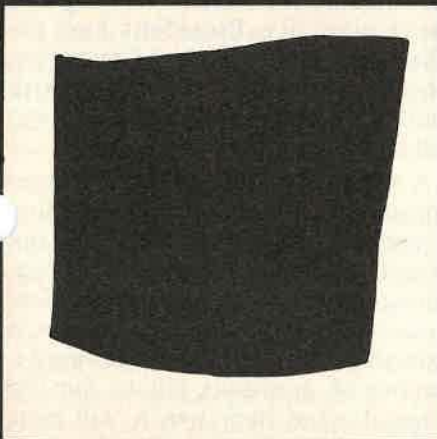
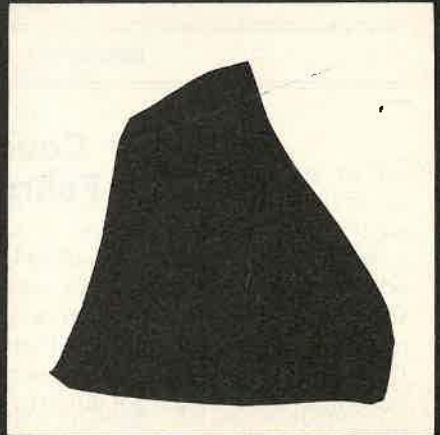


# Bulletin

April

# 79

*The  
Manitoba  
Professional  
Engineer*



Published by the Association of Professional Engineers of the Province of Manitoba  
710-177 Lombard Avenue, Winnipeg, Manitoba R3B 0W9

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

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WINNIPEG, MANITOBA, APRIL 1979

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## **Council Meeting February 12, 1979**

The full Council was in attendance when it met on February 12 to consider the usual long agenda. After a quick approval of the agenda, the Minutes of the January meeting and the monthly accounts, the Council got down to business.

There was a short discussion concerning an invitation by the Winnipeg Chamber of Commerce to have representation from the Association participate in a symposium on February 21 entitled, "Winnipeg 1999". Council agreed that the Association would do whatever it could, but will suggest that in future more notice will be required for preparation of briefs.

A number of licences, transfers, registrations, reinstatements and new graduate enrollments were approved. One request for licensing was not approved, and it was suggested that Council write to the candidate and advise him of whatever future action he

might take toward obtaining a license to practise.

The problem of accreditation of the Faculty of Engineering continues to be a major topic at Council meetings, as well it should. Following considerable discussion on what steps the Association should take next, it was agreed that no action would be taken pending the outcome of Council's meeting with the University President and the Chairman of the Board of Governors. The Chairman of the University Liaison Committee, P.A.R. Lowe, will also attend this meeting.

A delegation made up of Bob Morrison and John Malus joined the meeting to present the amended draft of the "Guide for the Engagement of Consulting Professional Engineering Services." Mr. Morrison led Council through the new draft and answered a number of questions put to him by Council. One item which will bear

further consideration, is whether this document should be issued by the A.P.E.M. or the newly formed Association of Consulting Engineers. Council will give further thought to that guide and its future impact and will discuss it further at the next Council meeting.

The Association has been requested to approve the removal of the requirement to have the Lieutenant Governor in Council approve the A.P.E.M.'s Board of Examiners. Council decided that they would prefer to leave things as they are until they can look at the entire Act in case other changes are

required. They will advise the Government of this decision.

A preliminary report on Foreign Engineering Curricula and Engineering Examinations was distributed to Council. Prior to the next Council meeting a review of this report will be made by Councillor Gilliland and M. Musick, Chairman of the A.P.E.M. Board of Examiners.

Following a short report by Councillor Lewis regarding the workings of the Legislation Committee, and having no other items on the agenda, the meeting was adjourned at 9:00 p.m. — L.F.S.

## Council Meeting March 12

This marathon meeting of Council began at 3:30 p.m. Your reporter who was pinch-hitting for someone else arrived a sociable twenty minutes late. The only points missed in the twenty minutes were the normal orders of business (accounts et cetera) and the approval of an amended agenda. While the approval to include three more items on the agenda occurred very innocently the ultimate drama of events was well hidden from this observer's view until later.

I got to the meeting to listen to the normal debate about licensing practices, reinstatements, et cetera. John Lewis kept everyone in check by referring often to the bylaws, maintaining a steady course for all.

A motion to have Council refrain from formally adopting "A Guide for the Engagement of Consulting Professional Engineering Services", was defeated. There followed a motion to amend some wording in the Guide and this was accepted as such. John Lewis rescued the consultants, since it

was found that according to the Bylaws the A.P.E.M. Council is obliged to endorse such a guide "from time to time", hence solidly causing the motion to fall into defeat and the amendments to come about smoothly.

The Manitoba Design Institute's 1980 Premier's Award is looking for designs to judge. An announcement of this is to appear in the Bulletin.

On February 23 and 24 the Canadian Accreditation Board held a meeting in Ottawa to which Walter Saltzberg went as an observer. His observations came back to Council with a very detailed outline of what went on. It was approved by Council that Walter continue to "observe" as long as the uncertain status of the University of Manitoba remains.

### Reports

1. Practice & Ethics. This report was deferred pending a full report which is due.
2. Ad Hoc Committee to review the Code of Ethics:

Ken Jardine submitted an interim report which in essence showed that this Committee is up to its eyeballs trying to define a workable framework. They meet weekly and are going very slowly. Ken was instructed by Council that they have to set a deadline by next meeting.

Council ratified the composition of the Consulting Engineers Committee, and the Social Committee.

President Dick Johnson spoke briefly on the Annual general meeting of A.P.E.S. held in Saskatoon February 15, 16. Saskatchewan, particularly Saskatoon, is in for some very expansive programs and a boom is predicted.

A Committee still exists which is reviewing the possible realignment of positions between the A.P.E.M. and Manscett. This is a long and complicated process since both sides appear to have a very large stake in the matter. To date certain things have transpired both in and out of Manitoba and to try to clarify the A.P.E.M.'s position a resolution of Council was passed stating that the membership be informed on the state of the on going discussions.

There was a break somewhere along the way where the comment of the evening was overheard. John Lewis, who probably talks in his sleep of the evils of smoking, was overheard discussing vices in general. His comment was "I have no vices, and were I to have any I wouldn't enjoy them anyway". With that the members returned to the table to discuss the plight of the University of Manitoba's Faculty of Engineering and its current accreditation problems.

The discussion on the matter was very long, frank and confusing. It began with President Dick Johnson in-

forming Council of some statement made regarding his possible conflict of interest, being President of the A.P.E.M. and a Provost of the University. He felt he should step down from the Chair and leave the room, typical of his high standard of ethics, and this is what transpired. In his absence Council members discussed the matter and unanimously passed a motion that "in the opinion of Council Professor Johnson's role as a Provost of the University of Manitoba has not affected his performance as President of the A.P.E.M. and Council, therefore, considers that a conflict of interest is not at issue."

With that resolved Council then discussed the subject at hand. To go over all that happened would read like a James Michener novel. What is important is that Council endorsed a position to get solidly behind any group who may want to try to pick up auxiliary money to assist the Engineering Faculty. If necessary, they even thought of spear-heading the movement.

It took a long time to say all this and the meeting dispersed around 10:00 p.m. I will do the same now. — R.A.K.

## Thompson News

By B.E. Maxfield, P. Eng.

Signs of Spring are starting to show and Summer must be close behind? For those of you planning a Manitoba vacation this year, a camping and fishing trip to the Thompson area should not be overlooked.

There are campsites and picnic areas along Highway No. 6 on the way here. Campsites and a motel/restaurant are available at Sasagiu Rapids on the Grass River at Setting Lake, 45 miles south of Thompson on Pro-

vincial Road 391. Scenic Pisew Falls is just a few miles from there.

Paint Lake Provincial Park is just 20 minutes drive from Thompson and has a campground, marina, beach and picnic area. Paint Lake has many islands and is nice for boating and fishing.

Campsites are available in Thompson as well, along the shore of the Burntwood River, close to the Thompson Zoo, and only a few minutes from shopping centres. Guided tours of Inco's surface plant are conducted on a regular basis throughout the summer months. Tours can be arranged by calling 677-5381.

Your trip to Thompson can be scheduled to coincide with our summer festival, NICKEL DAYS, which will be held this year July 13 to 15. This is a weekend of entertainment for the whole family. The highlight of the weekend is the National King Miner contest which will show you what mining is really about. Each year a KING MINER is crowned. He earns his title and a cash prize in a series of contests which test mining skills, agility and strength. The contests include such mining related events as "hand mucking", "ladder climbing", "crib building", "drilling", "log sawing", "nail driving", and "jack-leg drilling". This year, competitors are expected from across Western Canada. There will be a parade with floats and bands, music, entertainers and dancers, food and a midway for the children and the young at heart. Dances and entertainment will be held nightly. There will also be exhibits and displays pertinent to mining and other activities in the north.

Inco's 18th annual Plant First Aid Competition final was held in Thompson March 21, 1979. Teams from Pipe Mine, the Refinery and Thompson Mine competed for the Blain Johnston

Memorial Trophy. This trophy is named in honor of the former Chief of Staff of the Thompson General Hospital. The late Dr. Johnston organized and instructed the initial first aid training classes in the Manitoba Division in 1962.

Each team faced the same simulated accident situation, 3 campers mauled badly by a bear, and was allowed 40 minutes to determine the extent of injuries and administer first aid to the "victims." The competition was won by the Thompson Mine Team, coached by George Wilcox. Team members are Harry Anderson, captain, George Roberts, Paul Parsons, William Dickson, John Corbett and Stan Bartoszek.

Inco Limited recently released its 1978 Annual Report. The year 1978 was another year of unsatisfactory profit performance for Inco as a result of the decline of nickel prices to a lower level than in 1975 and the effect of inflation on production costs and expenses. Also, 1978 earnings were adversely affected by the costs and expenses of the Sudbury strike which began in September and continues at the time of writing.

Non-Communist world demand for nickel increased almost 20% over 1977 but prices continued to weaken due to the substantial over supply of finished nickel accumulated by producers. During 1978, this inventory is estimated to have decreased by more than 200 million pounds to a level of about 550 million pounds due to the high level of nickel consumption, production cut backs in the industry and the Sudbury strike. Inco's nickel inventories at year end 1978 were 230 million pounds, a reduction of 111 million pounds from year end 1977.

In 1979, company results will con-

tinue to reflect severe price and cost pressures but it is believed that 1979 may well mark the end of severe decline and the beginning of a recovery in the nickel business.

## New Dean

The appointment of Dr. Edmund Kuffel, currently Head of the Department of Electrical Engineering at the University of Manitoba, as Dean of the Faculty of Engineering has been announced.

Dr. Kuffel was born in Poland and after the Second World War he emigrated to Ireland where he earned his bachelor's and master's degrees in physics, and his doctoral degree in electrical engineering from University College Dublin. After graduation he joined the Metropolitan Vickers Electrical Company in Manchester, England, as a research and development engineer. In 1960 he joined the engineering teaching staff at the University of Manchester's Institute of Science and Technology and established the first-of-its-type graduate program in high voltage engineering. This university also awarded Dr. Kuffel a Doctor of Science degree for scholastic distinction in high voltage engineering in 1967.

In 1968 Dr. Kuffel came to the University of Manitoba's Department of Electrical Engineering. In 1970 he left Manitoba to accept an appointment as Head of the Department of Electrical Engineering at the University of Windsor, and in 1978 returned to Manitoba to head Electrical Engineering here. In the year prior to his 1978 appointment, Dr. Kuffel visited and lectured at universities and research establishments in more than six countries around the world in a program sponsored jointly by the National Research Council and the Department of

External Affairs.

Dr. Kuffel has 25 years of experience in industrial and academic research in high voltage engineering, particularly in basic and applied investigations of high voltage insulation.



Dr. Edmund Kuffel

## Coming Events

Don't forget the Golf Tournament on May 28th.

A meeting will be held in room 234 of the New Engineering Building at the University of Manitoba at 8:00 p.m. on May 9th. Dean Wedepohl will speak on "Reflections on Engineering Education in Manitoba."

Canadian Society of Agricultural Engineering/American Society of Agricultural Engineers combined summer meeting in Winnipeg at the University of Manitoba. Date: 24 - 27 June 1979. Contact J.S. Townsend, P. Eng., Agricultural Engineering, University of Manitoba, Winnipeg, Manitoba R3T 2N2.

## Garden Notes

This column is being written in March, the month that holds the first official day of Spring when we anticipate the trees becoming attired in their green foliage and the return of the robin's song and the clatter of lawnmowers. Reality presses on us as the car slips off the hardened snow ridges into the soft treacherous snow that lines the driveway trench. The cold March wind stings our cheeks as we reach for the snow shovel. Our sins of omission have caught up with us and we suffer the consequences of having to relieve the whole length of the car and then some from the grip of the white trench shoulder.

Never mind, bucko! The nasturtiums may not be peeking through the snow, but, like the poet, we find them blossoming in the mind's eye. Prepare! The heat of summer will soon be upon us, and if you hope to savour a glass of bubbly on the deck, heed this message.

Now is the time for all good men to prepare the bed and plant the seed. Time is short. The urge is long. And here's the schedule.

As I watch the snow falling again on my driveway I realize that these dates will not apply in 1979. However, the time periods remain the same. — E.A.S.

Name	Seeding Time	Germination (days)	Transplant	Remarks
Alyssum	March	4	in 30 days	Keep cool 16° C
Asters	April 15	7	in 20 days	Plant not too deeply
Coleus	March	7	in 30 days	Likes shade
Dianthus	March	10	in 30 days	Dampens off easily
Dahlia	April 15	4	in 30 days	
Nicotiana	April 1	5	in 30 days	Grows fast
Marigold (dwarf)	April 15	3	May 10	Easy to grow
(tall)	April 25	3	May 5	keep on dry side, full sun
Portulaca	March	3	April 1	Difficult for amateurs
Petunia	March	7	April	Do not cover seed sow thinly
Zinnia	April 10	2	April 15	Transplant soon as possible. Watch damping off.

## How Manitoba Engineers Cope with the Cold Winter!

Winter comes and goes every year. This is a fact of life in good O Canada and Canadians accept it. In Manitoba, where winter is a little longer (a couple of months) and a little colder (20°C), we, Manitobans, with all our imagina-

tion, have actually learned to enjoy it. That is, until this past winter. Oops, a slip of the tongue. Winter is not over yet. They just forecast 5 more centimeters of snow for tomorrow. This is after two days of freezing rain and al-

most four months of uninterrupted cold weather.

A friend told me that up to the end of February, this winter has already achieved the distinction of being the coldest in forty years, since the winter of 1935-36. It is the second coldest in this century and the 10th coldest on record. The average mean temperature from November 1 to February 28 was  $-17^{\circ}\text{C}$ , down 31% from the normal of  $-13^{\circ}$ . For the period from December 1 to February 28 it was  $-21^{\circ}\text{C}$ , down 31% from the normal of  $-16^{\circ}\text{C}$ .

Not being a statistician, I do not know what all the numbers mean. But I can tell you that this winter has been a cold one. I still remember one Sunday morning, during the holiday season, when my wife and I went cross-country skiing. It was  $-26^{\circ}\text{C}$ , but the wind turned out a little stronger than I thought, having misunderstood the wind chill factor of 1700 as being still OK for skiing. Not being an engineer, my wife quit after about 15 minutes. Wanting to show her what an engineer could do, I stubbornly fought the wind for another 15 minutes. Then I started feeling numbness in my fingers and toes. Stubbornness can sometimes be a virtue, but stupidity sure is not. So I hurried back to the car, admitted defeat, and let my wife drive me home. After I had the fireplace going and started sipping my favourite riesling, I felt an itching and burning feeling on my cheeks, my toes and you know where else. It was then that I realized how David Niven felt when he got frost bite from skiing which he vividly described in his book "The Moon Is A Balloon."

At every social gathering this winter you hear people talk about how cold it has been. Engineers are no exception. During the reception-by-the-pool hour

at the Wine and Roses Ball, I could not help but overhear how some fellow engineers tried to cope with this winter. One engineer, who used to have straight hair, said it was easy. He just left everything to his secretary and wound up spending two weeks in Orlando, Florida, learning, he maintained, about urban drainage. It was so hot in Orlando that his hair became curly. He insisted he did not have a perm. At the other end of the pool, by the fireplace, there was this guy who had a disgusting dark complexion. He told his friends that for two weeks he quit engineering and went into business. I was wondering what business and engineering had to do with winter and cold when he started explaining. He temporarily became an investor and importer. He invested into the economy of the Bahamas and imported suntans, his and his wife's, back into Canada. He finished explaining with this grin on his imported-suntan face, not unlike that of Susanne Sommers. It turned out that he was not the only engineer turned businessman. Others told of their investments in Mexico and Hawaii. Then I heard an engineer who said that he had no time to worry about unimportant things like cold winters when many people of the world were starving. Half of the winter he was busy giving seminars and courses on feedmill and grain production engineering. He went to Manilla, Singapore, Jakarta and other warm places in the Far East.

Some engineers were not so lucky. One good-hearted fellow drove his family to Texas in February for a winter break only to be stranded in Oklahoma City for two days on his way south and again in Brookings, South Dakota, on his way back, by snow storms. He insisted that he made it to Texas, had a good time, and he



had a suntan to show for it. Secretly, however, his wife told me that she found out that snow storms in the U.S. were just as bad as ours. But the sun lamps in the Holiday Inns south of the border were a lot better. They worked. Then there was this engineer who went to Mauritius in January only to be greeted by monsoons and typhoons.

This morning I talked to my engineer friend in Flin Flon and I asked him how he has been coping with the cold winter. Sounding surprised, he asked "what cold winter?" Curling four nights a week, playing bridge for the other three nights and with all the drinking in between, he did not have time to find out how cold it has been. Isn't that what winter is all about folks? — F.C.K.C.

## Licences Issued

H. G. Berger, Ont., J. V. Bor, Alta., M. E. A. Brook, N.S., M. D. Gallant, Ont., B. J. Lukes, Ont., D. J. Whicker, Alta., H. J. Neumann, B. C., H. Balodis, Ont., A. M. Banerjee, Ont.



**Al Bischoff, Sports Committee Chairman, congratulates Ed Pentland (with moustache), the best dressed curler in the recent bonspiel.**

## At the Ball

The only request this year came from Don Mills who said he did not want to be situated at a table near the kitchen, the cost of dry cleaning to remove various stains having gone up considerably. So the Social Committee cheerfully obliged him and put Don and his group near the orchestra.

The general consensus was that the food was excellent, likewise the music, and that the Social Committee must have shares in Donini. The lack of the usual entertainment was noted — where, for instance were the Spearhill twins? The Jardines were not there doing the Spearhill Polka, nor was Al Francis on hand to do his Gypsy Rondo on the table. Past Presidents, who never did win any outstanding prizes on the dance floor and may now be too old to venture out for late evening entertainment, included Clyde McBain, George De Pauw, Doug Grimes and Ted Glass.

Dave Sharpe bought the last ticket and played musical chairs on arrival. Cal Moon came in from Portage again and he certainly gets top marks for Association participation. The Malmgrens, perennial supporters of this function, were in attendance. Blair McLenaghan managed to be in town for the event (but where was Bill Mackenzie?).

President Johnson was in distinguished company (and vice versa) with University Board of Governors Chairman Ray McQuade, Past President Andy Gilliland, and the best dressed curler in 1979 and Director of Superdevco, Ed Pentland.

A search party has been sent out to look for Mike Schioler, who often shows up late to our dances because he has gone to the wrong place. We are quite worried this year because he has

never been this late before. Perhaps he is with Ken Adam, who actually had a ticket, and didn't show up either.

Dean Gould threw his weight around a bit to impress his friends (he is now a Committee Chairman) and insisted that his table get extra wine. Mabel and George Pratt wore matching white outfits, the better to show off their recently acquired Hawaiian tans. Lawrie Schmidt and Richard Piotrowski showed up in look-almost-alike Pierre Cardin suits, so they are obviously going to be trend setters in style this Spring.

Landis Krause was there, proving that he can be just as athletic on the dance floor as at the curling rink. Rudy Isaak and Walter Saltzberg represented the rest of Council in their usual dignified manner. Monica Todd, Joan McKinley and Terry Algeo represented the staff, remembering that it would be *de trop* for staff to try to out-dignify Councillors.

Ray Scouten decided against giving out his horticulture tip on using Javex on house plants (his wife having explained that it was really ammonia one should use) and instead he discussed world geography, in particular Lahore. Anyone wanting to avail themselves of Ray's lecture on Lahore, complete with slides, should make a private appointment. In spite of his ... well, let's just say the Social Committee have decided it would really not be suitable entertainment for the whole crowd at an Association dance.

Bob Sekots attended, although he should have been staying home writing us another letter to the editor. Fred Young was looking as dapper as usual.

Dave Farlinger is Chairman of the Committee in charge and all bouquets should be gift wrapped and, if edible, should be sent to the office. Any com-

plaints, including those about this article, should be sent directly to Dave. By all accounts it was a smashing success. We are sorry to have missed it. — S.J.A.

## J.L. Charles, P. Eng.

Major J.L. Charles is a Life Member of this Association and also a very deserving holder of the Association's Merit Award. He is the sort of recipient who brings more distinction to the award than it brings to him. Major Charles was born in 1892 in England. He has written an excellent book chronicling his life from the early days in England to what he refers to as "retirement." The book covers his engineering work in places as remote as Canada's north, Zambia and Brazil. He undertook his work in Brazil at the age of 82.

The book is extremely interesting (as is the author) and is very well illustrated. Major Charles has donated a copy to the Association, and anyone who wishes to browse through it may do so in the Association office. The name of the book is "Westward Go Young Man." In all that he undertakes Major Charles has been an inspiration and an exemplary example.

## New Members

The following have become registered as Professional Engineers: K.C. Chan, S.D. Graham, C.F.A. Hews, R.E. Lightly, D. Meyer, R.J. Noonan, K.H. David, K.S. Kidd, S.H.K. Lee, M. Leesti, S.R. Lipa, S.M. Matile, R.G. Orr, J. Tharayil, R.A. Smith, S.L. Baldwin, P.W. Jackson, R.H. Lennark, S. Pataran, W.D. Smith, J.W. Tuck, A. Bara, M. El-Marsafawy, S. Hatcher, J.P.W. Jakiela, J. Langelaar, B.C. Roberts, J.D. Rogerson.

## Burgoyne vs Fish

Our own Cy Burgoyne, P. Eng., captured the third largest marlin that had ever been caught on a rod and reel in the world. This was off the Kona coast of the big island of Hawaii.



In an exclusive interview with the Bulletin, Mr. Burgoyne related the 5½

hour struggle with the 1450 pound fish. Mr. Burgoyne has related fish stories before with wide open arms showing the size of the fish he has caught. With this one, he had to pace off the 16'4" length. The girth (the fish, that is) was 7 feet. By the time his story reaches Lake of the Woods next summer, it (the fish) may even be bigger.

The world record marlin was 1800# but it was caught on a 130# test line. Cy's strength (the line, that is) was a mere 80#.

With due modesty, Cy refrained from bragging about the weight of the beer he drank in the ordeal or the means of effluent disposal. The Bulletin has it on good authority that Mr. Burgoyne failed to file an environmental impact assessment before his piscatorial venture into the pisci-ecosystem — in a wilderness environment. This failure on his part may cause repercussions because the fish is no longer in a condition to sign a release. Cy will, no doubt, pay for this lack of attention to the bureaucratic niceties.

The boat engineer (the guy what drove the boat) reminisced that he was concerned that Cy might tire and be pulled overboard. "After all, that rod, reel and line is worth \$300" he said with some feeling.

The Burgoyne's no longer talk about son, Jim's, 131 pound and 68 pound Amberjacks or son, Paul's, assistance because this would detract from Cy's first true fish story.

Mr. Burgoyne did not know whether he will bring the stuffed fish to the next Annual Meeting of the A.P.E.M. — but whether or not the fish gets there, we may rest assured that the story will.

## Felons

The B.C. Courts have convicted a cartoonist in the Victoria Times of a felony or worse. The cartoonist had merely shown a minister of the Crown picking the wings off his fly.

This conviction put the editorial staff of the Bulletin in a state of organized misapprehension, because no one wanted to be called a felon with or without a fly.

Although it was recognized that none of the utterances of the Bulletin could reasonably be construed as being biased or bigoted, courts can sometimes be sensitive to flies or other environmental amenities. The staff considered firing S.J. Armstrong, but he pleaded innocent of any preoccupation with flies.

The dilemma was solved by taking inspiration from our dear, departed Editor, Ken Jardine, who has gone to his just reward: Council. He converted an ordinary political satire on '4 way stop signs' into a nationally discussed environmental impact assessment on the conservation of energy.

Hereinafter all satyres, political or otherwise, will be presented in environmental terms, complete with italicized latin words (terms), footnotes and a back-up of unpublished scholarly research. Thereby we won't be felons and you, the members, will not go to jail. — *Illegitimus Non Carborundum.*

## The Election and the Midgets

It's federal election time again, and there's a lot to think about. Seated behind desks talking to the television cameras at the constitutional conference, these various politicians look

almost like giants. The heads and shoulders fill the t.v. screen. When they are vertical Rene Levesque is almost as tall as Pierre Trudeau who is almost as tall as Peter Lougheed, who is a lot taller than David Crombie.

Then we read that Rene Levesque has to stand on tippy toes to reach five feet zilch, and we discover that anyone who looks like a giant in this company is, to use modern terminology, about 170 cms. tall. (Our President, we estimate, is about 180 cms.) How come Canadians are being governed by a bunch of midgets? Why are we letting these little runts pick our pockets? Why is it that all these wee people go into politics while the tall ones go into engineering? Why are we so intimidated by them when they thunder at us through our t.v. screen, telling us what is good for us, and what they plan to do with our money?

Occasionally, it is true, some big (in stature) people do go "down there" to Ottawa. But they don't stay. Maybe the desks are too small for them. Maybe they can't find beds that are long enough. Or they get tired of scrooching down to go through doorways.

Television has tended to make giants out of politicians, one way or another. We leave it to the psychologists to come up with the answer as to why the average or tall people become engineers, doctors, lawyers, or models, while the little fellows become politicians. We, the voters, ought to get the whole scene in perspective before May 22nd. It's time we talked back (and down) to these political midgets and told them we don't want to see any more needless extravagance in their circus act, that we earn our funds and we are in a better position than they to decide how

they will be spent, that they should get on with the business of doing things that individually we can't do, like transporting and selling wheat.

In case any of them feel like shaping up and growing up, we submit the following unused (to date) platform planks:

Clean up the post office by disposing of the poor administrators and the radical yahoos.

Abolish the baby bonus.

Cut the civil service and the cost of same by at least 50%

Clean up or abolish the Unemployment Insurance Commission

Admit that the bilingualism program did more to divide Canada than unite it and abolish same

Work out a satisfactory way to get western grain to overseas markets

Outlaw strikes in the public service and all essential services

We invite readers to add to the list and to forward it to the candidate of your choice. — S.J.A.

## Income Tax Quiz

It's that time again, and in order to help members to sharpen their wits we are reproducing a quiz which comes to us courtesy of the Rosenthal Mfg. Co. of Chicago. There are two more clues than there are answers and to start you off we will tell you that Sheltered Income is Dry Money. When you have completed the quiz send it in to the Bulletin Editor. We will publish the names of all those who have the correct answers (preferably with explanations as to why they are correct) in the next issue. By this we mean you should submit not only the correct number but the proper spelling for the answer in question. If that's too confusing go on back to your income tax form.

## CLUES

1. Earned Income
2. Agent
3. Deduction
4. Audit
5. Penalty
6. Dependent
7. Appeal
8. Sheltered Income
9. I.R.S.
10. 4 - 15
11. Taxable
12. Debit
13. Loophole
14. Tax
15. Income Averaging
16. Deductible
17. Extension
18. Pay
19. File
20. 1040
21. Consultant
22. Estimated
23. Refund
24. Taxing

## ANSWERS

- Dry money
- A man
- Unborn chicken stress
- Money in a jar
- Music at IRS party
- Apple cover
- Keeps the carpet in place
- CB O.K. times 10
- Thru the nose
- Where Daffy eats
- Girl with teeth marks
- Long stick used in bathrooms
- Necessary for vision
- Collection from Cain's brother
- Middle age spread
- Diamond on a rope
- Money for coral
- Avoidance of web footed birds
- Tool for prison escape
- Adolescent who quits the game
- Aunt of prisoner prince
- Start of prison golf course

## Quotes

There are three kinds of lies: lies, damned lies, and statistics.

— Disraeli.

There is no right to strike against the public safety by anybody, anywhere, anytime. — Calvin Coolidge in 1919.

Studies serve for delight, for ornament, and for ability. — Bacon.

I wish to preach not the doctrine of ignoble ease, but the doctrine of the strenuous life.

— Theodore Roosevelt, in 1899.

In her first passion woman loves her lover; In all the others, all she loves is love. — Byron.

No race can prosper till it learns that there is as much dignity in tilling a field as in writing a poem. — Booker T. Washington.

Evermore in the world is this marvellous balance of beauty and disgust, magnificence and rats. — Emerson.

He was like a cock who thought the sun had risen to hear him crow. — George Eliot.

My candle burns at both ends;  
It will not last the night;  
But, ah, my foes, and, oh, my friends  
It gives a lovely light!  
— Edna St. Vincent Millay.

Beauty is a short-lived reign.  
— Socrates.

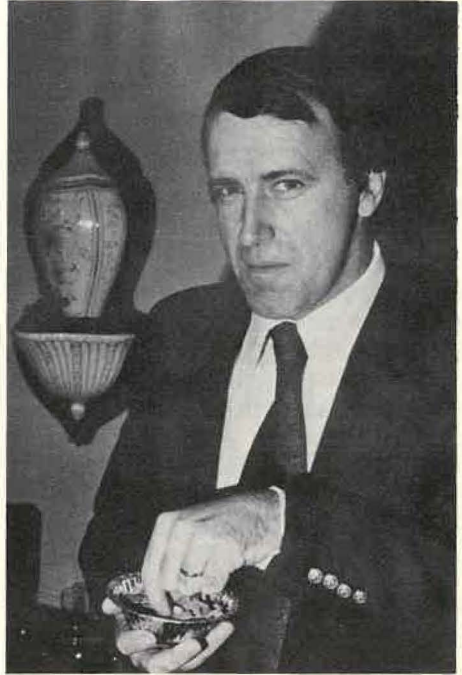
A man must not swallow more beliefs than he can digest. — Havelock Ellis.

Adam and Eve had many advantages, but the principal one was, they escaped teething. — Mark Twain.

If you want to know what God thinks of money, look at the people he gives it to. — Anon.

Put not your trust in money, but put your money in trust. — O.W. Holmes.

Next to the pleasure of making a new mistress is that of being rid of an old one. — Wycherley.



Still life — Roger Mills with nuts and pottery

## Merit Award

The A.P.E.M. Awards Committee is open for nominations for the above award from the general membership. All nominations must be accompanied by substantiating information and submitted to the Awards Chairman, A.P.E.M., 710-177 Lombard Ave., Winnipeg, Manitoba. R3B 0W9 by May 7, 1979.

### Terms of Reference

1. The Awards Committee shall make recommendations to Council each year regarding awards to mark outstanding achievements by engineers of Manitoba.
2. An award may be made on an individual basis or on a group basis in

which case it shall be made to key members.

3. In general, an award should be made to engineers of Manitoba but this should not necessarily exclude a Canadian engineer for his achievements for the people of Manitoba.

4. The basis on which merit for an award may be judged shall be:

4.1 A contribution to the literature showing outstanding scholarly achievement;

4.2 Magnitude of works successfully completed;

4.3 The pioneering achievement in fields of engineering or of engineering application;

4.4 Outstanding public service.

5. The procedures that will apply to the Committee on Awards are:

5.1 All members of the Association have the right to nominate an individual or a group for an award.

5.2 These nominations should be in Council's hands prior to June 1st of any year.

5.3 The Committee on Awards may initiate nominations.

5.4 The Committee on Awards shall review nominations and make recommendations to Council.

6. The awards will be presented at the annual meeting.

## **Computerized Information Retrieval Service**

Information is the essential ingredient in decision making and the society we live in is rich with information. Yet, many of us believe that information is something hard to get. We often do not know if the needed information exists and how to obtain that information if it exists. The difficulty is compounded by the rapid growth of litera-

ture — it is a known fact that the size of literature in science and technology doubles every 10 years.

The computerized information retrieval is an effective and economic way of obtaining information. Every professional who requires information from a wide range of sources should consider using this method in the information-gathering process.

Since computer technology was applied in information storage, retrieval and dissemination about two decades ago, many machine-readable bibliographic data bases have been produced. Presently, over 120 such data bases are available commercially for public use through various data base vendors, eg., CAN/OLE, DIALOG, MEDLINE, ORBIT and QL, and the number of data bases is growing steadily. These data bases contain bibliographic records or records that give references to bibliographic records. It has been estimated that about 50% of the data bases are in science and technology, 10% in medical science, 20% in humanities and social sciences and the rest are interdisciplinary.

The data bases are accessed either on-line through the telecommunications network or in batch mode, and may be searched retrospectively and/or for automatic up-dating or current awareness purpose. In most cases, it takes less than half an hour to perform a search and the end product is an instant bibliography which is tailored to meet the requestor's specific need.

If you would like to know more about computerized information retrieval or if you require this service, please contact Y. Cho, Engineering Library, University of Manitoba, Winnipeg, Manitoba (Tel. 204-474-9445).



In the winners' circle at the curling bonspiel, Vic Becker, Sandy Gibb, Jache Boge and Landis Krause.

## Ed Welter Gone Soft

Our Buenos Aires correspondent, Ed Welter, just can't take it any more! He was sending regular reports in to the Bulletin Committee from B.A., until a visit "back home" chilled his fingers and numbed his brain. This resulted in his sending us a sort of combination letter and itemized list of Argentine serendipity, leaving it to us to make something out of it all, 'us' being the resident members of the Bulletin Committee whose fingers have been stiff and brains numbed since November (if not before).

Ed was in Winnipeg from December 8th to January 4th. He did venture out once into the frosty air, had a warming visit with Bill Mackenzie, then retreated back inside to sit on a radiator until it was time to leave. He did do a little car research while he was here and has come up with the astonishing revelation that it is colder on his "backside" in the back seat of a car

than in the front. Makes us wonder where Ed kept his car warmer.

Having found it too cold to do any writing when he was here he returned to B.A. only to discover it was too hot for creative work, so he decided instead to "ramble on." He tells us that he had a tan when he arrived in Winnipeg and "shivered it off" while here. It hasn't rained much in B.A. since his return so the tan has redeveloped. Traffic in B.A. is not so hectic during January because so many residents have gone to the seashore for their summer vacations.

And in a sultry capsule we learn from Ed that the humidity is high, the climate semi-tropical, there is green vegetation for 12 months of the year, no snow to shovel (knock it off Ed), the last recorded snowfall was in 1924, three to four inches of rain in a few hours is not unusual (no conversion to



metric came with these statistics), there are no flooded basements because there are no basements, there are tiled sidewalks and garages, "km & km of cobblestone streets" (obviously some metric), "thousands of bus, truck and taxi drivers who think they own all the roads," "exhaust fumes", "fanatical, fearless, full of fault car drivers," (which makes us wonder why he didn't go out to Pilot Mound and enjoy the wide open spaces and clear, fresh air while he was here). Having a telephone installed in the house after being on the waiting list for only six years is a cause for jubilation, there are birthday celebrations in the office (we gather this is in engineering offices, not just the post office). Through the rain and exhaust Ed has been able to observe the "beautiful Argentine women, wearing tight, tight, VERY TIGHT slacks." There is a brief reference to gin and tonic and swimming in the pool New Year's Eve, football and tennis fever, then Ed felt impelled to take another crack at us with a final "Christmas without snow."

Then we come to "Please try to make up some sort of a newsletter out of this rambling. It's too hot to write any more tonight, and I have to get up early tomorrow for a golf game before the weather gets too hot." Gosh, Ed, you'd better rethink this situation. There aren't too many things we have to give up here in Manitoba because it's too hot. — S.J.A.

## Premier's Design Awards

The A.P.E.M., through the Public Relations Committee, will be participating in the 1980 Premier's Award for Design Excellence. The Premier's Awards which were first started in

1978 are funded by the Manitoba Department of Industry & Commerce through the Manitoba Design Institute.

These awards, which are held on a bi-annual basis, feature the Premier's Award and Merit citation for the following categories: Architecture, Interior Design, Packaging Design, Professional Engineering Design, Industrial Design, Graphic Design and Fashion Design.

The 1980 Award's Day will take place on Wednesday, March 12th, 1980 at the Winnipeg Art Gallery.

Firms, or Professional Engineers, intending to submit an entry in the "Professional Engineering Design" category should submit a "Notice of Intent" to the Association Office before September 1st, 1979. The complete entry has to be submitted before September 30th, 1979 to the A.P.E.M. office. Descriptive literature, entry forms and additional literature will be forthcoming at a later date.

## Bus Freaks

For a period of time Metro Transit bought its buses from Japan. Splendid buses no doubt — for the little Japanese. Most Winnipeggers sat on these buses with their knees tucked under their chins, or, if the bus was not crowded, they could thrust their legs into the aisle.

Eventually the city got the message, no doubt from several long-limbed citizens, and a contract for buses was placed locally. At last! Buses would be made for Winnipeggers. Indeed they were. One long-limbed rider whose legs never could be pretzeled into a Japanese-made bus seat, now rides the Winnipeg-made bus with a new problem. In order to pull the stop-

requested cord one reaches up, up, up, up and with the arm fully extended and the shoulder almost out of the socket the hand is still a good 6" away from the cord. A telephone call to the transit people revealed they were more than aware of the problem, and the only suggestion offered for getting within reach of the cord was to "stand on the seat and jump up."

Before another bus order is placed it should be made clear to the manufacturer that there aren't too many Winnipeggers with both 18" legs and 65" arms.

## Weather Warning

As this article is written we can look out the office window over the snow-covered rooftops and see right to the edge of the city. Yesterday we could hardly make out the city hall clock for the falling snow. Almost the whole winter's snowfall is going to have to disappear, we hope, in the month of April. We still have to get through the messy season, when cars need to be washed daily and when Spring suits get badly splattered up by careless motorists. What sort of flooding will take place is yet a matter for speculation.

It's been a long, cold, harsh winter, and even such newsworthy events as the Washington peace talks and the calling of a May election had to take second place to the weather in Manitoba as a topic of conversation. It was a winter of weather warnings and weather advisories. By the time this issue goes to press it should all be behind us. But what lies ahead?

Oldtimers in this province claim that every harsh winter is followed by a long, hot, summer. For instance, the winter of 1935, the coldest this century, was followed by the summer of

1936, the hottest in memory (if not statistically). One former Winnipegger who writes from B.C. to tell us of the joys of tulips and daffodils in March remembers attending a wedding in the summer of 1936, in the years before air conditioning, and the temperature outside was 108. Inside where all the guests were it was thought to be higher.

We had to stay in all winter to keep warm. Now we face the prospect of having to stay in all summer to keep cool. Energy conservationists should get to work on this one. Any excess summer heat should be saved for next winter.

## Voices From Afar

George Durham has sent greetings from Vancouver, and admits to having read our Thompson Special. Art Sparling writes from abroad, having visited England, Scotland, Wales. And a usually reliable source tells us that former Councillor Jim Rettie is doing well and looking well in Vancouver.

## Engineering Graduates Enrolled

L.A.J. Beaulieu, W. Czyrnyj, W.C. Girling, S.E. Kok, D.R. Kupskey, J.D. Kosc, E.R. Luczak, J.C.Y. Luk, G.S. Marchant, G.E. Mohr, M.E. Sliwinski, C.C. Macey, F. Robert, T. Voutsinas, V. Bovan, W. R. Burrington.

## More New Members

J. S. Rybak, W. C. Wagner, A. Fediuk, J. A. Burgess, L. O. Ewanek, W. R. Gillan, C. D. MacLeod, H. M. Holroyde, D. O. Stapleton, O. W. Baker, M. E. B. El-Arini, R. D. Friesen, G. A. Gauthier, F. W. Lee, A. R. MacDonald, L. G. Swain, John Vos, W. R. Whitehead.



Blair McLenaghan in the apron he won in the curling bonspiel. (without the apron he was dubbed the worst dressed curler)

## Memberships Transferred

The following have transferred their membership to other Associations: R. K. Chugh, J. M. Stevenson, D. S. Chapman, H. M. O'Connor, B. Azarbar, W. J. Jackson, A. M. Mousa, R. A. Rafok, F. Maksymetz, D. L. Sundmark, R. S. Whitmore, K. S. Lai, J. R. Van Iderstine, R. J. Mitchell, R. C. P. Hui, P. Wielezynski, M. M. Makwana, D. W. J. Mason, L. M. Dereniwski, R. L. Hemeon, B. P. C. Cheung, V. A. Gedak, P. H. Goodwin, W. L. Dilk, J. C. Wismath, A. M. J. Lui, Z. Ibrahim, E. C. G. Weiss, H. G. MacDonald, D. Hood, R. E. King, L. Stocco, R. A. Ronald, R. A. Stobbs.

## Fees

Members who have not yet paid their 1979 annual dues are reminded

that by-law 32 (2) states that "if any member so registered fails to pay the established fee prior to July 1 in any year, the Registrar shall remove his name from the roll of Professional Engineers of the Province of Manitoba." Fees must be IN THE OFFICE prior to July 1. Do not rely on the mails.

All persons removed for non-payment of dues who wish to be reinstated to membership are required to pay the fees for the year in which the membership was cancelled, the annual fee for the year of reinstatement, another registration fee and must submit an explanation satisfactory to Council as to why the membership was allowed to lapse and write an examination. There are no exceptions.

## History — 1959

Twenty years ago Council passed a motion approving the expenditure of \$500.00 in connection with the annual meeting of CCPE to be held in Winnipeg that year. It was decided that certificates to new members would be framed. It was decided to hold Council meetings at 4:30 p.m. on the first and third Mondays of each month, adjournment to be no later than 6:30. No representative was to be sent to either the Saskatchewan or Alberta annual meetings. The President was authorized to attend a luncheon at the Royal York Hotel in Toronto on June 29, 1959, where the luncheon speaker was to be Prince Philip. A proposal was approved to give a form of certificate to past presidents of the Association. Council was considering a proposed Plan for Unity involving all the Associations and the E. I. C. M. P. Musick became an Engineer in Training. John Kavanagh, Frank Penner, Henry Penner, D. A. Shearer were registered. Mrs. Dunklee's salary was increased to \$3,300.00 a year.



**REMEMBER THE  
GOLF TOURNAMENT  
MAY 28**

