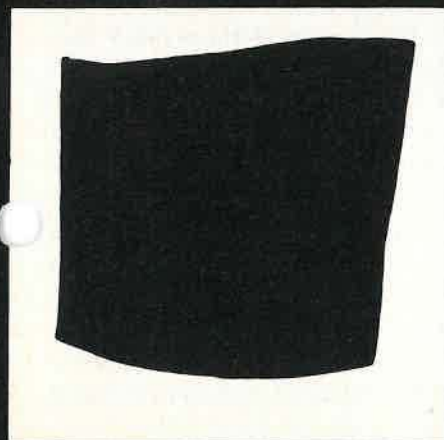


Bulletin

February

81

*The
Manitoba
Professional
Engineer*



Published by the Association of Professional Engineers of the Province of Manitoba
640-175 Hargrave Street, Winnipeg, Manitoba R3C 3R8

President — R.C. Isaak, P. Eng. Vice-President — K.M. Jardine, P. Eng.

Council — D.E. Cross, R.R. Foster, R.W. Haywood, F.A. Jost,
J.W.J. Lewis, A.G. McNichol, W. Saltzberg, G.W. Swift

The Manitoba Professional Engineer is published under the direction of
the Bulletin Committee.

Editor — R.A. Kane, P. Eng. Associate Editor — L.F. Schmidt, P. Eng.

Committee Members — E.A. Speers, C.H. Templeton, O.A. Rogers,
B.V. Halkewycz, E.W.J. Clarke, R.G. Piotrowski, S.M. Matile,
S.J. Armstrong, J.S. Heuval, G.A. Smith, W.P. Steadman

Correspondents — F.S. Gira, Flin Flon; D.S. Taylor, Lynn Lake-Leaf Rapids;
B.E. Maxfield, Thompson; J.R. Saltvold, Pinawa

Production Manager — Loreen Dunklee

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

WINNIPEG, MANITOBA, FEBRUARY 1981

President's Message

By R.C. Isaak, P. Eng.

My term of office began somewhat less than auspicious. Our Managing Director, Secretary and Registrar, Terry Algeo, has had to take a two month sick leave. In his absence Mrs. Dunklee has been put in charge of the office, while Ken Jardine, Vice-President, has been appointed Secretary and Registrar by Council. Under this arrangement the office and business of the Association are running very well. All due credit must be given to Loreen Dunklee, Ken Jardine, Monica MacWilliam, Joan McKinley and Carol McGirr; without their help my presidency would have started with even greater difficulty.

In addition to the ongoing work of the Practice and Ethics Committee, two other Committees are working especially hard this term to complete their

assignments. The Ad Hoc Committee to review the Code of Ethics is soon to report to Council and it seems that they will be bringing forth a major overhaul of the format of our Code of Ethics, and changes to the content. The Legislation Committee is working hard on the Act and By-laws with a report due in early Fall. The reports of these latter committees will require serious review by both Council and the membership and I would ask that you all gear your thoughts to the subjects of Ethics, Act and By-laws.

I had the pleasure of representing the A.P.E.M. at the Annual Meeting of the Manitoba Association of Architects. Items under discussion included new premises, suggested fee schedule, public relations, relations with central organi-

zations etc. The similarity of subject matter to ours and other professional associations was brought home again in an informal meeting with the professions of law, medicine, dentistry, pharmacy and accountancy, set up under the auspices of the Manitoba Dental Association.

The President of the Manitoba Dental Association felt there were items of common interest such as relations with Government and the media, fee sched-

ules, memberships, and wondered whether other professional groups saw a need to get together and discuss such matters. A commonality of interest was evident and the meeting was so successful that we collectively agreed to meet again at our office sometime in April.

Although my year may have started with some difficulty I have still enjoyed my time to date and look forward to a successful year.

Council Meeting of November 3, 1980

By B.V. Halkewycz, P. Eng.

Seven members of Council were in attendance when the November meeting started shortly after 3:30 P.M. Prior to commencement of the agenda, Walter Saltzberg, vowed to chair his last meeting as President in an expeditious manner. John Lewis followed with a brief period of jokes.

After a review of the amended agenda, the Minutes of the Oct. 6, 1980, meeting, with amendments were approved.

First in business arising was a notification that a joint meeting of the A.P.E.M. Council and the Board of Directors of Manscett was to be held at 5:30 P.M. on Wednesday, November 5, 1980, at the Holiday Inn. The meeting, chaired by Mr. Isaak, was intended to provide an opportunity to exchange information and views concerning recognition of technologists.

D.A. Pashniak, P. Eng., was nominated to represent the A.P.E.M. on the M.D.I. Awards Committee for the 1982 Premier's Award.

Next on the agenda was a review of a report from the A.P.E.M. Committee

studying the code of ethics. Council received the report for information and directed the Committee to continue. Questions concerning the study should be directed to E.F. Glass, P. Eng., chairman of the study group.

Following discussion on Association pension plan amendments, accounts, licences, engineering graduates and transfers were approved. During this period Council congratulated itself for its foresight in relocating to Hargrave St. in that the previous premises of the Association at Lombard Ave. recently received extensive damage due to a fire at the Chamber of Commerce Suites.

A review of the 1980 estimated expenditures and 1981 Draft Budget led to Council's amendment and approval of the Budget. A condensed statement of the Budget was to be available to Association members at the 1980 Annual General Meeting.

Moving through a number of short agenda items, such as minutes of meetings of the Admissions Review Board, appointment of Dennis B. Sigurdson to the Asbestos Committee (Workplace

Safety and Health Branch), Council next discussed various past and forthcoming meetings to be attended by Council members.

President Saltzberg informed Council members of plans for the Annual General Meeting, and Mr. Algeo reported on the Oct. 15, 1980, Brandon Area meeting. The guest speaker for the Brandon Meeting was R.M. Herbert from K Cycle Engines Ltd. President Saltzberg then provided information on his excursion at the annual A.P.E.B.C. Meeting (British Columbia) held on Oct. 23, 24, 1980. It seems that "while taking a stroll on the streets at 3 A.M. . . ." "Walter became involved in vigilante action in assisting the local constabulary. And who says Manitoba Engineers are dull fellows.

Following approval of amended Awards Committee Terms of Reference, A. Round, P. Eng., Chairman of the Salary Schedule Committee, appeared as a delegation to speak to the Committee's recommendations on the proposed 1981 Salary Schedule. The Committee recommended that the salary curves for July 1, 1980, be adjusted upward throughout their entire range by ten percent to arrive at the recommended curves for July 1, 1981. There was some philosophical discussion as to whether a flattening of the curve at the top range is appropriate. However, following the defeat of a motion to lower the adjustment to 9 percent, the 10 percent adjustment was moved and carried.

At this time Dick Johnson brought forth some excellent "unblended" refreshments to toast the success, and thank the work effort, of the 1980 Council. A carrot cake was presented to President Saltzberg. The cake was delicious

and technical discussion commenced as to the meaning of the carrot cake presentation to Walter.

The meeting was adjourned expeditiously at 7:15 P.M.

The next meeting of Council was scheduled for Monday, December 8, 1980.

Council, Cake, and Crusty Bun Sandwiches

By R.A. Kane, P. Eng.

At 3:30 in the APEM's board room on January 12 a group of men and one woman huddled together to discuss the matters of concern to our Association. It goes without saying that each matter was dealt with fairly, with great care being taken to assure themselves that they did what was best for the members.

The initial item of business was a letter received from the President of the Board of Directors of Manscett, Mr. W.A. Mogk, who said that he thought that further discussions centred on a legal procedure to obtain joint recognition of Manscett members and APEM members should not be acted on. He, however, still wants to keep in touch so that items of mutual concern may be discussed hence some liaison was being solicited. Council decided in favour of a meeting between the APEM and Manscett.

It says somewhere "let your fingers do the walking", but as they do in the next issue of the Winnipeg and Manitoba telephone directories, pause for a moment under the section reserved for engineers, where Council will have an ad placed.

The next six items of business went by with relative ease, save for a brief

moment of concern when Ken Jardine (Registrar) could not find one applicant's file. Fortunately for all Loreen Dunklee was able to pin down the elusive file and so all items were passed in the matter of licences, registrations, reinstatements, etc.

Committee ratification took place with little fanfare. Council held a vote to elect a fourth member to the Executive. After one nominating round and a secret ballot Dave Cross assumed that role.

It might not be great reading but the foregoing got us to 6:30 and a break so that all those present could indulge their palates on sandwiches, coffee and soft drinks. Then came the "piece of resistance" (Anglo Canajun) a cake to celebrate Walter Saltzberg's 50th birthday. Council and others sang out of tune and wished Walter well.

With all the good stuff behind them Council plunged back into it with a report given in person by APEM's C.C.P.E. Director, Richard Johnson telling of the last meeting and getting Council to ratify those things requiring their blessing. Richard spoke of C.C.P.E.'s identity problem with many members. Few understand its function since few can actually realize any tangible fruits from its existence. Dick pointed out quite correctly that C.C.P.E. has 100,000 engineers with approximately 80% coming out of Ontario, Quebec, B.C. and Alberta, hence as members from a very small body our presence is not quite so significant. However we do derive benefits beyond our input. Specifically C.C.P.E. works in three areas to support the constituent associations.

Dick feels the benefits are in three areas:

1. General

C.C.P.E. groups such as the Canadian Accreditation Board which give uniform criteria to maintain levels of engineering education etc. across the country.

2. National Representation

An example is the National Research Council where C.C.P.E. lobbied for engineering recognition and got it so that it is now called The National Research and Engineering Council. They lobby on behalf of all engineers on a national basis in Ottawa.

3. International Representation

From time to time international meetings are held and the Canadian engineering viewpoint is given by C.C.P.E.

While these actions are not obvious by the fact they are done, it is apparent that, were they not done, the situation would be chaotic.

A letter of information was read where Rudy Isaak had written to the Hon. Gerald Mercier, Attorney-General for Manitoba voicing some strong concerns on a proposed new Builders' Liens Act. In essence it would create major problems in the collection of engineering fees since civil action would be overridden by this law which tied the fees to a building which may or may not be built. A meeting is slated on January 16.

A Spring dance will not be held this year due to spiralling costs and falling attendance. The Social Committee is charged with seeking a fresh approach which may revitalize interest.

Members of the Executive and their wives are heading to Thompson February 12 and 13 with a possible side trip to Gillam. Going are Rudy Isaak and Ken Jardine with their wives plus Ben Rogers, Bulletin photographer, and Lorean Dunklee.

Council is going to send Grant McNichol as an observer to the next CAB meeting February 26 and 27 in Montreal. Ken Jardine gave a brief review of his observations at the last meeting.

Council concluded proceedings on two final points. First they deferred a vote on Portable Pensions to another Council meeting. Second a letter issued by the APES (Saskatchewan) stating that a Mr. S.K. Sivam who is registered in Alberta but had practised under licence in Sask. had been expelled due to professional misconduct. This was a notice given to all Canadian Engineering Registration authorities dated December 23, 1980.

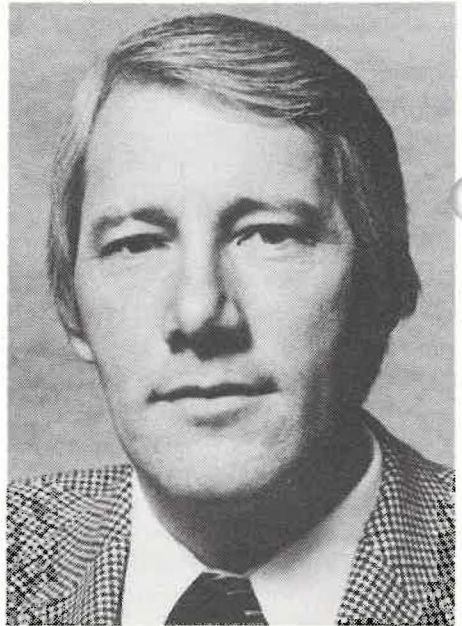
Council adjourned at 8:30 P.M. to digest a full agenda well covered and the Birthday Cake earlier presented to Mr. Saltzberg and shared by all. The exceptions were Ken Jardine who went to go curling, Mr. Saltzberg who went to receive more cake etc. for his birthday and yours truly who had a hockey game.

Rudy C. Isaak, P. Eng.

The election of Rudy Isaak to the Presidency is the culmination of seventeen years service to the Association. During this time Rudy has made a significant contribution to the Social Committee, Bulletin Committee, Annual Meeting Committee and the Public Relations Committee. For the past four

years he has served on Council, holding the office of Vice-President in 1980.

Born and educated in Winnipeg, Rudy graduated in Civil Engineering from the University of Manitoba in 1959. Following graduation Rudy worked for a short time with the Highways Department before joining Templeton Engineering Company (now I.D. Engineering Company). Except for a return to the University for two years, he has remained in the consulting business and has been a Partner in I.D. Engineering for a number of years.



R.C. Isaak, P. Eng.

While he gives one the impression of a worldly playboy, Rudy is none-the-less a devoted family man. He and his wife Gail have two daughters, Pamela, eighteen years old, and Paula, fifteen. Maintaining a large house, plus a cottage at Victoria Beach for his harem, keeps

Rudy in a constant state of bashed thumbs and aching back. He is now a strong advocate of using sound ladders and equipment.

In an attempt to foster the image of a "man-about-town", Rudy drove a racey foreign car for a period of time, but alas, this came to an end when the fender fell off and the engine quit. One might question the motives of the engineer in the company who purchased the remains from Rudy - was there coercion applied? The truth may yet come out when his presidency is examined by future investigators.

During the coming year, we can be confident that the Association will be in good hands, Rudy's long service with the Association makes him well equipped to carry out his duties and the trust placed in him. We wish Rudy well in his year as President. — L.F.S.

APEM AGM

By S. Matile, P. Eng.

A more efficient business meeting has not been conducted by the APEM since the days of the 30 cent pack of cigarettes. The Association's business for the entire year was dispensed with before 11:00 a.m., and those in attendance actually had to congregate in the hallways of the Holiday Inn, spilling coffee and waiting for the bar to open.

The meeting was called to order promptly at 8:30 a.m. on Friday, November 21, 1980, by President Walter Saltzberg, who elected not to stand on a chair for this occasion only. The President introduced special guests in attendance, including the Presidents of the CCPE, Manscett and the B.C., Alberta, Saskatchewan and Ontario

Associations, the Vice-President of the Manitoba Association of Architects, the General Manager of the CCPE and Andy Gilliland, a Past President of the APEM. Out of town delegates included Blake Maxfield (Thompson), Don Taylor (Lynn Lake), Frank Gira (Flin Flon, Jan McKay (Brandon), and Jim Saltvold (Pinawa).

Attendance in general was so low that, as Charles Bouskill pointed out, it would have been easier to introduce the Winnipeggers to the out-of-towners, rather than vice versa.

Early bird draw prizes (\$25 gift certificates at MacDonal'd's) went to Dean Gould (this cheered him up immeasurably as he lay in bed with one of the 563 strains of influenza going around at the time) and Warren McCulloch (who managed to be there to collect his prize).



At the annual meeting dinner President Walter Saltzberg looking bemused as three gerbils are presented to him following the arrival of a bowl of goldfish. (A rabbit followed.)

The head table was introduced (John Lewis, where were you?) and the minutes of each of the November 1979 Annual Meeting and the April 1980 Special and General Meetings were read and adopted. Then came the results of the election of councillors. Of the 2,618 ballots mailed out, 704 were returned, resulting in the election of Rudy Isaak, Ken Jardine, Dick Haywood, Grant McNicol and Bob Foster to Council.

The Auditor's report and the Budget were then adopted, and Barry Rowley, John Fulton and Ian McKay were elected to the Nominating Committee.

An engineer with Manitoba Hydro asked what is being done about the Tritschler enquiry. He feels that the public has a low opinion of Hydro Engineers. Stu Buckler, Chairman of the Practice and Ethics Committee, announced that the committee's investigation is basically complete, but couldn't say when the entire matter would be wrapped up (or unwrapped).

Pinawa's delegate, Jim Saltvold, moved that the Bulletin Committee place articles of importance at the front of the publication instead of the light, humorous articles usually found there. He was asked what was so humorous about the President's Message and the minutes of Council Meetings, and was invited to send articles or join the Committee. His motion was defeated.

Next came the Salary Recommendations for 1981. At this point, George Pratt left the room since many of his employees were in attendance. Apparently, salaries are still not up to those offered in Alberta. Would any employer paying salaries within 20% of those rec-

ommended, please contact the Bulletin Committee and enclose job application forms.

Corporate Practice! This was approved at the last meeting, presented to the Attorney General, who suggested that the medical, dental and engineering professions have separate charters. The Legislative Committee is working on it.

Ted Speers announced that a charter has been obtained for The Professional Financial and Savings Credit Union, and that there would be a meeting on November 27th at the Carlton Club, to discuss the matter further.

Accreditation Update. Glenn Morris, Associate Dean of the University of Manitoba Engineering Faculty, and Chairman of the Accreditation Board, announced that the University was asked to submit a report regarding its responses



President Walter Saltzberg presents the Outstanding Service Award to Ted Speers at the annual meeting Awards Luncheon. Ted transferred to the A.P.E.M. from the B.C. Association in 1960, and since that time Ted has contributed 31 years of committee work to the Association.

to the criticism by the CAB. The Board had responded just a week prior to this meeting and the Dean had not had a chance to discuss it with the Faculty. However, the Faculty has received a grant from the Department of Tourism and Economic Development for \$350,000 this year, over \$700,000 next year, and \$1,000,000 the following year. Dr. Morris feels that conditions at the University have already greatly improved over the past three years, but he is still anxious to implement major changes with his new-found wealth and power.

The meeting closed with greetings from the CCPE and the four other provincial associations. Pieter Van Vliet, CCPE President, told us that Engineers' salaries are currently lagging 2.3% behind the cost of living index. Phil Seabrook, President of B.C.'s Association, stressed the importance of public relations, and of having a good public image. (B.C.'s Public Relations budget is \$35,000 compared to our \$500!) Saskatchewan's President, Bert Lukey, noted that many of his province's engineers are licencees - and that now, to obtain a licence to practise in Saskatchewan, an engineer must have **five** years' experience. John McDougall, President of the Alberta Association, informed us that Alberta now has an Architects' Act (it has just gone to the Legislature), and that their Association publishes a first-rate monthly newspaper for its members. Finally, Dick Dillon, President of the Ontario Association, announced that his Association is considering different grades of membership, and is looking at including technicians and technologists.

We regret to record the death of
J. E. Wachowich, P. Eng.

News from Pinawa

By J.R. Saltvold, P. Eng.

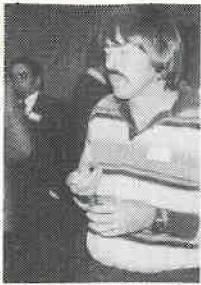
A highlight for the members at Pinawa and Lac du Bonnet during 1980 was the visit on September 30th by President Walter Saltzberg, Managing Director and Registrar Terry Algeo, Faculty of Agriculture Professor H. Lapp and Council members R.C. Isaak, K.M. Jardine and J.W.J. Lewis.

Following a hospitality half hour, Terry gave a few words of greeting and Walter gave a short talk on the activities of the A.P.E.M. Two topics he discussed were the accreditation problem of the Faculty of Engineering, and the Ontario paper "The Report of the Professional Organization Committee". After his talk Walter opened the meeting for questions. I questioned the quality of the Bulletin. Walter stated that the Bulletin Committee receives very little material from the members and that members who would like to see the Bulletin improved should send in material. He said the Committee is willing to consider publishing any material members send in. Subsequent to the meeting, Walter asked me to be correspondent for Pinawa.

After the question period, Professor Lapp gave an informative talk entitled "Alcohol Production and Use as a Fuel". There appear to be many hurdles to overcome before ethanol, produced from vegetation, can be extensively substituted for gasoline. However, methanol, produced from natural gas, is another possible substitute which is worthy of more consideration than it is receiving.

We express our sincere thanks to Professor Lapp, Walter, Terry and the Council members for taking the time to visit Pinawa.

WINNERS — CAPTION CONTEST



**"Just one more
martoonus, please!"**
(Joan Sommerville)



"Who? Little old ME?"
(Joan Sommerville)



**"Mr. Chairman, may I
please lease the room?"**
(Joan Sommerville)



"I ken grow a beard too."
(Karl Hesse)



**"Believe me, my hand can
waterwitch."**
(Karl Hesse)



**"Slip out to the patio in
10 minutes."**
(Murray Duclos)



**"Darn, I just got
them out of the
cleaners."**
(J.S.)



**"See, my hair is real,
but what about your beard?"**
(Karl Hesse)

Lynn Lake — Leaf Rapids

By D.S. Taylor, P. Eng.

Hello again from the North, where right now we are enjoying the warm weather of southern Manitoba.

I would like to thank the A.P.E.M., Past President Walter Saltzberg, and the staff of the A.P.E.M., for inviting us to Winnipeg for the A.P.E.M. Convention in November. It was a short meeting, with the highlight being the ball featuring Chicken Walter.

We have several new developments in the north, the first being the announcement by Sherritt Gordon Mines Ltd. of the opening of the Agassiz Gold Mine, located 4 miles from Lynn Lake. Shaft deepening is to be started immediately, and the drill crews should be in operation by early summer. This should give the town of Lynn Lake a real boost with at least 100 new employees needed for the operation.

At the Ruttan operation, our 10,000 ton per day open pit was shut down in December, and mining production is now coming up the 2000 foot long conveyor system from the decline underground. We are encountering the usual teething pains in getting full production, but persistence of our engineering and production people should soon pay off.

Another new operation starting at Ruttan is the backfill plant. The system uses leftover material from our milling operation (tailings) to refill the mined-out area's underground. The system uses water cyclones to separate the mill tailings by size, then a second plant one-half mile away to partially dewater the material before it goes underground. This system has a mini computer for control, and remote start-up and shut-

down, to prevent the occurrence of fine fluidized material, which would be a great hazard underground.

At our Fox operation we now are in the testing stage of electric trolley scooptrams. A scooptram is like a large front-end loader, low to the ground, the ones here are electrically powered. One of these units uses a large extension cord to get around. The latest unit uses a T beam trolley system which has a four wire power system. We use three contactors for the 550 volt 3 phase power, one for ground, with ground fault protection by high frequency down one phase. This trolley system gives us a machine which can move considerably faster than the real cable electric machine. This system is a prototype and the only one in Canada.

We have had some personnel movements during the last few months, with the departure of Ken Major, P. Eng. to sunny British Columbia, and Rob Robinson, E.G. to Noranda Mining. I would like to welcome M. Tilley as an E.G. to Sherritt operations in the north.

Goodbye from the north, will write again in the spring.

Congratulations

Paul C. Baracos received 100% in the Professional Practice Examination now required of all those who apply for registration, a licence or engineering graduate status. We can't say 'Like father, like son,' because when Father Andy was registered the examination was not required. Sometimes it's as well that comparisons are not possible. Certainly Andy could have done no better than Paul, of that we are certain. Congratulations, Paul.

LOREEN DUNKLEE, V.I.P.

Those of us who have known and worked with Loreen Dunklee over the years heartily concur with the action of Council in presenting Loreen with a gold watch and an inscription after twenty-five years of putting up with the foibles of engineers and enduring the annual "changing of the guard" on Council.



It would be difficult to express our feelings in any better way than to use the words on the inscription given to Loreen, and which now graces the wall of her office . . .

In recognition
Of service rendered
The Association
Well remembered,
This presentation
For advice tendered
With warm affection
It has engendered

Acknowledges

The quarter century of faithful services
to the engineering profession in
Manitoba

by

M. Loreen Dunklee

January

1956—1981

Presented at the APEM Annual
General Meeting
November 21, 1980

. . . except to say, "Thanks from all of us!"

AU REVOIR WALTER

At the annual meeting the gavel passed from Walter Saltzberg to Rudy Isaak and Walter became the Association's fifty-third Past President. During his year Walter reigned with decisiveness, diligence, initiative, dedication, pride, humour and flair. His efforts must have met with general approval of the membership, because the business portion of the annual meeting was over almost as soon as it began. There was no roasting of the President nor of Council.

Walter made weekly pilgrimages to the office to work with the flock, the same flock that he led to new premises in September. He gave up his holidays to Association business. He presided over meetings in Thompson, Lynn Lake-Leaf Rapids, Flin Flon, Brandon, Pinawa, and a Special and a General meeting in Winnipeg. No one who asked Walter Saltzberg the question about the A.P.E.M. "What is there in it for me?" is likely to forget the answer or ever ask such a question again.

Walter Saltzberg is proud to be a professional engineer, proud to serve on Council. He tried to inculcate this professional pride in others. No job was too tedious or too onerous, and what seemed impossible to others he could accomplish. Along with his tenacity and assiduity Walter has a great sense of humour and a tremendous flair for the dramatic. Past President Doug Grimes is not likely to forget the afternoon he sat in his board room at a serious meeting with other members of the firm, the door burst open, an attractive young lady headed straight for Doug, kissed him and handed him a bottle of Crown Royal. Walter was paying off a bet.

When the President of the B.C. Association and his wife arrived in their room prior to our annual meeting they found a table set for four for dinner — small cans of beans and spaghetti were at each place. Walter was paying off a 'dinner for four' bet.

Fortunately his experience is not lost to us. He will serve as Past President this year and will remain on Council until the next annual meeting. After that he will graduate to the Awards Committee which is composed of the six most recent past presidents.

He is destined to enliven any group with which he is associated and to keep it from straying from its fundamental purposes.

Brandon Area

By I.H. McKay, P. Eng.

The second meeting this year of the Brandon Area Professional Engineers and Technologists was held on October 15, 1980 at Harry's Ukrainian Kitchen. There was a good turnout and we were

honoured again to have President Walter Saltzberg and Registrar Terry Algeo join us along with Councillors Dave Cross and Ken Jardine, and guest speaker Mr. Rodney Herbert from K-Cycle Engines.

While there was a bit of confusion as to when we were to be fed, the meeting turned out quite well. Walter and Terry graciously picked up the bar tab, which was appreciated by everyone. There were rumours later that supper had intentionally been delayed by some thirsty engineers.

Our guest speaker, Mr. Rodney Herbert gave a presentation on the K-Cycle Engine. Mr. Herbert himself has had a very interesting career working on a number of development projects with Rolls-Royce and Pratt and Whitney prior to joining K-Cycle Engines. In his present position as Manager of Engineering, he was able to give us first hand information on the development of the K-Cycle Engine. Although there have been a number of development problems, it appears that this engine is a viable product.

My wife and I were fortunate to have been the guests of the Association at the Annual Meeting in November. All aspects of the meeting were very well planned, and it was very obvious that a lot of people had put much time and effort into ensuring that the meeting went over so well. I would like to express the thanks of the Brandon Area Engineers, to all those who made the meeting such a success, and as well, the appreciation of my wife and myself for the hospitality we received.

Although no details have been finalized, the Brandon Area Committee has meetings planned for January, April

and June next year. We are hopeful that through these meetings we will be able to generate more input to the Association from the rural members.

I have recently moved from Brandon to Winnipeg and must resign as the Brandon Area Chairman. I have asked Ray Cruikshank to get things going for the next meeting in January at which time a new Chairman can be selected.

Katzenjammer Curling

The first shock of the day was to discover that the Hallson, Stewart, Morris, Bukoski rink had made it into the finals (we won't say which event) by 11:02 in the morning. This is a new record. Bill Mackenzie, who loaded his rink with Councillor Grant McNichol, didn't reach the final event until 11:30. This event was not scheduled until 3:30 so there was a long layover.

Barry Tinkler had recovered from his Christmas bout with the flu to come in from Carman with Bob McKibbin and Carl Wiebe. Barry reported that it was the first Christmas day on which he had lost weight.

Cal Moon came in from Portage with his rink and Doug Struthers (alias Strithers) and Ed Lipinski arrived from Steinbach. Art Sparling, Art Carlson and Bill Beley seemed to spend a lot of time as spectators but when the prizes were announced their names were called.

Al Francis dropped in for lunch to make sure the boys who took the day off to curl were indeed curling. (Some were borderline cases.) Past President George De Pauw also dropped in for lunch.

Although they didn't make it to the winners' circle a special 'entertainment'

award went to the Oppenheimer rink. Oppenheimer, McPhail, Brown and Neufeld are obviously natural athletes — and they became more and more natural as the wineskin emptied. THE game of the day was the game between Oppenheimer and Arnason at 3:30. Oppenheimer lost the 8:00 a.m. game to the Buchinski team by a score of 11-0. They were faced then with a choice of a crash training program or sitting down and discussing strategy over liquid refreshments. Obviously they made the right decision because in one of the most hilarious curling games in all history they toppled the Arnason, Marshall, Langman, Clark rink on the last draw of the day. Frank Arnason, who was once hit on the head by a golf ball at one of our golf tournaments, said this was a similar blow.

The big winners of the day were Wopnford, Wolfe, Whalen and Stefan-son. The second classiest curlers were Davies, Pyl, McNichol and Chapman. Past President Clyde McBain won the B event with help from John Ross, Bryan Norrie and Past President Doug Grimes. Second in the B event were Patterson, Boyd, Man and Dern (the Arbog entry). Winners in the C event were Sparling, Beley, Clayton and Carlson. Second in the B event were Hansch, Woytowich, McCasin and Knight. The booby prize went to Stephen, Chambers, Willing and Kuluk.

President Rudy Isaak, Vice-President Ken Jardine and Councillor Grant McNichol showed what good sports they were by letting all the prizes go elsewhere, presented by President Rudy Isaak.

The Sports Committee ran a clean tournament — their members didn't win

anything for curling. Arnie Permut gave us the explanation. He came in second in every game. Sandy Gibb did save some face for the Committee by winning the award for best dressed curler because his underwear matched his red and blue sweater (in at least one of the colours.) Bryan Norrie won the prize for the worst dressed — the sleeve of his sweater was covered with 'patches.'

Thanks to Canada Portland Cement for donating prizes. And to the Committee who ran the tournament — Chairman Vic Becker, Al Bischoff, Arnie Permut, Landis Krause, Alf Cornies and Sandy Gibb, ably and decoratively supported by new staff member Carol McGirr, Ben Rogers took the pictures. — S.J.A.

P.S. Barry Rowley survived and to prove it he came limping into the office the morning after the bonspiel. At least we think it was Barry.

Call for Engineers

Friday, March 20, 1981 is Thesis Day in the Department of Electrical Engineering at the University of Manitoba. This year we, in the Department, have 60 students who will be working on 48 projects.

For the last seven years the Department has required each member of the graduating class to make a formal oral presentation of his/her graduation thesis. Each student is allotted approximately 20 minutes to illustrate and outline the project, and then to answer questions from members of the panel and the audience.

The thesis, as well as the oral presentation, has been judged in the past by

Professional Engineers from outside the University, and we are again issuing our annual appeal for volunteers from the Profession to assist in grading a thesis and/or in judging the oral presentation. If you wish to volunteer or would like more information, please call the Electrical Engineering Office at 474-9604.

Starting next year the graduation thesis will be expanded to a full year from a half course, and the Department is looking forward to more industrial involvement. We hope to expand the number of industrially generated projects thereby assisting local firms, while providing the students with useful and practical projects. We would like to alert small and medium-sized manufacturing firms, which have limited or no electrical engineering resources, that the National Research Council of Canada has a number of programmes available to assist them. The Science and Engineering Student Program (SESP) is designed to assist firms in solving short-term problems by the "in-plant" use of students closely supervised by qualified professional personnel. The Government of Canada will contribute towards the student's salary and will provide the supervision and guidance to the students.

Other programmes encourage firms to use external research and development facilities in selected organizations, universities, or research laboratories. The Department of Electrical Engineering is most anxious to co-operate with local firms in these programmes. Please do not hesitate to call to discuss any of these programmes with us or to suggest a suitable project. Call the secretary at 474-9603 who can direct your call to the appropriate staff member.



President and Mrs. Saltzberg and Past President and Mrs. Antenbring leading off the Grand March at the annual meeting ball. Mr. Antenbring was the senior Past President at the event.

University President Marinated

Dr. Ralph Campbell and Mrs. Ted Speers share the good sportsmanship award given for the first time at an annual meeting. Ted Speers, whose many talents were recognized at the luncheon when he received the Association's Outstanding Service Award, decided to expand his services at the dinner. He volunteered to be the wine steward at the table where University President Campbell was seated. All went well while Ted carried the tray of glasses from the bar to the table and then — oops. So sorry Dr. Campbell. So sorry Jean. (Speers). Can I wring you out, Dr. Campbell, or would you rather hang up to dry?

Resignations

The following resigned their memberships effective December 31, 1980:

I.C. Agreda, A.C.R. Albery, A.M. Anderson, J.N. Arabasky, R. Bandy, S. Barkwell, K.J. Blore, K.G. Boese, J.B. Campbell, W.K. Clawson, I.S. Comfort, C.I. Dunham, D.A. Emberley, O.J. Ewanchyna, S. Freitag, M.W. Hawrylak, K.Y. Hon, F.L. Jagodits, L.L. Kitchen, E.A. Koziacki, B.D. Krysa, A. Kumar, P.T. Lim, L. Lisowski, A.R. Low, G.A. McCreary, C.L. McGowan, D. Meyer, C.R.D. Miller, J.K.F. Poon, S. Ray, J.D. Ross, B. Sakdinan, D.O. Stapleton, G.V. Thompson, T.R. Thompson, A. Vizer, J.P. Wild, G.B. Wiswell, N.A.N. Youssef, S.R. Lipa.

Fees

Following are the annual dues paid by professionals to practise in Manitoba:

Dentists	\$625.00
Medical Doctors	\$205.00
Pharmacists	\$175.00
Architects	\$280.00
Lawyers	\$525.00
Professional Engineers	\$80.00

Chartered Accountants \$235.00
(plus \$75.00 per student)

In addition, some professionals have a voluntary organization. Medical Doctors pay \$405.00 annually to the Manitoba Medical Association and lawyers pay \$100.00 a year to the Manitoba Bar Association.

O Tempora! O Mores!

Is there nothing left that one can rely on in this world? — no immutable and sound base?

Apparently there isn't, not even in language. Oh, not the language that one finds in Webster's. (One can find almost anything in Webster's — even before it's used widely.) But surely not the Oxford Concise!

Nonetheless, there it was in bold print in the OCD just as A. Wexler,

P. Eng. was reported to have said it was: "gust, noun and verb intransitive, sudden violent rush of wind; burst of rain, fire, smoke, sound or passion."

Winds now not only can have gusts in the U.K. but also can literally gust there — as in the U.S. Perhaps next there will be a 'gust, verb transitive'; then we may all gust one another — whatever that may turn out to mean. Disgusting! — R.A.J.



Past Presidents at the annual meeting luncheon — George De Pauw, Scotty Borgford, Ray Chant, Jack Hoogstraten, Gerry Williams, Les Wardrop and Andy Antenbring.

Separatism

In the Bulletin's never-ending efforts to be at the forefront of social planning with an engineering twist, we felt we should be ready with a new name of the country in case the West separated. The Bulletin offers no editorial comment — just sound planning for any eventuality no matter how sour it, (the twist) might be.

There are several conditions to be met:

- The seat of Government should be on a firm foundation and the name should reflect this stability.
- The name should reflect our cultural heritage (i.e. dealings with Ottawa no matter how sour it might be).
- It should portray an appearance of being democratic and efficient.

The name should be "Yuk . . . itoba" — a combination of the names of the most westerly and most easterly provinces — Manitoba and Yukon. The dots would represent the places in between. The people would be known as "Yuks". The flag would be a buffalo chip and a caribou chip rampant on a field of broken promises.

In accordance with our heritage, we, in the east, would expect to rule the new country and those in the hinterland would supply the resources.

The capital would be in Churchill because it already has empty buildings and a rocket range. Parliament would be held on the launch pad. Each chair in the House would be set on the nose cone of a rocket. An activating button would be placed in the constituency. There would be no elections, but a poll

would be taken every six months to see whether each button should be pushed. The Head Yuk's chair would directly be connected to a special gold and ivory button located in the office of the author of the CBC 'National' which will repeat on the hour, every hour, its pronouncement of the leader's popularity as determined by the National.

The bureaucracy would be housed in temporary quarters 3½ miles offshore on the shore ice. A strong S.W. wind in spring time would have a cleansing effect on the whole parliamentary system.

The only permanent establishment would be the Department of Patronage. This would be housed in the old whale-rendering factory. The new odours and the old odours would blend most harmoniously and give a new legitimacy and panache to government.

As a sop to possible future western alienation, a Department of Transportation would be housed in a railway car on the bridge across the Red River on the Bergen Cutoff. The fact that the bridge is being demolished is in keeping with tradition.

As the planning for the new departments and appointees is made, the Bulletin will keep you advised.

Engineering Graduates Enrolled

J.P. Bockstael, H. Rempel, D.L. Rudolph, W.W. Thomas, R. Baschuk, R.W. Diakiw, P.C. Baracos, P.C. Cohoe, W.M. Klymochko, R.G. Kneale, G.W. Mourant, K.D. Russell, G.D. Smith, D.D. Zelich, M. Hawrylak, B.F. McCormac, H.J. Chorney, J.D. Ogrysko, W.A. Schoenfeld, T.J. Stephens.

History Lesson Not Learned

Faced with increasing unemployment and restlessness among the masses and with the omnipresent threat of destruction by war, an edict was issued by the government, denouncing monopolists for keeping goods from the market to raise prices, and setting maximum prices and wages for all important articles and services. Extensive public works were undertaken to put the unemployed to work, and food was distributed gratis or at reduced prices. The government brought nearly all major industries and professions under detailed control. The state became a powerful employer far outreaching the private sector; private industry was crushed with taxation.

To support an ever-enlarging officialdom and welfare programmes, taxation rose to such heights that men lost the incentive to work or earn, and an erosive contest began between lawyers to prevent (or to assist) tax evasion. Thousands fled over the frontier to escape the taxman. To stop the emigration the government issued decrees binding the farmer to his land and the worker to his bench - medieval serfdom resulted. — Durant translated into Newtonese.

Former Manitoba members who were seen alive and well at the annual meeting of the British Columbia Association included Charlie Ripley, David Holloway and Les Swain. There were not enough former Manitobans there (as there were in Alberta) to form a quorum. Former Councillor Jim Rettie was a chance encounter at the Vancouver airport.

March 1981 Iron Ring Ceremony

The major Iron Ring Ceremony covering the graduating class is to be held on Wednesday, March 4th, 1981, at 8 p.m. in the Auditorium of the Tache Hall, University of Manitoba Campus. The Wardens would request those engineers who have been obligated to support, by their attendance, the new graduates on this special occasion. Tache Hall is south east of the Engineering Building and parking will be available around the Administration Building east of Pembina Hall, which is behind Tache Hall, and also around the Arena area.

Following the Ceremony, refreshments will be served during which time there will be an opportunity to meet the new graduates.



Out First Lady, Mrs. R. C. Isaak

Should other engineers wish to take the obligation, application should be made as soon as possible to W.G. McKay, 1479 Buffalo Place, Telephone Number is 284-0580 Ext. 131.

The Wardens would also like to remind all obligated engineers that the Camp still has a requirement for financial assistance and a donation of \$30. to \$50. payable to The Ritual of the Calling of An Engineer - Camp #8 would be most appreciated.

W.G. McKay, P Eng., Secretary,
Camp #8

Prohibitions

Council has asked that Section 28 of the Engineering Profession Act be regularly brought to the attention of members.

28. Save as in this Act otherwise provided, no person shall
- (a) engage in the practice of professional engineering; or
 - (b) assume verbally or otherwise the title "professional engineer", or any abbreviation thereof, or any name, title, designation, or descriptive term, that may lead any other person to believe that he is a professional engineer or entitled to engage in the practice of professional engineering; or
 - (c) act in such a manner as to lead to the belief that he is authorized to fulfill the office of, or to act as, a professional engineer; or
 - (d) advertise, list, display, or use, at any time or in any manner, or permit to be used, at any time or in any manner, in connection with his

name, any name, title, designation, or descriptive term, implying, or calculated to lead any other person to infer, that he is registered under this Act or entitled to engage in the practice of professional engineering, unless he is registered under this Act and is a member of the association or is the holder of a subsisting licence granted under this Act.



President Walter Saltzberg and Past President Andy Antenbring (1942) cut the 60th anniversary cake at the annual meeting dinner and dance.

MOVING?

PLEASE let us have your change of address.

New Members

M.N. Bassim, J.C. Eull, C.A. Graham, D.E. Reid, F.P. Yungwirth, A.S. Murison, D.T. O'Connor, W. Oswald, T.G. Smith, R. Wegner, H.D. Wiebe, A.J. O'Donnell, K.M. Mracek, S. Moskalyk, P.U. Prabhu, I.N.J. Leblanc, J.F. Ross, R.W.J. Baxter, R.G. Boals, W.E. Cooke, D.A. Hicks, W.K. Callander, B.A. McCarty, R.V. Nordlund, K.S. Uppal, S.K. Yee, R.G. Collinson, B. Kohn, A.I. Soti, I.P. Beck, V. Bovan, B.J. Crozier, H.R. Foerster, I.C. Goulter, D.D.S. Liu, G.P.A. Moore, L.L. Parent, J.J. Plant, G.R. Pool, G.A. Quirt, S. Soneff, Y.B. Spivak, R.W.C. Stevens, E. Wilson, M.K. Mosters, J.K. Reichert, W.J. Ripat, W.R. Bailey, P.F. Boland, R.Q. Pinlac, G.E. Yablecki, G.J. Tencha



At the annual meeting — outgoing President Walter Saltzberg has turned the gavel over to incoming President Rudy Isaak and President Isaak is inscribing his name on the scroll of presidents which originated in 1920.

Letters

The Editor

Dear Sir:

May I please use your publication to thank the members of the Association for the watch and the certificate presented to me at the Annual Meeting, as I completed twenty-five years with the Association.

Few people are fortunate enough to have such interesting and varied employment or to work with so many fine, dedicated people as those professional engineers who voluntarily give of their time and abilities in the interests of their professional association and ultimately the public of Manitoba.

My thanks to all of you for the watch, the framed certificate which hangs on the wall of my office and for your many other kindnesses to me over the past twenty-five years. It has been a privilege for me to work for you.

Sincerely,
Loreen Dunklee

Call for Papers

The Sixth Annual Conference of the Institute of Transportation Engineers-Canada will be held at the Empress Hotel in Victoria, B.C., April 22, 23, 24, 1981. The theme of the conference is "Inter-City Transportation and the Urban Scene." For further information please enquire from Dr. T.A. Lambe, P. Eng., Chairman Technical Program Committee, ITE Canada Conference 1981, School of Public Administration, University of Victoria, Victoria, B.C. V8W 2Y2, Telephone 604-477-9111, Telex 049-7222.

FORMER PRESIDENTS OF THE ASSOCIATION

1920 — M.A. Lyons
 1921 — M.A. Lyons
 1922 — D.A. Ross
 1923 — A.A. Young
 1924 — A.J. Taunton
 1925 — C.H. Fox
 1926 — D.I. McLean
 1927 — Wm. Aldridge
 1928 — W.G. Chace
 1929 — C.H. Attwood
 1930 — C.H. Attwood
 1931 — R.W. McKinnon
 1932 — J.W. Sanger
 1933 — J.W. Sanger
 1934 — H.M. White
 1935 — J.N. Finlayson
 1936 — A.L. Cavanagh
 1937 — E.V. Caton
 1938 — P. Burke-Gaffney
 1939 — W. Youngman
 1940 — F.S. Adamson
 1941 — G.E. Cole
 1942 — C.V. Antenbring
 1943 — H.S. Rinmington
 1944 — H.S. Rinmington
 1945 — G.E. Cole
 1946 — J.W. Battershill
 1947 — B.A. Johnston
 1948 — B.A. Johnston
 1949 — T.E. Storey
 1950 — W.D. Hurst
 1951 — W.D. Hurst
 1952 — C.L. Fisher
 1953 — J.L. Charles
 1954 — G.B. Williams
 1955 — J. Hoogstraten
 1956 — J. Hoogstraten
 1957 — N.S. Bubbis
 1958 — I.A. Bateman
 1959 — W.L. Wardrop
 1960 — W.L. Wardrop
 1961 — C.S. Landon
 1962 — R.E. Chant

1963 — T.E. Weber
 1964 — B. Chappell
 1965 — S.J. Borgford
 1966 — R.T. Harland
 1967 — R.C. Sommerville
 1968 — F.M. Fowler
 1969 — L.W. Blackman
 1970 — J.D. Adam
 1971 — R. Hood
 1972 — S. Barkwell
 1973 — C.R. McBain
 1974 — G.A. DePauw
 1975 — D.R. Grimes
 1976 — C.R. Bouskill
 1977 — E.F. Glass
 1978 — A.G. Gilliland
 1979 — R.A. Johnson
 1978 — A.W. Gilliland
 1979 — R.A. Johnson
 1980 — W. Saltzberg

Licences Issued

H.E. Droppo (Que.), A.K. Edwards (Ont.), S.F. Jim (Ont.), G.E. Selme (Alta.), H.R. Daniel (Alta.), B.R. Emery (Alta.), C.D. Hyder (California State Board), J.P. Kelley (Sask.), H.M. Lam (Ont.), R.L. Nalezty (Ont.), H.D. Nguyen (Que.), M.J. Rosseker (Alta.), J. Springfield (Ont.), R.E. Wedding (Ont.), H. Weihs (Ont.), D.M. Bissett (Que.), R.H. Clarke (Alta.), D.D. Dunbar (Ont.), J.W. Fry (Alta.), L.L. Earley (Que.), N.M. Engelman (Que.), J.K. Gibson (Alta.), J. Goldschmied (Ont.), J.C. Morris (Sask.), A. Obach (Sask.), F.J. Privora (Ont.), D. Schaffer (Alta.), W.J. Stewart (Sask.), L.N. Hogarth (Alta.), R.L. Knight (Alta.) E.H. Brennan (Alta.), J.A. Axelson, B. Gray, T.W. Cochrane, T.A. Constantine, A.J. Gouwens, S.W. Hagemoen, A.N.L. King, F.A. Meier, A.W. Morgan, G. Mullan, C.R. Ashton, G.S. Bhar, C. Fung, D.F. Quan

No Dance — What Alternative?

Due to an apparent lack of interest and falling attendance the Spring dance originally scheduled for March 28 has been cancelled.

The Social Committee would be pleased to hear from members who have ideas as to what kind of a social they would like to attend. Please send your ideas to the Social Committee, 640-175 Hargrave Street.

Historical Notes

In 1923 Council was considering suggestions for making the annual meeting more interesting.

In 1927 a report to Council on a proposal for joint headquarters revealed that the Association of Land Surveyors was not enthusiastic, the Manitoba Association of Architects was not interested and the Winnipeg Branch of the E.I.C. could not afford it.

In 1927 it was decided to have two or more speakers at the annual meeting, plus a vocalist and a pianist.

At a meeting of Council held in December, 1928, the Secretary read a communication from the Registrar of the University of Manitoba to the effect that W. D. Hurst had won the Association's scholarship.

At the annual meeting in 1930 Council was asked to reduce the fees from \$5.00 to \$3.00 because the Association had accumulated \$10,000.00.

In 1930 Council agreed to subsidize the annual dance with the stipulation that no more than \$150.00 was to be spent on liquor.

The minutes of the annual meeting of January 22, 1931, record that no member of Council but the Secretary was present. A sleight of hand artist performed.

In 1932 the annual dance was subsidized by \$350.00 and tickets sold for \$1.50 per couple. Membership stood at 236, and attendance at the dance was 368. Due to the unemployment situation Council decided it would make no future grants to cover dance expenses.

In 1932 in response to a questionnaire it was determined that there were 13 members unemployed. The Association lent money to its members at 3%.

In 1933 forty-five members were removed for non-payment of dues and at December 31 total membership was 196.

A special meeting of the Association was held in October 1932 to deal with the unemployment situation and possible destitution among members. Council decided to use the income from securities, not to exceed \$500.00, for the relief of members in need. Christmas gifts were distributed to children of impoverished members. No new members were being registered at this time.

USE OF SEAL

Section 18 of The Engineering Profession Act reads as follows:

Every person registered under this Act shall have a seal, the impression of which shall contain the name of the engineer and the words "Registered Engineer, Province of Manitoba," with which all estimates, specifications, reports, working drawings, plans and other documents issued from his hand shall be sealed.

CAPTION CONTEST

