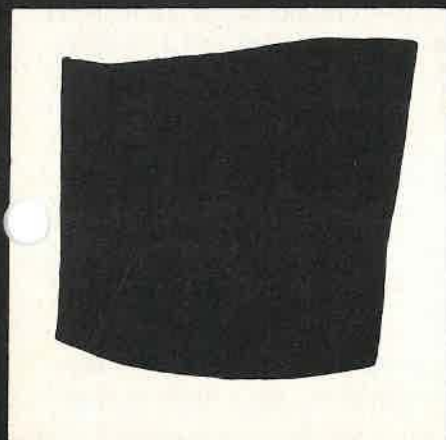
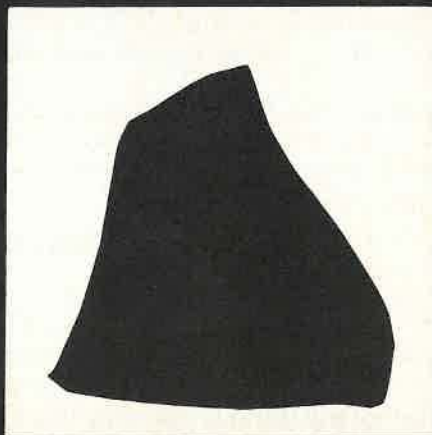


# Bulletin

April

81

*The  
Manitoba  
Professional  
Engineer*



**THOMPSON SPECIAL**

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WINNIPEG, MANITOBA, APRIL 1981

## President's Message

BY R.C. Isaak, P. Eng.

By now you will probably have received notice of Terry Algoe's retirement. It was a difficult decision to make but we feel that it is in the best interests of all parties. Council will now move on to consider a replacement for Terry. In the meantime, the office continues to function smoothly with our present staff.

Last month on behalf of the APEM, my wife and I attended the annual meeting of the Association of Professional Engineers of Saskatchewan. The major items aired at the meeting were the registration of consulting engineers, the Engineers-Architects Agreement, and service to salaried engineers. Although Saskatchewan has dealt somewhat differently than we have with these matters, our two associations share many of the same concerns.

As part of our review of our own registration procedures, Council recently approved a redrafted version of the professional examination. The examination had been completely rewritten under Councillor Jost's personal supervision. As part of the approval process, council wrote the examination. No councillor was perfect and I challenge our membership to write the exam. It will raise your level of knowledge of our Act, By-Laws and Code of Ethics — substantially.

CCPE recently published a report on "Energy Manpower Requirements 1980-2000 for Energy-Related Profits in Canada".

Although the report offers a "broad brush appraisal, not a detailed econo-

metric analysis", it finds that engineering manpower requirements could rise to between 18,000 to 19,000 for energy related projects in the late 1980s and early 1990s. Such a finding presents our educators and career counsellors with a challenge, a challenge made more difficult when we realize that our engineering colleges are still not receiving the money needed to upgrade and improve engineering education. For engineers concerned with the future supply of engineering manpower, this report is important reading.

## **Sandwiches, Candles and Council Agenda**

**March 9, 1981**

Council met in the APEM offices at 7:30 p.m. for its monthly meeting. One councillor was unable to attend due to being away on holidays. As is typical of this version of the APEM council, they moved through the business of council in a very professional manner.

The initial points on the agenda were discussed and passed including the reading of the previous meeting's minutes, licenses, registrations, reinstatements and engineering graduates.

After the preliminary items were dealt with Council discussed a proposed letter from Wally Rooke regarding a change in the rules surrounding the Manitoba Design Institute Premier's Awards. Specifically what is of concern is that the engineering award may be a venue for submission from non-engineering people. It was decided to have a letter over Mr. Isaak's signature sent advising the M.D.I. of our concern and reminding them that in law only a

Professional Engineer can do professional engineering work.

A report from the Practice and Ethics Committee was circulated regarding their findings on a complaint of excessive noise on the Bishop Grandin Boulevard. Council approved sending this to the Winnipeg Free Press and buying ad space to put our report in unabridged.

The big hand got to 12 and the little hand to 5 which heralded two things to emerge from the doorway into the boardroom. In order of consideration they were sandwiches and then Mr. E. F. Glass to give a talk on the review of the Code of Ethics.

This study began in 1977 prompted by an apparent danger that engineers may be placed in a position wherein their employer would have them contradict the Code due to job pressures. Another contributing feature was that the fee guideline may be construed as a restraint of trade or that professional groups may be deemed by the government as a "Closed Shop". With this sort of background they embarked on this very long study which resulted in four basic recommendations.

It was suggested that the rules should be rewritten so that the employer of an engineer would be deemed to be a client. Another point of concern is that one engineer cannot review work of another without advising the first, which has been used as an escape loophole by certain engineers whose work was in question. Finally clauses 6.5 and 6.6 of the Code of Ethics are to be reviewed and revised.

Council voted to have points 6.5 and 6.6 revised by the Legislation Commit-

tee for approval by the members as soon as possible.

The Code of Ethics is to be completely reworked and council is asking a new committee be struck to do this.

The Review Committee's assignment is now complete and Council voted them a note of thanks with their disbandment.

The minutes of the Executive Meeting were read. Council wishes to express grave misgivings with a report from Grant McNichol regarding the Canadian Accreditation Board's desire to eliminate the practice of outside observers attending their meetings. A statement on Mr. T.W. Algeo's retirement was ratified and finally the resignation of Mrs. Carol McGirr was noted.

Rudy Isaak gave a report on the Thompson trip reiterating the finding that the people of Thompson are among the finest anywhere.

Ken Jardine reported that in his position as Registrar evidence is being brought out that certain industries are filling jobs which are titled as engineering positions with non-engineers. Council plans to embark on a review of the matter with certain prominent companies immediately. Strong action in this area appears to be needed judging by the preliminary reports and council strongly endorsed that the APEM work on this with full measure being taken.

Council wound things up with two further reports. One from Rudy Isaak on his attendance to the APES annual meeting in Saskatoon and Mr. Ken Jardine who attended the Manscett's annual dinner and dance. Both gave general information on their impressions.

With the conclusion of their reports I too will conclude mine.

—R.A.F.

## Council Meeting of February 9th, 1981

by B. V. Halkewycz, P. Eng.

The February Council Meeting began at 3:40 P.M. with seven (7) members present. The agenda and the minutes of the Council Meeting of January 12, 1981, were approved.

The first item under Business Arising dealt with the CCPE Motion 1975-CAB-ABET Agreement. The Board of Examiners formally approved the above mentioned agreement, and Council concurred in the Board's approval. Second under Business Arising was Mr. Isaak's report on the Builders' Liens Act. The January 16th Meeting at the Province of Manitoba Attorney General's office attended by Mr. Isaak, Mr. Peever, Mr. Wright and representatives from the Manitoba Association of Architects led to the agreement that this particular Bill in question would go forward to the

Legislature during the current session and that the mention of Engineers and Architects was to be deleted from this Bill.

Following the Business Arising, Licenses, Engineering Graduates, Transfers, Registrations and Reinstatements were reviewed and approved by Council. Council immediately reviewed and ratified the makeup of the Safety in Engineering Practices Committee for 1981. The makeup of this Committee includes a good spectrum of Engineering Professionals in the Province. Mr. Isaak brought to the Council's attention a long standing (August, 1979) matter regarding a bulletin within the Provincial Civil Service for an "Agrologist III". It would appear that the requirements of this individual called for a design and devel-

opment engineer and yet the classification was not for a professional engineer but for an agrologist. It was agreed that Mr. Isaak would send a registered letter to Mr. Hart, Commissioner of the Civic Service Commission, concerning this matter. (Editor's Note: The word agrology or agrologist warrants only twelve words in Webster's New Collegiate Dictionary while the word engineer or engineering warrants ten times as many. (CAN AN ENGINEER BE AN AGROLOGIST, OR CAN AN AGROLOGIST BE AN ENGINEER?))

Following the review of the first quarter statements and discussion of placement of APEM pension funds within the Professional Financial Savings and Credit Union Ltd. (which Council declined), council tested the subject of Portable Pensions. The Association of Professional Engineers of Nova Scotia has recently submitted a recommendation to their Provincial Government urging that the Government support the concept of portable pensions, specifically the value of same to the professional engineer in his pursuit of a varied, mobile and productive career. APEM Council registered its support of the concept of portable pensions and referred the matter to C.C.P.E. so the issue could be studied and discussed on a national scale. Discussions on the February 4, 1981, Minutes of the Executive Committee of the Association proceeded with dispatch, Doctor Glenn Swift was appointed as the Association's representative at the joint NCEE/CCPE Western Regional Meeting which would be held on June 15 and 16, 1981, in Vancouver. By now Council had moved expeditiously through its agenda to the appointed coffee and sandwich break.

The last item concerned review and debate on a proposed new examination

on the engineering profession act, by-laws and code of ethics, an examination which was to replace the existing exam given to new applicants for registration with APEM. The new examination which was meticulously prepared by Mr. F. Jost with assistance from Mrs. Dunklee had previously been disseminated to the members of Council with the request that they complete the examination and be prepared to make recommendations at the February 9th Council Meeting. The proposed examination was in the form of seven one sided pages, a true or false format, with weighted factors applied to various questions which required a correct answer to ensure passing of the examination. Council proceeded to review the exam question by question and compare their answers to those "correct" results given by Mr. Jost. Predictably there were thirteen interpretations of each question amongst the twelve participants in this examination review. The result of the tabulation of scores (based on a "peeking over the shoulder" poll) indicated that few members of council and this reporter would have passed. It was the general consensus of the members of Council that this form of examination did indeed have specific value in that it required detail perusal of the act, by-laws and code of ethics. The lively debate certainly indicated the need of a review by already registered engineers to improve on their acquisition of knowledge on the above. It was a decision of Council at this point to request some modification to the draft examination.

On this failing note Council agreed that the code of ethics report from Mr. Glass would be deferred to the next meeting to be held in March. The meeting was adjourned at 7:55 P.M.

## Thompson The Heartland of Friendly Manitoba

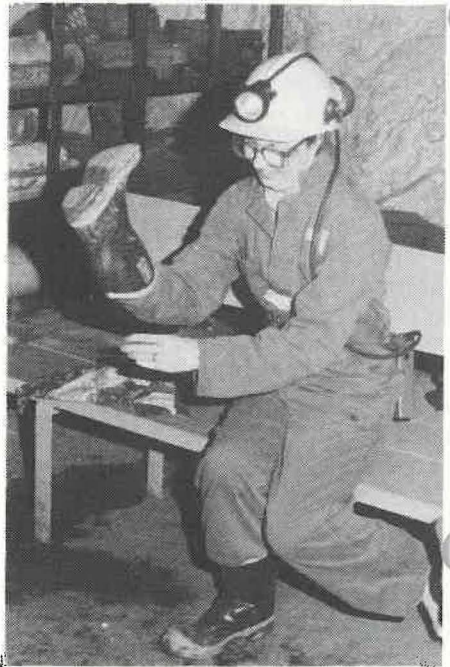
We summed it up in the October 1978 Bulletin after our first visit to Thompson — “THE PEOPLE — This is where it’s really at!” It’s still the same, only more so. They exude a special kind of cordial charm, and we were bathed in it from the moment we arrived to be met by Blake Maxfield and John Fulton until we boarded the aircraft under the friendly gaze of Susan and John Fulton and Audrey and Eric Wilson.

On arrival Blake and John whisked us off to the Burntwood where we deposited our luggage and then we headed for the mine — T-1. We met George Stewart, Jim Heis and Al Richardson in the robing room. First to go on were grey socks, then coveralls (dark grey-green), a wide belt, a hard hat with ear muffs, rubber boots, and a battery hooked onto the belt. There were varying reports about the weight of the battery — Dolores Jardine, Gail Isaak and Loreen Dunklee thought it weighed about 50 pounds, but 12 was the highest anyone else would estimate. We each had a light, held in the hand or hooked onto the hat.

After we got into our costumes, (looking, as Ken Jardine said, like the Chinese army) we clumped along to what we called the elevator but what is officially called the cage. After some clanging of bells we descended to the 2200 foot level. We felt like Alice in Wonderland falling down the hole and coming to rest in a tunnel. The tunnel walls were sprayed with aluminum paint and there were fluorescent lights. But not for long. We walked along the tracks, past two doors — one read

Explosives and the other Powder Magazine. The fluorescent lights were left behind and we had only our own headlights to guide us over the rocky terrain and through the water. The men were also left behind. The terrain got a bit tricky and Jim Heis said he would take the men on a route that had ladders and not so much rock and water. Al Richardson was left with the ladies. A little mountain goat training would have come in handy.

Al pointed out a drainage hole for water and a sand bore hole, (a large pipe) through which sand goes to the bottom of the mine. Dolores asked if one could call to someone through the drain-



In the last issue we published a picture of our First Lady, Mrs. Isaak. This is a picture of our Second Lady, Mrs. Jardine.

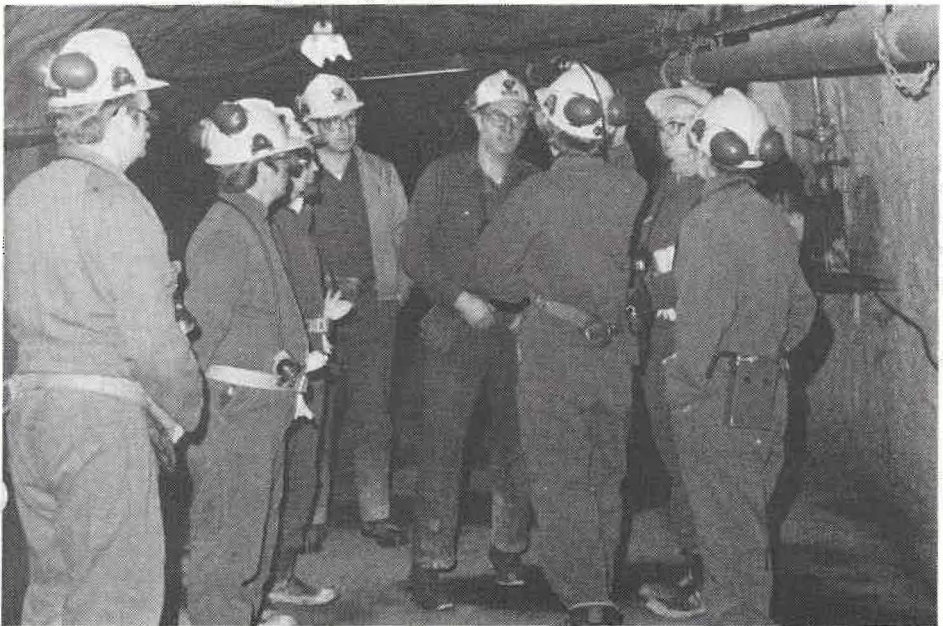
age hole or the pipe. Al Richardson replied that it would be possible but that the telephone system was a little more efficient. We left the tunnel with the tracks and went into a dead-end burrow that was far beyond Alice's experiences. The deepest wading was in this area and at the dead end were three miners. We were in a stope. The miners were on a pile of rock several feet higher than our level. Their task was to bolt up the ceiling, which is called a back, with 8 foot bolts, after which they cover the back with wire mesh. They were three shadowy figures, moving about in the dusky nook, looking like characters in an Alfred Hitchcock movie.

There is nowhere for the noise to go down there so it echoes, and what we thought was the sound of blasting Al Richardson explained was the closing of a door. It was quite a door too, we went

through it twice and Al must have been wishing he had taken the tour with the men, because it was quite a feat to open the door because of the air currents, and he was on his own in doing it.

We found our way (it was easy, we just followed Al) back to the cage and down to the 4080 foot level. (What they will do with these figures when they go metric we cannot imagine). We climbed some metal steps and stood on a vibrating platform to watch ore being crushed. We met up with the crushed ore again at the 4160 foot level.

Jim Heis had said "Shall we join the ladies" after the stope tour on the 2200 foot level, so the men were back with us again. Jim and Al led their Chinese army raw recruits up to the 2400 foot level. There we watched a little train, small cars loaded with ore. The bottom of each car opens up as the car passes



Al Richardson and Jim Heis (centre back) and George Stewart (left end) of Inco explaining underground mining to raw recruits.



### So this is Thompson!

over a 'big hole' (this is Ken Jardine terminology) and the ore is dumped.

Up we went in the cage to the 2000 foot level to see the 'garage'. It is a huge excavation filled with large pieces of equipment. One marvelled that they had been transported down there since they were much larger than the cage. Apparently they go under the cage for the trip.

There are 'rooms' down there for things other than explosives. Lunch-rooms with picnic tables, small refrigerators, even a microwave oven. And there are no mosquitoes, mice or bats. There were no doors with "Ladies" on them. None with "Gentlemen" either. We didn't inquire into this situation.

Back at the office level we took off the Chinese army costumes and had lunch, a feast compared to our normal fare. Then we said goodbye to Al Richardson and Jim Heis who had cheerfully fielded all our silly questions and guided us safely from tunnel to tunnel to cage to tunnel to platform to cage to garage to cage to lunch.

We were turned over to Ken McDonald who is no longer collecting centrefolds from magazines and has turned his interests to the models themselves. Ken took us first to his car to show us what a vehicle that isn't working is like. From there we walked to an enormous building that houses everything from blast furnaces to bubbling froth. We climbed up and down metal stairs, tried unsuccessfully to pin Ken down about his models, or if he did give us any information on the subject it was lost in the noise of machinery or muffled by our ear muffs. While Ken was so capably looking after the ladies, the men were escorted about by John Fulton, with Dave Shefford describing the Mill, Ron Orr the Smelter and Milt Goble the Refinery area.

Pat Clement, Martha Maxfield and Susan Fulton entertained the ladies at "tea" at the Maxfield home. "Tea" in Thompson differs considerably from tea in Winnipeg and we could pick up a few pointers here.

Meanwhile back at the Burntwood the men were having a meeting. Blake Maxfield was the Chairman and President Rudy Isaak and Vice-President Ken Jardine fielded the questions. Alex Murchie and Bryan Clements both showed an interest in continuing education. As had happened last year, there were questions about the Tritschler inquiry and what was resulting. There were queries about how to become registered if one did not have an accredited degree, and it was explained that the figure of \$200.00 mentioned for an assessment was inflationary and inaccurate.

Then it was dinner at the Clements. We have checked two thesauri to try to find a word to do justice to the feast, but there are none. We marvel that Bill Clement cheerfully ate the sandwiches that are called dinner at Council meetings. It was a banquet fit for royalty, from Bill's drinks to Susan Fulton's mousse.

Reception for professional engineers, potential professional engineers and wives was held in the Inco suite at the Burntwood. Here we learned who is tops in the pecking order at duplicate bridge. Now it's George Stewart and Smiley Hallam.

Dave Nicholls proved that he could tell if the name tags were right side up by 8.52, and by 11.48 he was giving a demonstration of how to dance to "Rock Around the Clock" in the hallway. These mining people are so used to corridors they can do almost anything in a narrow space.

Alan Vernon had come to Manitoba from New Zealand, ten days previously, does not play bridge but Dick Menon will teach him. Lorne Ames picked up

a name tag and a black crayon, and he is so programmed into writing his son's name "David" when he gets a crayon in his hand that he wrote it on the name tag. Ray Puro has been twenty-one years in Thompson and celebrated the occasion by devoting a day to guiding the visitors around.

By the time we ran into Ray Prochera the pecking order in duplicate bridge had changed and Hallam and Stewart had slipped to second place behind Blake and Martha Maxfield. The next report we received was that Malcolm McKenzie and Dave Phelan were second to Blake and Martha. This caused Charlie Boyd to say that in a discussion of the weather it should be pointed out that all the wind was inside.

Ray Prochera may have erred in the duplicate bridge order, but he knew what he was doing in the detour he took to the bar.

Francis Sheridan, otherwise known as Mule, had been proclaimed the chief joke teller for the Winter Carnival. Hurrah for us! We have actually lured an engineer from Alberta to Thompson. He is Kevin Cassidy and will soon become an Engineering Graduate.

George Williams was not caught short this year and he did have some pictures of his very charming little son Daniel Thomas. We found John Greenhill looking for short-cuts to the bar and referred him to Ray Prochera who had found a back route. Alex Murchie wanted it understood that he would not be in this year's Marathon, not because he is out of shape (not quite) but because of his daughter's wedding. Len Eckstrand is planning big doings for the day before Lent starts. He is giving up abstinence for Lent this year.

Dave Nicholls explained that he was half registered and would proceed with the other half when we changed our name and gave geologists more prominence. Milt Goble said it would take an Act of the Legislature to make a geologist an engineer. Milt said that a metallurgist can look at a platinum blonde and tell if she is virgin mineral or common ore.

In the matter of athletics Dave Nicholls and Merv Toderian are going to the ladies bonspiel in Lynn Lake. And at this point in the evening the two top bridge players were Smiley and George, at least according to Smiley. Dave Shefford, who wished to remain anonymous for this one occasion at least, had cornered three females to discuss topics other than bridge and curling.

Bryan Clements said he was too busy building boats, cabin cruisers and can-

oes and had no time for bridge. Richard Wisniewski flies his own plane, says he has no navigational aids, can't say where he flies to, but he has good homing pigeon instincts and always returns to Thompson. Jim Jarvis is interested in modelling which he was quick to explain meant he was making things out of wood. He had no samples of his work available to prove the point. He says he cooks like Bill Clement. Bill's two specialties are sardines and pork and beans, and a can opener.

Mrs. Alex Murchie is on City Council and her husband said when they made the record "Amazing Grace" they had his wife in mind. We had a visit with Barry Hadfield at the reception and again at the opening of the Winter Carnival where he was expressing some disappointment at not having won the prize for best costume.



Mining rookies Jardine, Dunklee, Isaak

The sartorial class of the reception was Dave Drake. He was in an elegant three piece pin-stripe suit with a blue shirt and suitable tie and had had his hair done for the event. "I curled it last night", were his exact words.

Congratulations are certainly due to Merv Toderian who earned his registration after writing 5 of the A.P.E.M. exams.

Last year we listened sympathically to John Harkness describing his problems with the ravens, and we devoted a lot of time to trying to come up with an answer. And did. Sprinkle the garbage with ground-up birth control pills and the problem would soon be solved. Alas, too late. John has changed his mind about the ravens. Now he regards them as pets. They are not to be persecuted. "They're the only thing that moves when it's forty below", he told us in his broad Scottish accent. John has been elected to the school board on a platform of "love thy ravens".

Also at the reception and willing to sponsor new recruits, particularly Al Richardson, were Carl Goddard and Keith Somerville. Congratulations to Keith who will have Bill Clement's job by the time this issue is printed. Bill moves into Charlie Hews' position.

John Swierstra is Thompson's horticulture expert and he spent some time explaining to Susan Fulton which was her green thumb. Susan is now on the Board of the Horticulture Society. John grows orchids and when we saw him at the airport as were leaving we thought maybe he was there to pick up a shipment of orchids but he was meeting a two-legged blossom who is attending university in Winnipeg.

The next morning we were picked up by Alex Murchie and Ray Puro and off we went for the Pipe Open Pit Tour. We were provided with coffee and slides by Eric Wilson, Rick Achter and Dan Mundy. Eric described the minus 27 temperature as 'tropical' so we were glad we were not on that tour in sub-tropical weather. The slides and accompanying explanation showed us how the drainage system operates to get rid of the water from the open pit mine. We saw pictures of blasting. The sequential blasting reminded one of dominoes falling in an orderly fashion one after the other. Then we drove down the winding road to the bottom of the open pit, 600 feet from the surface. On the trip back up we followed a truck carrying 60 tons of ore, travelling at 5 miles an hour. We kept at a discreet distance from the back of the truck.

Ray and Alex took their cargo from the open pit mine to Sasagiu Rapids Lodge where we had fresh pickerel for lunch. After lunch we visited Setting Lake where John Fulton is building his cottage and then on to Pisew Falls. The Falls have to be seen to be imagined. The water cuts a swath through rock and between pine trees, and the water vapor from the Falls freezes on the rocks and trees resulting in magnificent snow sculpture.

Unfortunately we had left all the ear muffs behind — they could have been put to one final use on the trip back to Thompson to muffle the snores emanating from the back seat of Ray Puro's car.

Dinner was at the Kiev restaurant where Ken Jardine insisted on having Ukrainian fare while the others partook of Chinese food. During dinner Eric

Wilson explained what an improvement nickel mines were over the coal mines where he had started his career in the United Kingdom. "Over there" the stopes aren't caverns where miners stand and reach above their heads to secure the 'back'. In a coal mine the miners are on their knees and a 3' 6" space is regarded as ample.

Audrey Wilson explained that Thompsonites do not tuck their garbage under blankets to keep the garbage warm. Housewives have come up with their own scientific answer to the raven problem. Ravens can and do peck their way into green garbage bags, they can and do take the lids off metal cans, but so far only one pair of ravens has managed to remove a blanket. Susan Fulton is thinking of opening a blanket shop with monogrammed blankets.

Then it was off to the opening ceremonies of the tenth Thompson Winter Carnival, the first for Susan and John Fulton. Given red carpet treatment and introduced from the ice were Inco President Don Philips and Mrs. Philips from Toronto, Charlie and Mrs. Hews moving from Thompson to Toronto, and Pat and Bill Clement. Bill is taking over from Charlie as President of Inco's Manitoba operation. Susan and John Fulton (Susan is wearing a beautiful new raccoon coat and John is driving a used snowmobile) and Audrey and Eric Wilson drove us from the arena back to the Burntwood for an Inco reception for Mr. and Mrs. Don Philips.

On Saturday morning we were guests of Inco at a breakfast and once again Susan and John Fulton and Audrey and Eric Wilson provided the transportation to take us to the airport. They came into the terminal and visited with us until we

went out to the aircraft and were still standing there waving a friendly good-bye as we boarded the plane.

It is as difficult to describe the warmth of the hospitality of these people as it is to describe Pisew Falls. As we said in 1978 the motto on the licence plates, "Friendly Manitoba" emanates from Thompson. The hospitality extends from the Maxfield-Fulton reception committee, throughout the tours by Jim Heis, Al Richardson, Ken McDonald, George Stewart, John Fulton, Dave Shefford, Ron Orr, Milt Goble, Alex Murchie and Ray Puro, the gourmet meal at the Clements with Pat giving her guests the static guard treatment on arrival, limousine service everywhere, to the friendly farewell waves from the Fultons and Wilsons. There was genial affability everywhere. We were struck by a lot of things, by how obviously Ray Puro and Jim Heis like their work. There seems to be general enthusiasm about mining. We didn't run into anyone who didn't like his work. They are enthusiastic about each other and about visitors. To use the vernacular, we never had it so good. It seemed only fitting that the mascot for the Winter Carnival was Rudy the Raven. Rudy the President has not heard the last of this one. And to add icing to the cake and help settle us down to inner-perimeter life again, Eric Wilson was kind enough to telephone us on the Monday after our return. — M.L.D.

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So nat'ralists observe, a flea  
Hath smaller fleas than on him prey;  
And these have smaller still to bite 'em,  
And so proceed ad infinitum.

— Swift.

## Grant McNichol

There is a sign in the offices of a local firm which says "A company is known by the people it employs". If I may be allowed to paraphrase this, the words "An association is known by the people it chooses to lead it". A man with the character of Grant bodes well for the image that the APEM will convey.

The natural leadership ability Grant has is evident, for it seems that whatever endeavour he gets involved in, he winds up on its Board of Directors. At present, in addition to being a Councillor with the APEM, he is also on the Board of Directors at the Niakawa Golf Club a sport at which he professes to be only a "hacker". Earlier he was on the Board of Directors for the American Institute



Cal Moon who came in from Portage with his curling team holds his trophies.

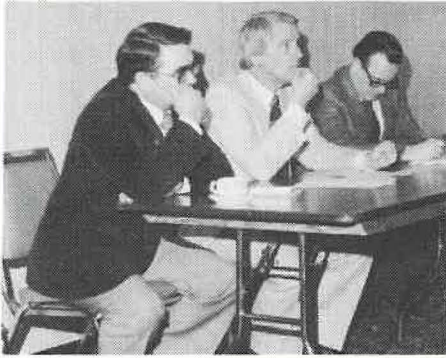
of Industrial Engineers in Toronto and later in Montreal where he was President. He was also on the Board of Directors with the church he attended in Montreal.

Grant was born in Winnipeg but at a tender age he moved with his family to Toronto where he completed his public and high school. He took his degree in engineering at the University of Toronto with an extended mid-term break to serve in the Army. After graduating in 1948 he started with Algoma Steel in Sault Ste. Marie, moving to Toronto in 1958 with Cannon. In 1962 he took a new job in Montreal with Dominion Bridge who transferred him to Winnipeg in 1974. A company take-over resulted in his necessity to move on which brought him to Boeing where he presently holds the position of Director of Engineering.

Grant married his wife Leone in 1945 from which his family of three sons and a daughter evolved, and they in turn have made them grandparents five times over.

Grant has been a Councillor for only a few months. However his contribution and influence are being strongly felt. Grant sums it all up on a very neat chart. He sets out his entire life, his family, his education, military service, engineering experience, engineering and community activities using a graph 32 x 12 squares and about two dozen words and symbols. Would we were all as succinct. — R.A.K.

We regret to record the death of  
D.N. Brown, P. Eng.



Vice-President Jardine and President Isaak have lulled Blake Maxfield to sleep at Thompson meeting.

## Thompson Short Takes

Photographer Ben Rogers lined his vitamin pills up every morning at breakfast, and swallowed them all, even the one that looked like an olive pit.

Dave Cross received lots of encouragement to replace his pipe smoking with Ben's vitamin pills.

Martha Maxfield did not appear in mukluks.

There's a cabin for sale at Setting Lake — very nice neighbors for miles around.

We're delighted that Bill Clement's promotion keeps him in Manitoba, likewise Keith Somerville.

Under the provisions of the Engineering Profession Act of Manitoba the 'branches of the science of engineering' that make up the practice of professional engineering and require registration include "Mining, Geological and Metallurgical."

George Stewart must have had some acting experience. He can make costume changes faster than anyone else we ever saw.

We got short changed on Norm Peters, saw him only once.

Eric Wilson said there was no basis for John Fulton's comment that blankets covering garbage did not deter the bears. He felt John had either not done enough research or encountered enough bears to make a blanket statement like that.

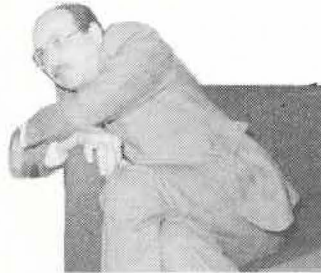
## Engineering Library

A library is the heart of any institution of learning. Dean Kuffel recently described the situation with the Engineering Library at the University of Manitoba as desperate. While a first class library is vital to staff and students in the Engineering Faculty, it is also important to the citizens of Manitoba, particularly members of this Association. The main engineering library in Manitoba should be in the Faculty of Engineering. It is in the best interests of this Association that the Engineering Library be well equipped and up to date. This is a project that should elicit strong support from the members of this Association. More will appear on this important subject in future issues of the Bulletin, outlining ways in which the library may be helped. In the meantime members who wish to make a contribution or to offer ideas are invited to call Dr. Glenn Morris, Associate Dean of Engineering, at 474 9808.

## WINNERS — CAPTION CONTEST



But John, I had the rug shampooer for only one day.  
(Len Eckstrand)



These darned piles are killing me.  
(Janet Marshall)



And the train was surrounded by Indians.  
(Len Eckstrand)



Who's a basket case?  
(D. R. Fonger)



Help! My pants are on fire.  
(W. J. Akins)



While skinning a muskrat you hold his tail  
between your teeth thusly.  
(Len Eckstrand)

## Alumni Dinner

By Garry Bolton, P. Eng.

The 60th Annual dinner meeting of the University of Manitoba Engineers' Alumni Association was held on Monday, December 29th, 1980 at the Winnipeg Squash and Raquet Club.

After a fine round (or two) of refreshments, and an excellent steak dinner, President Don Miller called the meeting to order. Reports and words of greeting were presented by Glenn Morris, representing the Faculty of Engineering, Rudy Isaak, representing A.P.E.M., and Blain Newton, Senior Stick of the Faculty of Engineering. Following these was a fine presentation by Honorary President Bill Finnbogason, who gave the honoring year report. Then, a portrait of former Engineering Dean Wedepohl was presented to the Faculty of Engineering on behalf of the Engineers' Alumni Association. A year-end report was presented by President Don Miller, then a silver mug was given to Past President Cy Howard by Garry Bolton on behalf of the Association in appreciation of Cy's service. The formal transfer of the gavel from Don Miller to incoming President Lowell Campbell then took place. After further business was con-

ducted, President Lowell Campbell adjourned the meeting.

The fellowship continued, with former classmates from near and far renewing old acquaintances. Several alumni in attendance deserve special mention. C.V. Antenbring ('26 C.E.) has a near perfect attendance record at the Annual Meeting. Visitors from far afield included Herman Ebert ('30 M.E./E.E.) from Port Charlotte, Florida; Wilf Garvin ('50 M.E.) from Worthington, Ohio; and Kathleen Gissing ('72 C.E.) from Edmonton, Alberta.

In closing, the fifty-four alumni in attendance enjoyed good food and warm fellowship. It is hoped that more members of the Association will take advantage of this festive evening in the future. Meeting one's classmates again, renewing their acquaintance and they yours, is always a valuable and rewarding experience.

## National Conferences

The 1981 CSCE Conference and the 5th Canadian Hydrotechnical Conference are to be held on the campus of the University of New Brunswick, Fredericton, N.B. on May 26 and 27, 1981. In addition to the formal conference proceedings, short courses will be held on May 25 and on May 28 and 29. Post conference tours will take place on Thursday, May 28. For more information concerning the 1981 CSCE Conference contact: Prof. Ira M. Beattie and for the 5th Canadian Hydrotechnical Conference contact: Dr. Dale I. Bray. Both persons may be reached at The Department of Civil Engineering, University of New Brunswick, P.O. Box 4400, Fredericton, N.B. E3B 5A3 (Phone (506) 453-4521).



Alf Cornies and friend at the curling lunch

**Invitation & Call for  
Papers  
7th Canadian Symposium  
on  
Remote Sensing  
Theme: DOWN TO EARTH  
MANAGEMENT**

You are cordially invited to take part in this Symposium. The meeting is sponsored by the Canadian Remote Sensing Society of the Canadian Aeronautics and Space Institute. The technical program will feature papers reflecting recent developments in: Sensors, Data Acquisition, Processing and Analysis, with special emphasis on — The Application on the Management of Natural Resources.

Proposals should include: Title of Proposed Paper, Author's name, address and affiliation, and Abstract of paper's technical content, 200 words. In order



**Academic curlers**

for papers (English or French) to be considered for inclusion in the program, proposals must be received no later than May 15th, 1981. Authors of papers accepted for presentation will be notified by June 30, 1981. Please submit proposals to Technical Program Chairman, G. Spafford, P. Eng., c/o Manitoba Remote Sensing Centre, 1007 Century Street, Winnipeg, Manitoba R3H 0W4.

### Alert!

Possibly you have thought as I have that fluoridation is well-documented advance of science in aiding our general health. We were aware that there are advocates and protagonists on the question, but we have accepted almost unquestioningly the pronouncements of prestigious individuals and organizations on the subject.

Lately in "Fluoridation; The Great Dilemma" G.L. Waldbott, MD, A.W. Burgstahler, PhD and H.L. McKinney, PhD (Coronado Press, 1978) present a well-documented examination of our controversial and highly questionable practice of adding fluoride salts or acids to public water supplies, particularly when there are other successfully demonstrated ways to achieve the claimed benefits without risk.

Even if the benefit were unequivocal, the evidence of serious and chronic disease from the expected dose levels and the death and extensive acute fluoride intoxication symptoms attributable to accidental overdose (Annapolis MD 1979) raise questions about this greatest mass medication in history.

According to an editorial in the April 1980 American Laboratory, "The

claimed benefits, reduced incidence of cavities, receives only tenuous support from awkwardly selective statistical adjustments and spans". In "Fluoridation" the conclusion is reached that "What began as a triumphant march of the forces for public health — as a significant victory of science over disease — has ended in a non-scientific promotional effort where reason is subservient to methods, abhorred by science, where unequivocal scientific facts have been ignored and where scientists with adverse evidence have been denigrated and labled".

According to one authority 4.0 - 5.0 mg may be the limits of fluorine which may be ingested daily without appreciable hazard of body storage of fluorine. Estimates of the daily intake of fluoride from food have increased due probably to increased Fluoride contamination in air and vegetation and greater use of fluoridated water for processing food.

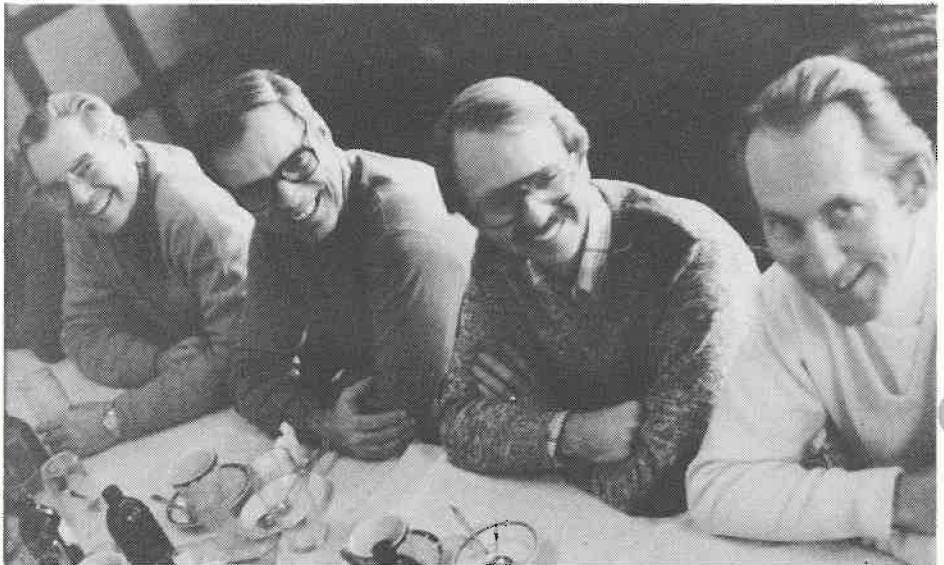
	1943	1949	1974
1 - 12 year old/ healthy adults	.03/.56 mg	.2/.3 mg	1.7/3.4 mg

The (U.S.) National Research Council considers the average water intake for healthy individuals to be 2L/day. Thus the average total fluoride intake/day 1ppm (1mg/L) may easily exceed the 5 mg/day level considered hazardous by some. (Winnipeg water dosage is 1ppm, running currently at 0.93 ppm.).

Balance studies show that 80% of fluoride present in food and 90% in drinking water is absorbed by the body.

Persons with diabetes and nephritis, who are particularly sensitive to fluoride and yet consume large amounts of water, may have substantially higher fluoride burdens. The practice is acutely dangerous to renal dialysis patients.

Ironically the claimed reduction in dental cavities appears in part to be only



Curling Athletes in training in between games

retardation in the eruption of teeth, possibly due to fluoride-induced suppression of thyroid function; after three to four years the rates of tooth decay appear to be equal in fluoridated and nonfluoridated communities.

Excess fluorides appear to affect the tooth structure detrimentally so that repair is more difficult.

So there you are; maybe we'll stick to tooth paste and give up the water. — E.A.S.

## Courses

Colorado State University offers courses on various engineering topics. For information write to the Engineering Research Center, Colorado State University, Fort Collins, Colorado 80523.

## Awards

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



Associate Editor Laurie Schmidt



President Rudy Isaak with shadow and curling victors

## Bureaucracy

Will the real Minister of Finance please stand up! We thought we knew who the Minister was but just to make sure we called Revenue Canada. The person answering the telephone did not know. She inquired of someone else who didn't know and suggested another Revenue Canada number. We called there. No one there knew. Where would they suggest we direct this inquiry? "To the Legislature", she replied. We explained that we knew who the Provincial Minister of Finance was. We wanted to know who held the job in Ottawa. "Call Statistics Canada". Did she know that number? No. So we looked it up and dialed Statistics Canada. Didn't know. Would anyone in the Department know? She would inquire. It was, as we had thought, Allan MacEachen. Could we have the correct spelling please. Nope.

To divert ourselves from this inefficient bureaucracy we turned our attention to the morning's mail. "Your letter, postmarked February 18th in Winnipeg, arrived here (Victoria, B.C.) on February 27th, in the same mail as a letter postmarked February 19th in Toronto".

Back to Yoga.

# THOMPSON CAPTION CONTEST

