




**THE  
MANITOBA**

**P**ROFESSIONAL  
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WINNIPEG, MANITOBA, FEBRUARY, 1976

## President's Message

By C. R. BOUSKILL, P. Eng.

I would be remiss if I did not take this opportunity to express our thanks to Doug Grimes for his willing devotion to the duties of President of our Association over the past fourteen months. As you know, Doug's term of office was extended by two months due to the postal strike. We wish him well as he relinquishes the duties of President.

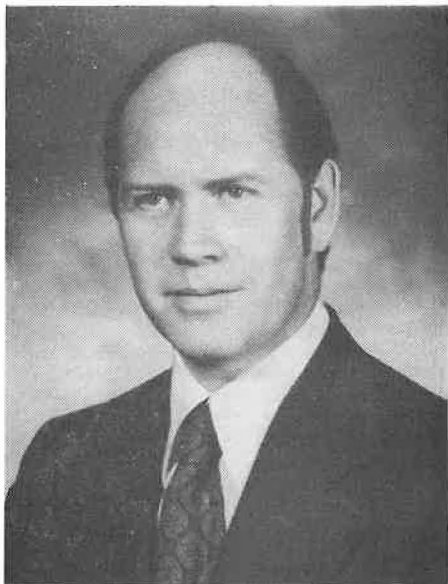
At this time I would also like to congratulate Gordon Denson, Andy Gilliland, Ted Glass and Allan Moffatt on being elected to your Council. On behalf of the remaining Council Members I extend a welcome to these members, particularly to Gordon Denson who was elected to Council for the first time, and to Andy Gilliland who returns to Council after an absence of one year. We sincerely hope that Jack Crawley, Dick Johnson and Jim Sinclair will accept the challenge to be candidates for Council on some future occasion.

Your 1976 Council started its term of office by meeting with a number of the Committee Chairmen immediately following the close of the continuation of the Annual Meeting on January 22, 1976. I am sure the members of Council, and those

members of the Association who attended this meeting, will have a better understanding of the work being carried out by these Committees. A number of suggestions for changes in the terms of reference of the Standing Committees were presented. These suggestions will be considered in depth by Council at subsequent meetings. I wish to thank the Chairmen of these Committees for their informative reports and their constructive suggestions.

On December 2, 1975, your Council met as an Administrative Tribunal to hear a formal complaint submitted by Wilmar H. Finnbogason, P. Eng., acting on behalf of the Practice and Ethics Committee. A report of the results of this Tribunal is enclosed with this issue of the "Professional Engineer".

It is expected that 1976 will be an active year for your Council and Committees. Council, with the assistance of some Committees, is currently reviewing proposed revisions to "The City of Winnipeg Act". Information concerning possible changes in the Manitoba Labour Legislation, as issued by the Honourable A. R. Paulley, is also currently under review to



President C. R. Bouskill

determine the possible effect of these changes on the Engineering Profession. There are also indications that revisions to the Professional Acts may be considered in the not too distant future. Your Council is also considering this matter.

A number of members have expressed concern about the image of the Professional Engineer. It is freely admitted that the Profession of Engineering is not as well known or understood as are other professions such as Medicine or Law. However, I believe this presents each of us with a challenge to take an active role in improving conditions in our community and thereby showing our neighbours what Professional Engineers are, and what we can do for the betterment of society.

I am honoured to have been elected President of our Association for 1976. I believe it will be a year of challenge and hope we can join in meeting this challenge together.



Canadian Gas Association technical conference, October 17, 18, 19, 1977, in Montreal. Direct inquiries to 55 Scarsdale Road, Don Mills, Ont.

Information on overseas assignments with CUSO may be obtained from 201-460 Main St., Winnipeg.

## COUNCIL MEETING REPORT JANUARY 12, 1976

By A. J. PALMER, P. Eng.

With the commencement of the new year, a change in Bulletin Committee assignments resulted in the Committee's neophyte member being charged with the responsibility of covering Council Meetings. Continuing an occasionally observed tradition of the past, the report of Council's first 1976 meeting is dependent for accuracy upon, and has been prepared from a review of, the minutes of that meeting.

As members are generally aware, Council meetings follow a fairly standard format commencing with the previous meeting's minutes, accounts paid during the previous month, granting of licences, transfers, registrations, reinstatements, and enrolment of Engineering Graduates. Since announcements with regard to Council decisions in these areas are generally reported elsewhere in the Bulletin, it will be the purpose of this column to concentrate on discussion of what may be regarded as the highlights of other business dealt with by Council.

A considerable portion of the business of the January 12 meeting related to enforcement and to labour and salary matters. In other areas, the Council approved the termination of the Research and Development Committee as a standing committee of Council, and approved the transfer of the Association's bank accounts from the Bank of Montreal to the Grain Exchange Branch of the Royal Bank of Canada. In addition, Council appointed G. A. De Pauw, P. Eng., to the CCPE National Committee for Salaried Engineers.

The terms of reference for the Committee establish it as "a vehicle for consideration of the philosophies related to Provincial salary schedules". Within this, the Committee is to consider programs or activities of national scope related to salaried engineers and to exchange information on Provincial labour legislation and Labour Board rulings as they relate to salaried engineers. Travelling costs of Association representatives attending the meetings are assumed by the participating Associations, while the CCPE services the Committee and provides meeting facilities.

The enforcement issue that once again came before Council regarded the use of the title, Chief Engineer by an individual not registered under the Engineering Profession Act as an engineer. Since the matter originally arose last fall, Council has taken

steps to have the use of the term discontinued. The matter remains unresolved at press time but it demonstrates the role the Association plays in enforcing the terms of the Act.

#### *Government Proposes Labour Changes*

In response to material received from the Honourable A. R. Paulley, Minister of Labour, regarding possible changes in the Province's labour legislation, Council moved to create an Ad Hoc Committee headed by F. A. Jost, P. Eng. to investigate these possible changes as they may affect Professional Engineers. The Minister emphasizes that the proposals contained in his paper are not yet Government policy but rather, indicate in general terms the labour legislation currently being considered by the Manitoba Government. The purpose of the paper is to obtain comment from interested parties to assist the Industrial Relations Committee in formulating changes to the present Manitoba Labour Relations Act which would be proposed to the Legislature.

Of particular interest to the Ad Hoc Committee will be the Minister's comments on changes to the coverage of "professional employees" under the Act. The paper states that the intention of the changes is to facilitate the certification and determination of bargaining units involving professional employees. To achieve this it is proposed that professional employees be defined as only those persons who are "actually practising their professional skills in their regular employment".

In cases where more than one profession is included in a potential bargaining unit, it is proposed that members of each profession be allowed to determine for themselves whether they will be included in the bargaining unit.

Many of the changes suggested by the paper are clearly intended to simplify present cumbersome administrative procedures in the Act. Others, however, suggest that the Act will be modified to strengthen the position and rights of the employee, and to expand the powers of the Manitoba Labour Board. The Board would be given additional powers currently held by the courts to determine unfair labour practices and to award compensation to a person whose rights have been interfered with by an unfair practice even though he may have suffered no tangible loss. Unfair practices would also be extended to include infringement on any of a person's rights under legislation other than the Labour Relations Act (e.g. the right to time off

to vote under The Election Act).

It is proposed that the present rule requiring 35% support of a proposed or existing bargaining unit to initiate certification or decertification procedures may be changed to require at least 50% support.

One proposal would extend the 90-day freeze on wages and working conditions that is presently imposed upon granting of certification. Feeling that this period may not be long enough to conclude a collective agreement or conversely, to revoke the certification, and feeling that after the present 90 days, the employer may "unilaterally alter working conditions and thereby undermine . . . negotiations" the paper proposes to prohibit any changes (including strike or lockout) whether they be to the employees' benefit or not until the agreement is concluded.

In another area, consideration is being given to extending the definition of the term "dependent contractor" if in fact this should include persons other than drivers of trucks and other vehicles.

There is also a proposal that The Vacations With Pay Act be changed to require that an employee actually work at least 50% of the regular working time in at least four years before he may qualify for the three-week vacation with regular pay in his fifth and subsequent years of employment with an employer.

In other business that came before the Council for information, A. Dean Gould, P. Eng., President of the MHPEA, expressed the thanks of the Manitoba Hydro Professional Engineers Association for the financial support extended to them by the APEM in their recent court action against the Manitoba Labour Board and MHEA (CUPE). In his letter, Mr. Gould emphasized that the APEM's action had strengthened its image among the 300 engineers in the MHPEA.

The meeting adjourned after 2 hours and 50 minutes at 6:50 p.m.

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#### **GEORGE DE PAUW**

In 1974, after George De Pauw became President, the Bulletin said of him: "The Association's new President is one of an almost extinct species — an individualist . . . He is not swayed either by oratory or what is going to be popular. He operates according to the dictates of his own conscience and in Association matters he does what he believes is best for the public, the Association and its members . . . He

has the courage to fight for unpopular causes and he confines any differences in which he is involved strictly to the issues. He does not let them spill over into personalities and his broad shoulders carry such a load of work there is no room for grudges."

Members of the Association responded by electing George to Council three times, the last twice with more votes than anyone else on the ballot. George's term as Past President has now expired and he is no longer on Council. Normally this might be a time to write an eulogy, to express our appreciation for all the time and hard work, the energy, the vitality and the kind of determined pioneering spirit that is George's, and to wish him well in his retirement. But George is not typical, and while we certainly do appreciate the tremendous and tireless contribution he has made and we do thank him, we also look forward to his continuing efforts. It is not possible to think of George as having retired. He will continue to take a keen interest in protecting the public of Manitoba and in the well-being of the members of this Association.

Naturally we do wish George well in his retirement, but we hope he won't be heading into it for another three or four decades.

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## COUNCILLOR ANDY GILLILAND

Andy was born in London, England and received his primary and secondary education there. He then emigrated to Canada to study Civil Engineering, graduating from Queen's University in 1961.

On graduation Andy joined Commonwealth Construction in Winnipeg in their Roads and Paving Department advancing to the position of Manager of that Department.

Andy joined Supercrete in 1966 and is presently their Prestressed Concrete Marketing Manager.

Andy and his wife Edith were married in 1962 and have two children, Bill 13 and Jim 5.

Andy has been involved in various committees in the Winnipeg engineering community in the past being Director of MANSCETT and serving on the MANSCETT Certification Board, EIC 1975 Congress Committee, APEM Employee Engineers Committee, Legislation Committee Chairman, CCPE Convention Committee,

and on Council in 1973/74. He has represented the Association on the Manitoba Building Standards Board, is presently President of the Canadian Prestressed Concrete Institute and a Member of the Council of the Winnipeg Builders Exchange. Andy is also a member of the Materials Science Committee of the Manitoba Research Council and is a Member of Council of Queen's University (a 6-year appointment).

In his spare time Andy enjoys swimming, canoeing, tennis, cross-country skiing and snowshoeing.

WELCOME BACK TO COUNCIL,  
ANDY.  
—A.D.R.

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## COMPLAINT

As Chairman of the Practice and Ethics Committee of the Association of Professional Engineers of Manitoba, W. H. Finnbogason, P. Eng. was required to file a complaint against Ivor Thomassen, P. Eng. to the effect that Mr. Thomassen was guilty of unprofessional conduct under Section 26(1) of The Engineering Profession Act. Mr. Thomassen pleaded guilty, was censured by Council for his actions and required to pay the sum of \$500.00 toward the cost of the hearing. A detailed report is enclosed with this issue of the Bulletin.

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## 56th

## ANNUAL GENERAL MEETING

By R. C. ISAAK, P. Eng.

The long arm of unionism reached into the annual meeting and set up the need for a two part meeting. The 6 week postal strike in 1975 delayed the balloting for new councillors and Doug Grimes was forceably required to continue as president until January 22, 1976 before he could be relieved by Charlie Bouskill.

Over 200 registered engineers attended the first of two parts of the 56th Annual Meeting. The meeting proceeded smoothly through the annual reports as if the energies of all were being saved for the big afternoon of recommended salary schedules and organized engineers groups, or maybe they were all waiting for lunch. Which ever, the morning session, although very necessary for any organization, was uneventful except for the announcement that the Declaration of Councillors Elected would not be made because of the postal strike.

Engineers have been accused of being less than 100% suave and the confusion at lunch with more than 80 engineers deciding they would like to stay for lunch at the last minute maintained the engineers' record. The hotel coped, to its credit, but we engineers must realize that there are other people in the world and failure to plan "AHEAD" is not an endorsement for our profession. The lunch was excellent.

The lunch was highlighted by the presentation of several well deserved awards. Life Memberships were awarded to Jack Hoogstraten and Ray Williams, both most deserving for their many years of service to the Association. Myron Musick was honored with a well deserved Outstanding Service Award for his many years on the very important Board of Examiners. In these years when numerous applications are being received from landed immigrants the task of assessing the credentials from many different Universities is a difficult job and Myron has done this very well.

Pat Feschuk was also a worthy recipient of an Outstanding Service Award. Pat served on numerous committees and a term as councillor and many members remember his selfless serving on the Bulletin Committee.

For only the fifth time an Award of Merit was presented to a member of the Association. Carson Templeton was left speechless by the beautiful phrases inscribed on the award. This reporter might be considered biased but the accomplishments read out by Clyde McBain as he presented the award are real and Carson is deserving of the award.

Greetings from E. C. Garland, President CCPE were presented with flair and a number of witty stories including the one about the hanematic engineer.

The afternoon session of the annual meeting was begun with four presentations by representatives of four organized engineering groups. Dean Gould laid out the story of the struggles of the Manitoba Hydro Professional Engineers with the Labour Board. The story of the Winnipeg Association of Professional Service Officers was presented by Bob Harasyn. For the Manitoba Telephone System Engineering Group Nick Fedorchuk placed some of the difficulties of dealing with management on the table. Finally Reg Blackman presented a brief history of the struggle for recognition the Organization of Professional Engineers Employed by the Province of Manitoba were having with their employers

and the Labour Board.

The subject matter was meaty but the discussion was slow in starting and no real issues were brought out before the meeting moved on to Salary Recommendations. This reporter had to leave the meeting at this point and it is left to others to describe the action for the remainder of the afternoon.

The reception, dinner and dance were most enjoyable. The Social Committee and the Fort Garry Hotel are to be complimented for providing a most delicious dinner of lamb chops, a feat this writer did not think possible after having eaten innumerable dinners of roast beef at the Fort Garry. There was no walking on water at the dance but the music flowed sweetly and the engineers, their wives and guests had a most enjoyable time.



## ANNUAL MEETING - EXTENSION

A brief extension of the Annual Meeting was required due to the delays caused by the postal strike affecting the returns for the election of new Councillors. The incoming successful members were declared as Andy Gilliland, Gordon Denson and Allan Moffatt, with Ted Glass becoming Vice-President and Charlie Bouskill, President.

A note of thanks for many jobs well done was given to retiring George De Pauw.

Following the formal part of the evening, which terminated with the oaths of office and transfer of the gavel, Committee Chairmen were invited to give brief reports and comments relative to their specific terms of reference. Myron Musick reported on the Board of Examiners, Ray Scouten on the Admission Review Board.

As the general meeting was attended by fifty-two members, there was no great push at the bar and the sandwiches left over would have fed the Bulletin Committee for several meetings.

Some interesting discussions took place over Community College registration; the language requirements for registration and if a European engineer who might be asked to upgrade in one or more courses before registration, instead of following this route, decided to take and completed a Masters in Engineering at our University would he then be eligible for registration without further ado. And on what grounds do we accept Honours Geology but not Honours Chemistry or Honours Physics.

Fred Jost, P. Eng. was invited to prepare a dissertation on his Committee's study of the proposed changes in the Act on Professionals. Vigilance is the price of Freedom. Fred Jost's article appears in this issue.  
—E.A.S.

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## ANNUAL MEETING ASIDES

An Annual Meeting held during a mail strike is not something to be soon forgotten either by the Association staff or that of the Fort Garry Hotel.

One thing appears certain. If the members don't know what's in store for them they will turn out in much larger numbers than when they have all the intimate (and other) details. The registration desk and the hotel staff were in a flurry of activity as noon hour approached and about twice as many people showed up as had been anticipated (and as was normal). Some kind of minor miracle was wrought with the loaves and fishes and there were enough rolls and goldeye to go around all but a very few members who were reluctantly turned away when we ran out of chairs and tables.



Carson Templeton, receiving the Merit Award from President Doug Grimes at the Annual Meeting.

Ted Speers and John Lewis did a superb job of dashing about town with notices prior to the meeting and as a reward Ted's number was drawn for the early bird draw. John's reward comes every morning at 7 a.m. as he jogs around the track at the Y.M. and watches the pounds and inches (or kilograms and kilometres or whatever) slip away.

A highlight of the meeting was the presentation of a bright orange scarf to George De Pauw by Ted Speers on behalf of the Bulletin Committee. George has provided the Committee with a lot of good copy,

including the story of how he won the curling bonspiel by borrowing Wayne Stewart's good luck orange scarf. Both Wayne and the scarf have been moved to Regina (the Annual Meeting and Social Committee efforts will never be the same without Wayne) so it seemed fitting that George should have his own good luck scarf. Doug Grimes was also the recipient of a fine award. Readers may remember the earlier story of how Doug was set upon by hoods in the Toronto airport. It was a complete surprise to Doug to be attacked because he thought the hoods were only punching elderly ladies in their fifties. His eye was black and puffy, his teeth were loosened and for some time Doug hardly looked like his usual pleasant self. In order to protect him from any future attacks George De Pauw presented Doug with a face mask, which he can wear when travelling in foreign countries like Toronto.

Once again Craig Sommerville and Tom Weber proved that they had more stamina than most because they lasted the longest at the dance.

Roger Mills, who translated himself from the Employee Engineers Committee to the Annual Meeting Committee just before the meeting has successfully passed his probationary period. He undertook the tedious jobs of the newest member to that Committee without flinching — he carried in cases of mix, single-handed (except for on the stairs where he used two hands) and he acted as bartender for the out-of-town distinguished guests, and of course, as everyone knows, the rules of bartending prohibit sampling of the wares.

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The meeting adjourned until January 22, to give the post office time to distribute the ballots. As one astute critic remarked the only bright spots of the adjourned session were the usual witty comments made by John Lewis and the presence of the two young ladies from the office. However, not too many people yawned through it all as there was barely more than the required quorum present. Members of Council sat at the head table up front looking very distinguished and wide awake. There was a noticeable change in Douglas Grimes after he had handed the gavel over to Charles Bouskill. Doug leaned back in his chair, relaxed, smiling, making witty comments, obviously enjoying his foray into freedom from so much responsibility. He has well earned whatever grazing privileges he gets, but they won't be many because as George De Pauw pointed out

there are many roles carved out for the Past President. Doug is far too young and enthusiastic to go out to pasture anyway. Someone suggested that he be recruited for the Social Committee and make the rounds again through it to Council and the Presidency. He's living proof that the adage that 'nice guys finish last' is a lot of hogwash.

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### AN ABBREVIATED REPORT OF THE ANNUAL GENERAL MEETING

On 75/10/28 APEM held their AGM (Pt. 1) beginning at 10:00 A.M. Guests were present from APEO, CCPE, APES, APEA, APEBC, EIC and Mr. Q. from the P.C.'s. The P.O. strike delayed regular business. Instead discussion centred on \$ led by OPEEPM, MTS, WAPSO with asides from FESA.

On 76/1/22 APEM held their AGM (Pt. 2) beginning at 8:00 P.M. The New President was elected and immediately demonstrated his skill as chairman by rearranging the seating at head table. Wide ranging discussion included SESCI, U. of Man., MLAs, ESP., NDP, W & PRB, KKK, etc.

Many members were AWOL no doubt wintering in B.W.I.  
—K.M.J.

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### AD HOC COMMITTEE ON LEGISLATION

In December, 1975, a document entitled: "Information Concerning Possible Changes in Manitoba's Labour Legislation" was released by the Hon. A. R. Paulley, Minister of Labour. The intent is to ask interested parties their opinion of the present Manitoba Labour Relations Act, as well as to solicit suggestions for changes in the present legislation.

These suggested changes would then be considered by the government. In due course, an opportunity would be given to those concerned to express their opinions to the government and to the Industrial Relations Committee in advance of any proposed legislative changes.

A copy of this document was mailed to the APEM office, and Council was quick to recognize the implications of the proposed legislative changes to the Labour Relations Act for the entire Engineering Profession.

In order to be prepared when the time comes, an Ad Hoc Committee on Legislation was struck by Council with the sole objective to review the government proposals and advise Council of possible amendments which could be submitted to stave-off legislation detrimental to Professional Engineers.

Present indications are that an attempt will be made by the Labour Board to recover most of the legal grounds lost during their recent confrontations with the Manitoba Hydro Professional Engineers both in Court of the Queen's Bench and the Court of Appeal.

Amendments to the Labour Relations Act will likely be presented to the Members of the Legislative Assembly which may change the interpretation of certain sections in such a manner as to make them virtually impervious to legal rulings. Such amendments may appear harmless in their individual context, but once in effect may render a section of the Act to be all encompassing in intent.

This could be the case with amendments which would stipulate in explicit terms the definition of a "professional employee" for instance, or a ruling requiring outside parties to satisfy the Manitoba Labour Board, rather than the courts in a dispute.

There are numerous other subtle changes proposed which may, once enacted, become major obstacles in safeguarding the democratic rights of Professional Engineers.

The Ad Hoc Committee on Legislation has commenced to identify these pitfalls in the government document, develop proper counter proposals based on sound legal advice and after deliberation will suggest to Council a course of action to be taken on the amendments to be introduced.

The composition of the Ad Hoc Committee reflects the interests of the engineering community and all larger groupings have been represented. Committee members are: A. D. Gould, P. Eng., R. A. Harsyn, P. Eng., C. D. MacLeod, P. Eng., J. P. Stefanson, P. Eng.

F. A. JOST, P. Eng.

Chairman

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The bilingual policy is making so little headway that we can no longer even understand the English that is emanating from the not-so-wise men of the east.

## THE ENGINEERS' SECURITY BLANKET

Intensive research is being conducted on how engineers make decisions. If this process is understood, engineers can be controlled. Accountants, politicians, architects, and environmentalists all want to know the secret of how to control engineers.

So the Bulletin, at great expense, hired a hatcheck girl (sexy), a beer parlor waiter (bilious) in an emporium near a utility company office, and an engineer's secretary (utilitarian).

The studies are incomplete, but one factor has come out loud and clear. Engineers are not the wild, beer-drinking, carousing, bulldozer type mentalities they are painted to be. They adopt this stance to cover their insecurity.

You probably didn't know that an engineer is really Charlie Brown's friend Linus who requires a security blanket.

Engineers carry briefcases to hide their insecurity and in vain try to show to others they are important people about to make a momentous decision. The decision is really whether to go to the bathroom before or after lunch. The 'dry look' on their faces completes the masquerade.

Our research has shown that the bigger the briefcase, the more security is provided to the wearer, and the less likely the contents will ever be looked at. Previous generations used to use overtime work in the office as their security blanket and show their dedication to work. However, this was found to be ineffective because the office is empty 10 seconds past closing time and there is no one to see whether a person is working overtime or not.

The hatcheck girl investigator has determined, although she is thoroughly checked out, briefcases are seldom checked in. It would appear that the reason for the former is lost in the annals of biological engineering and the reason for the latter is that the engineer needs his security blanket to get from the hatcheck counter to where he is going. Because of this latter reason alone, private clubs who frown on people toting briefcases into their hallowed sanctum sanctorums are going broke. Engineers seldom venture into these places, because how would they get from the washroom to the bar without a briefcase?

In her survey of the contents of briefcases, the engineer's secretary has turned up some interesting facts. The secretary,

having polled her fellow person Fridays, found that briefcases containing papers or files which are laboriously taken home every night are merely ballast in the security blanket. They are never opened.

One secretary placed a note on top of the files of a loaded briefcase that was taken home every night. The note read: "My wife is a pig." Three weeks later, when the secretary retrieved the note, the engineer who owned the briefcase had neither a black eye nor a divorce, which proved conclusively that the briefcase had not been opened. The secretaries did, however, find that some briefcases were opened. These were the ones containing such items of life support systems as Playboy magazine, a mickey of rye, lunch, rubbers (for the feet), and instruction sheets on the use of slide rules. One enterprising engineer regularly takes a dictating machine home in his briefcase. When his wife and children are within earshot, the dictator shouts invective into the machine, slaying his enemies. His secretary, who has been spared the verbal barrage, has to laboriously type out this bravado knowing full well it will be edited into an incomprehensible bland blob of words before it is sent off. The tape, however, gives the dictator a tremendous sense of power and accomplishment while it is being carried around in his security blanket.

When the decision-making process is fully researched, further reports will be written.

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## SHED A TEAR FOR HOT STOVE DOUGLAS

There is a good deal of pathos in the story of Hot Stove Douglas. An elderly bachelor, he habitually whiled away his afternoons cronying at one of the few remaining all male beer parlors. He could swear and tell lies. He could get the earthy accounts from the active farmers, hear the erotic exploits of the young blades and tell them how it was in the old days. How comfortable it all was.

Recently the management replaced this venerable institution with a mixed beverage room and Hot Stove Douglas hasn't been seen since.

We have no way of knowing whether he feels discriminated against in this matter or not but it seems clear that the change in atmosphere caused by the presence of women was not acceptable to him.

Some anthropologists say that the urge

within men to congregate with other men is inherited from thousands of centuries of life where men went out together in groups to hunt or to defend the tribe. When these activities became less common the need was satisfied by going to work, by joining curling or golf clubs and by going to the beer parlour.

Now that women have infiltrated all these activities, and have decreed that it is discriminatory to create new all male domains men are reduced to having secret meetings in the men's room or starting another war to satisfy their ancestral yearnings.

—K.M.J.



## CCPE NEWS

By R. R. FOSTER, P. Eng.

### Canadian Engineers' Award

On November 13, 1975, the Honourable Otto E. Lang, P.C., M.P., Minister of Transport, presented the Canadian Engineers' Award for 1975 to Mr. J. Alphonse Ouimet, Eng., Chairman of the Board of Telesat Canada. The presentation was made at a special Gold Medal Award Dinner held at the Holiday Inn in Ottawa. Mr. Ouimet is the fourth recipient of this Award.

Commenting on the award winner, Council President, Eric Garland, P. Eng., Fredericton, said "Mr. Ouimet is most deserving of the 1975 Award, having been, throughout his illustrious career as an engineer, researcher and senior administrator, one who has made a great contribution to the interests of the engineering profession and of the Canadian public".

The Canadian Engineers' Award was created in 1972 to uniquely honour and confer distinction on outstanding engineers in this country and to recognize exceptional achievements in their chosen fields. Previous award winners have been Dr. R. F. Legget, P. Eng., Ottawa, Dr. R. M. Hardy, P. Eng., Edmonton and Mr. W. M.

Armstrong, P. Eng., Vancouver.

### Director of Specialized Services Appointed

CCPE has announced the appointment of MR. JACQUES DICAIRE, B.Sc.A., ing. as Director of Specialized Services. Mr. Dicaire obtained a degree in electrical engineering from the Ecole Polytechnique in 1972. He is a member of the Order of Engineers of Quebec (O.E.Q.), of the Engineering Institute of Canada (E.I.C.) and of the Institute of Electrical and Electronics Engineers (IEEE).

### CCPE and "the Guidelines"

On November 17, 1975, Eric C. Garland, P. Eng., President, Canadian Council of Professional Engineers, advised the Prime Minister that the engineering profession in Canada supports the Government's decision to establish controls designed to combat inflation. Mr. Garland indicated that the Council fully appreciates the need for strong government action to curb the adverse effect of the present inflationary pressures on the Canadian economy. As a segment of Canadian society aware of its ethical and social responsibilities, he said that the engineering profession is fully prepared to co-operate with the Government.

However, in his communique, he noted, "The Council has reservations concerning the detailed guidelines and the ability of government to ensure that they will be universally and equitably applied, and urges governments to set the example by curtailing immediately their own expenditures which have contributed significantly to inflation and to withdraw controls as soon as the objective has been reached".

### Conversion to SI (Metrication)

January 1, 1978 has been designated as "M-Day" for the Canadian construction industry, i.e., the date after which tenders will be called substantially (but not exclusively) in rationalized metric (SI) terms. It is expected that M-Day will be followed by a transition period of some 2 years during which time progressively more truly metric products will become available.

### Key target dates includes

January 1976 — Conversion of quantities and dimensions to start for National Provincial Building Codes.

January 1977 — N.B.C. 1977 edition available and provincial/municipal amendments and revisions.

January 1978 — Request for metric tenders.

February 1978 — Start of construction components available.



Past President Douglas Grimes (left) and Awards Committee Chairman Clyde McBain (right) with Ray Williams and Jack Hoogstraten, who received Honorary Life Membership at the Annual Meeting.



The activities of Roger Mills (left) since he joined the Social Committee are enough to make Councillor Walter Saltzberg's hair stand on end, while Fred Jost (centre) looks on to see if Walter can wiggle his ears too.

## THE PURPOSE OF THE A.P.E.M.

Lately, numerous groups of people in this Association have expressed a growing concern about their lot in life. Since approximately 85% of the membership in the A.P.E.M. are classed as Employee Engineers they have turned to the Association looking for help with their frustrations in dealing with their employers. This is the cause for much concern and it is, I'm sure, quite clear that we all have a major stake involved in the feelings of such a large group of our membership.

In spite of this, however, it is time now for us to establish exactly where we as a group are headed and what we are going to do. Our Council apparently has made a few unilateral decisions on their own which will have long term consequences and it is important for us to understand the implication of these decisions. Specifically, in the last few months they have authorized the expenditure of \$3,000.00 from general revenue to assist the legal battles that engineers have encountered recently. The groups were the Manitoba Hydro engineers who received \$2,000.00 and the Province of Manitoba another \$1,000.00. This is a fairly high expenditure and I do not think that in lieu of the terms of reference originally given to engineers in our Charter, that this is justified.

The fundamental concept of the A.P.E.M. is to ensure the standard of the membership is high and no one does anything to ruin the high standard expected. In other words, we as a group of peers will judge the qualifications of each person applying for status as a P. Eng. and ensure it is at a certain level and that the integrity of each member remains high.

Deviations from this are not justified. I realize that my argument may sound a little like talking about Motherhood but it is important for all of us to understand what A.P.E.M. membership means. A member of the A.P.E.M. will maintain a certain ethical and professional standard. Failure to do so means he must answer to his peers as constituted by the general membership of the A.P.E.M.

The selfish interest of the engineer has to be recognized, however it can not be done so by the A.P.E.M. without exceeding the boundaries as defined by our Charter.

I have stated many times in the past that I am opposed to a self-interest group through the Association and this in fact is the feeling of the general membership

when we consider the response given to the questionnaire sent out last year on this subject. Our Council has made an arbitrary decision in giving out this money since it clearly is against the basis of the A.P.E.M. and the wishes of the general membership. (i.e. Questionnaire) If a legal status of employee engineers at Hydro and the Province is important to them, then it is their own responsibility and not the general membership's.

The irony of the whole matter is that we were surcharged \$10.00 to pay for the Practice and Ethics Committee which really is the reason for our being. It is my hope that Council will be more aware of the intention of the A.P.E.M. and refrain from exceeding our mandate. Future deviations such as this can only dilute our high esteem in the community and the real strength in our membership  
—R.A.K.



## THOMPSON NEWS

By B. E. MAXFIELD, P. Eng.

Looking back in my file, I see that the last column I wrote was back in May 1975. It appears that vacations and the mail strike have interfered since.

In that column I noted that Thompson was making a bid to host the 1979 Canada Winter Games. The residents of Thompson made a very determined and excellent effort to acquire the games for our city but in mid-January the games were awarded to Brandon. While we wish Brandon every success in hosting the Games, our failure in not being awarded the games has come as a great disappointment to the citizens of Thompson. The recreational facilities that would have resulted from the games are sorely needed by this northern community and by the surrounding area.

Continuing the program introduced in 1974, with the support of the Association and The International Nickel Company, two Thompson members of the A.P.E.M. and their wives had the opportunity of attending the A.P.E.M. Annual Meeting in Winnipeg, November 27 and 28, 1975. This year Roy and Eve Bue and Norm and Sylvia Peters attended the meeting. Roy is Inco's Chief Mines Engineer and Norm is the Chief of Design and Construction Engineering in the Engineering Department. This is an excellent program that is making it possible for northern members to participate a little in the activities of the Association and I hope that it can continue.

The Canadian Institute of Mining and Metallurgy (C.I.M.M.) is the largest and most active technical association in Thompson. They have monthly meetings at which prominent speakers present topics of interest to the industry and community of Thompson. Of particular note is a now annual program of oral paper presentations by junior members of the Local Branch of the C.I.M.M. This is a competition and prizes are awarded to those papers judged to be the best. The last oral paper night was held on October 16, 1975, at which time the following papers were presented:

1. Diamond Drilling by A. Baldwin, Inco T-1 Mine Exploration
2. Matte Leaching in the Thompson Refinery by A. Von Heyking — Inco Refinery Process Technology.
3. Trends Towards Mechanization in Pillar Mining by M. Mracek — Inco T-1 Mine Operations.
4. Fabrics in Nickel Refining by A. Singhal — Inco Refinery Process Technology
5. Criteria for Sound Enclosure Engineering by R. Wisniewski — Inco General Engineering.
6. Lining of Bored Raises at Thompson Mine — Possible Future Trends — by R. Zimmer — Inco T-1 Mine Engineering.

Alex Von Heykin won first place in the competition with his paper. R. Wisniewski and A. Singhal were runners up. The first prize winner received a set of polished sulphide bookends. In addition, Inco will sponsor the winner and the two runners up, if requested, to present their topics to other C.I.M.M. chapters located throughout Manitoba, Saskatchewan and North-western Ontario.

The following have recently been registered with the Association: Denis Shar-Kong Fung, A. D. Murchie (Inco — Senior Engineer, Mechanical) and B. E. Hadfield (Inco Mine Engineer — Thompson Mine).

The following are recent appointments at the International Nickel Company in Thompson: M. A. (Smiley) Hallam returned to Thompson in April 1975 to the position of Supervising Engineer, Civil and Construction in the Engineering Department. A. H. Richardson was appointed to the position of Superintendent, Mill and P. Claridge was appointed Assistant Superintendent, Mill, November 1, 1975; B. B. Clements was appointed Supervising Engineer, Mechanical in the Engineering Department effective January 1, 1976.

If I have missed anyone either in registrations or appointments, it is entirely

unintentional and is likely the result of information not being available to me. In this regard, I would like once again to ask all Thompson and area members of the Association to forward to me any news items of interest to help make this column as representative as possible for our community. I am particularly interested in any reports from those not working for the International Nickel Company. Reports can be phoned to me (Home 677-3766, Office 677-5280) or sent to: 223 Westwood Drive, Thompson, Manitoba.



### PETER CAIN HONOURED

At the fall convocation of the University of Manitoba an honorary Doctor of Laws degree was conferred on Peter Cain, P. Eng., in recognition of his distinguished service to that University.

Mr. Cain was appointed to the Manitoba Research Council and in 1968 as a government appointee to the Board of Governors of the University. He served on the board for seven years and as chairman from 1973. His strong leadership was important during this difficult period at the University.

Mr. Cain graduated from Queens in 1943 in Mining Engineering. He served in the Canadian Navy during the war and then worked in mine exploration and development in South Africa. In 1955 he joined Sherritt-Gordon Mines Ltd. at Lynn Lake where he spent the next twenty years. He rose from Mine Superintendent to Vice-President and Director of the company.

The Association is proud of the accomplishments of Peter Cain, P. Eng., LL.D.  
—K.M.J.



### BRANDON AREA COMMITTEE 1975 REPORT

By E. TYMOFICHUK, P. Eng.

The Brandon Area Committee held three functions during the calendar year 1975. In April, Professor R. E. Chant presented a most interesting slide presentation on "Solar Energy in Manitoba" at a well-attended dinner meeting. In June, President D. Grimes and T. Algeo were present at a luncheon meeting at the Red Oak Inn. The third function, a dinner meeting, was held recently in November. As Brandon has bid for the 1979 Canada Winter Games, Mr. P. Hudy, City Councillor, let the group in on some insight and perhaps inside infor-

mation. With no malice to the Selkirk and Thompson Engineers and residents, we are hopeful of a successful bid and trust that all Professional Engineers and Associates will support the Winter Games wherever they may be.

On a more serious note, the Brandon Area Engineers have become somewhat apathetic in recent times, as demonstrated by their attendance or should I say lack of attendance. Sometime early in the New Year we will be holding a "smoker" to determine the direction that we ought to take to rekindle interest, participation and activity.

We will report on results in future bulletins.

P.S. - Brandon has been awarded the Winter Games.

♦ ♦ ♦

### HOW TO CURE A COLD AT A BULLETIN COMMITTEE MEETING

1. Drive from office to vicinity of Chamber of Commerce Building; drive around area for twenty minutes looking for parking space; drive back to office.
2. Walk to Chamber of Commerce Building.
3. On arrival at Bulletin Committee Meeting, finish off remains of Donini left over from previous day's Social Committee Meeting (?).
4. Eat one only cold r. beef san.; discuss CCPE staff appointments.
5. Start bottle of \$1.95 "porch-climber" donated by delinquent Committee Member in lieu of attendance at previous meeting.
6. Eat one only egg salad san.; discuss bilingualism and Quebec influence in Ottawa.
7. Eat three only ritz b.; discuss what (6) has to do with (4).
8. Finish "porch-climber".
9. Walk back to office.
10. Go home, take 4 vitamin C pills (for the cold), 3 Aspirin (for the headache), and go to bed. —R.R.F.

♦ ♦ ♦

### LETTERS

The Editor:

Dear Sir,

The Prime Minister has said that the marketplace is done in. Big Corporations, Big Unions and Big Government ain't re-

sponsive to the people. I agree. So we gotta change it. I agree. So what do we do? Well, I'll tell you. My friend Carl told me how.

You (I really mean "I", but it sounds better if I say "you") decide who is most gooder for society and you pay him the most. I assume that "He" should be an engineer and I assume I am probably the best so I'll take that job. Then I'll set the wages for the other engineers. I can't wait to see the expression on the faces of some engineers what I don't like when they get their wages cut in half. If they complain — Bang — off to northern Quebec they go. Managers — I don't like — they are lackeys of capitalistic pork barrels so will put them in the sewers where they belong. The new society I'll make will be run by people what agree with me — preferably those what can't read nor write. So, all will be fair, just, meaningful, and participatory.

Please send me the forms so I can get the new top job.

—Name Withheld

Ed. Note: The name of this letter writer has been mercifully withheld pending the Review Board's decision whether he will voluntarily submit to a mere 18% increase, castration or brainwashing or all three.

The Editor:

Dear Sir,

You have been taken to task by P. Shane, P. Eng. for the improper use of hybrid metrological expressions used in your horticultural item. Although your sins are unpardonable your critic has committed equally unpardonable and inexcusable errors. In his statements he has failed to observe an important characteristic of SI, the fact that SI uses symbols and not abbreviations.

One of the advantages of SI over other systems of measurement units is the fact that the symbols are mathematically manipulatable whereas abbreviations are not.

As an example,  $4 \times 10^3 \text{ m}$  can be written as  $4 \text{ km}$  but  $4 \text{ km}^2$  is equal to  $4 \times 10^6 \text{ m}^2$ , that is, the prefix symbol and the unit symbol combine to form a new symbol that is raised by the index 2. This is not an operation that is permissible with abbreviations.

Yours pedantically,

A. R. LOW, P. Eng.

Dear Mr. Shane:

You are, of course, right in outlining my versatility with unit use. All through my academic training I've had this difficulty. When you study chemistry you deal in grams, litres, etc. While in Chemical engineering you've been involved in BTU, Ft-lbs., gallons, etc. All of these courses go on at the same time. So, assuming you get your conversions right, you learn early the dual cultural aspect of our Canadian mosaic.

Of course, these days, it is fashionable to be confused.

The Bulletin Committee was interested to find, after compiling the brochure on "Me-trics and You" released last year, that some mistakes were therein. As we stated at the time the data had been directly compiled from many sources — photostated, would be more accurate. One glaring error from an "unimpeachable source" (U.S.A. official publication) had CELCIUS very prominently placed. That may be an American alternate spelling. If we publish another edition it will be all Canadian.

The article you are commenting on, "Potatoes in the Library", can be confusing enough.

You may not believe this explanation, but due to an early crop Imperial measure was used before the advent of Metric in Canada. As the crops ripened after the birth, they were reported in metric. A few days later the potato plants which were pulled early would have been reported one m in height, rather than the 40" reported.

If you plan to build a similar set-up may I suggest you allow two week-ends. The construction would be done the second week-end. The first would be spent at the lumber yard getting 5.08 cm x 5.08 cm lumber cut to the required lengths for the 0.92 m x 2.4 m structure. (Metric is coming into the building trade on Jan. 1st, 1978.)

Thanks for your interest in writing to the editor.

Yours truly, —E. A. SPEERS, P. Eng.  
P.S. Possibly hybrid measurements are suitable for horticulture anyway.

★ ★ ★

### TROJAN WORK-HORSE

At this time of year the bulletin is bombarded by requests from Colleges and Universities all over the continent to publish their announcements for seminars, short courses, conferences and continuing education. Unfortunately we haven't space

enough to comply with their wishes.

However we can't help mentioning an invitation to participate in archeological digs at Troy. "Participants will study factors in choosing archeological sites, methods of excavation, recording techniques and guidelines for interpreting findings" says the brochure.

Why should engineers be interested? The pamphlet explains that the Institute on Industrial Archaeology will concentrate on the "excavation of the ruined industrial complex in the Poestenkill gorge, Troy — the scene of 300 years of industrial activity. A dozen factories along the sides and bottom of the gorge were powered by a massive water power system based on the Poestenkill's 200 ft. fall and utilizing a man-made 600 ft. tunnel through the solid rock". This summer's excavation is expected to reveal new evidence about the technological and industrial history of Troy, New York. Details at the office for anyone interested.

—K.M.J.

★ ★ ★

### THE POT ATTACKS THE KETTLE

We've had our knuckles rapped by one of Mr. Trudeau's cabinet ministers who complained that Canadians spent more money than ever during the last Christmas season and did not heed the government's cry for restraint. This humble reporter spent only earned and available funds and borrowed nothing. I figured that the money I had left after taxes was mine to spend as I wished. I bought presents for friends and relatives and I bought some for myself, since I felt I was pretty deserving. I also concluded that if I didn't turn some of my available funds into commodities the funds would depreciate in value and the commodities would increase and at some future date I would get fewer commodities. I don't operate on a deficit. I operate on a surplus, and I put it into a Registered Retirement Savings Plan and at the rate the dollar is diminishing when I take out that money it won't be enough to buy postage stamps, even if there is any mail service. And what of the Government that is scolding us for spending our own money. It takes more and more in taxes and spends it all and piles up huge deficits. If I'd followed the government's example I'd have spent far more than I had last Christmas. Why don't they follow my system for a while, spend only available funds, save a little, and see if that doesn't straighten out a lot of our problems, and in the meantime let me run my own affairs in my own way.

—S.J.A.



## STUDENT JOBS WILL BE HARD TO GET THIS SUMMER

### WHAT ABOUT ME?

At the recent annual meeting of the APEM some of the comments heard were: "I don't even make as much as a plumber."

"We've just got to catch up to other salaries."

"Sure our salaries have gone up but not as fast as the others."

Not considered in these gems of self-centered pith is the plight of students who have neither bargaining power, money nor experience.

They aren't complaining about plumbers, traditional wage spreads, or unions. They want experience.

With a little effort, you can ensure that some students get a job this summer that will give them experience.

### WHAT ABOUT THEM?

## DRAFT LETTER TO ELIZABETH II

Dear Madame:

May we respectfully suggest that you decline any invitations you might receive to open the Olympics in Montreal in July. It appears that things will not be finished and you might have to walk around on scaffolding to snip the ribbons. Also there seems every likelihood that Mayor Drapeau will be having a baby in the midst of it all and it hardly seems necessary that you should witness this medical phenomenon. Several letters have been written to you asking you not to come, but our postal service being what it is we understand they haven't got out of the country.

We normally don't approve of letters going to you asking you not to accept invitations, but we are making an exception ourselves this time because we would prefer that you came to Western Canada. We don't have any grandiose schemes that we can't afford out here. The only scheme we are likely to come up with if things don't soon change concerns Premier Lougheed.

As you may have heard 'they' tried to draft him to go to Ottawa to clean up the mess. He declined. We have other plans for him. We may need him to become the first Prime Minister of Western Canada, which will still be part of the Commonwealth, and we would be delighted to have a visit from you at any time.

Please don't worry about us. Actually Ottawa has seemed very much like part of a foreign country for a long time and we are getting used to the idea so it won't be too traumatic for us if we do decide to secede. Meanwhile, we would suggest that you write to Ottawa and say that due to a subsequent invitation (from us) you aren't able to accept their invitation to open the Olympics.

★ ★ ★

We regret to record the deaths of J. F. Irwin, J. M. Isbister, and T. J. Pounder.