, formerly of Winnipeg, came back to Manitoba by way of Vancouver and Kisumu, Kenya where he had been on a CIDA assignment for the past two years.

In August '83 the Manitoba chapter of the Nova Scotia Tech (now known as the Technical University of Nova Scotia) Alumni held a reception at the Westin Hotel to meet the President of the Univer-

sity, Dr. Calligan.

It was well attended, although I will never understand how George Pratt gate crashed and passed off as Honorary Alumnus.

I would like to request all Engineers in Brandon and surrounding areas to forward any news or comments for this column to me by phoning either my office (728-0053 or 727-1917) or home (728-6500).

Technical Articles

The Bulletin has received a technical article called "Energy, The Engineer and the First Law," written by a member of the Association. It is currently the policy of the Bulletin not to publish technical articles. However, we are pleased to make all such articles available to interested members. Any member who would like to have a copy of this article may procure same by requesting it from the Association office.

Employment Bulletin

1. Jobs in ship design, turbines, floating structures, etc. Saint John Shipbuilding & Dry Dock Co. Ltd., Saint John, New Brunswick. A program that could last up to 18 years. Contact Ron Pollard or Howard Erb at the above company.
 2. A Production Engineer — Mechanical — experienced, "of the old school," not a prima donna, versatile and flexible. This is a very challenging position. Resumés to No. 132 A.P.E.M. Office.
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Fanciful Figures

The world of fancy is always a lot of fun, while the world of figures can be fascinating. A blend of the two — fancy figures — is a whole greater than the sum of its parts.

The wildest and maddest fancy figuring I can think of is Unemployment Statistics. Statistics is, by itself, the presenting of facts in a way to produce the desired results regardless of the information at hand. A simple example is the wine glass which may be either half full or half empty.

Adding the politician's nemesis "Unemployment" to the world of statistical flim-flammy produces a spanking-new universe beyond the looking glass. What a field day for numerates throughout the country! A heretofore unexplored territory ripe for tabling, plotting and graphing.

Just think of the permutations, combinations, the untold number of ways of stacking, restacking, shuf-

fling and dealing from the deck of a million-plus lives!!

But such is the world of the number gatherers. They are harmless and helpful when left to themselves. The fun and fancy start when it comes time to present facts in a palatable manner to the ever-critical public. The first flim to be flammed was of course the old "Seasonal Adjustment." Now what the fiddle-dee-dee does that mean?

Just because we expect more unemployment during the winter months, the actual numbers are reduced accordingly. I can't understand why we can't expect a nice round million unemployed which can then be subtracted from the real number, thereby effectively eliminating unemployment from our country. Maybe it isn't so simple. Perhaps the unemployed contract from winter's cold can account for partial persons being recorded in UIC computer banks.

Neverthefurthermoreover, the



Honorary Life Member J. L. Charles (centre) flanked by Outstanding Service Award winners Doug Grimes and Clyde McBain at the Annual Meeting Awards Luncheon.

country appears to accept this situation as normal and even much more, furthermore, to accept 90% employment as a fact of life.

What is next?

Convert to metric unemployment calculations!!

Edition Number 37 of the Canadian Council of Professional Engineers Engineering Manpower News was devoted to Unemployment. The article includes eight bilingual pages with six tables and 780 numbers which may give some idea of the scope of the information included in this report, the bulk of which is derived from the Department of Employment and Immigration.

One of the tables breaks down UIC active claimants by engineering disciplines and province for the fourth quarter of 1982. Some of the provinces listed include Newfound., Nova S., Saskatch., and O.C. Listed disciplines range from Aeronautical to Petroleum. All of the figures are depressing but one would expect them to be above board. But not everyone is as easily flamboozled as I (thank goodness for that!). We have in our ranks that rare type of personality which does not readily swallow the daily barrage of condensed pap from contented calculations. Our own Ted (Scoop) Speers has dug into the facts behind the facts and has discovered the previously undisclosed science of metric unemployment calculations.

The tip of the iceberg can be seen by examining the number of chemical engineers listed as active UIC claimants in Manitoba. The reported figure is 4 and our Mr. Speers points out that this figure corresponds to the number of Chemical Engineers registered in Manitoba.

However, the reality of the situation is that all four people are, in fact, working and are therefore not UIC claimants. This means that, under the new metric unemployment system, a base value of 4 is used for 0 unemployed under the imperial number system.

This seems easily understood until trying to calculate what a value of 2 or 3 means under the new system. Perhaps 1 or 2 of the listed engineers are under-unemployed which translates into over employed in the old system.

If a negative based, 4 null unemployed calculation is the root of unemployment reporting, it becomes intriguing to surmise what happens when the old "seasonally-adjusted" adjustment is applied. I think we'll find that we have more people reported as unemployed than populate our country.

*Joe Lucas in conjunction
with Scoop Speers*

Everyone Loves a Winner

This is a short story about the virtues of faith and perseverance and also the realities of life.

On a recent trip to the Thompson Stock Car Races, my attention was grabbed by one car in particular. Unlike the remainder of the pack, No. 6 was obviously inferior. There were no sponsors' names or emblems, the tires were almost bald and the body was covered with dents and rust instead of multi-hued graphics like his opponents.

But the driver!! His face had the set of a Roman gladiator and forehead victory was evident to anyone who chanced by poor No. 6 which looked more like a demolition



Merit Award Winners R. W. Menzies (left) and R. M. Mathur with their wives during Annual Meeting festivities.

derby drop-out than a serious contender at the Thompson Stock Car Races.

Never the further moreover, this underdog favorite was a true fighter from the drop of the green flag. Years of dirt track experience were evident in each sliding, flat-out corner and down every heck-bent-for-leather straightaway. Every opportunity was grasped, every error or miscalculation by the field was turned into instant advantage by the inferior car with the superior driver. The driver who was more driven to win than any two drivers in the hot dusty oval stadium.

The sun-drenched man and machine showdown was a testimony to the latent spirit of all mankind. Forty laps of gambles, thrusts and parries, jostling and juggling for position; endless striving to overcome almost insurmountable odds; toiling with a handicap in a field of thoroughbreds. A real life

drama with villains and hero alike played out in anti counter-clockwise complexity.

The final curtain came as afternoon shadows of nearby pine trees slowly fingered across turns one and two. That Holy Grail of racing, the checkered flag was finally unfurled. And the crowd favorite No. 6? He came across the finish line dead last because, after all, he did have an inferior car. —J.L.

CONGRATULATIONS TO GARY FILMON, P. ENG.

Professional Development Survey

Don't forget to fill out the questionnaire mailed to you with this Bulletin.