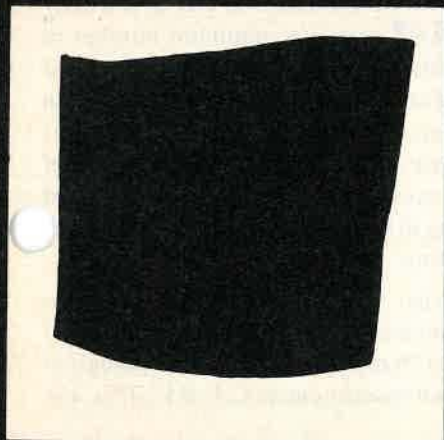
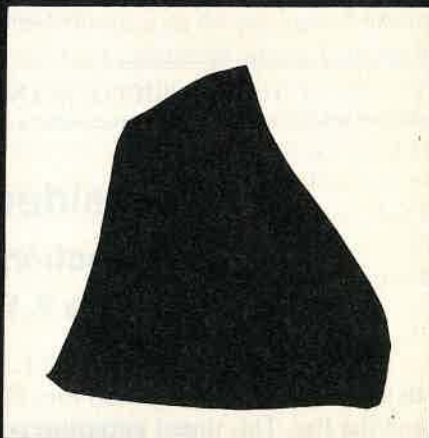


Bulletin

February

83

*The
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Engineer*



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

WINNIPEG, MANITOBA, FEBRUARY, 1983

President's Message Reflection Manitoba Style

By D. E. Cross, P. Eng.

Last time I wrote for the A.P.E.M. Bulletin, I was returning from Flin Flon and the Pas. This time I am sitting with my family in our cozy cabin on the Lake of the Woods after a three mile cross country ski from Kenora across the frozen lake. It is so still and peaceful! A time to relax and reflect.

It is interesting to think that I spend at least six months of the year in Ontario and how difficult it is to obtain a licence to practise here. One needs a new licence for each and every job. The licence costs \$85.00 per job and takes three to nine months to obtain. This is what is called reciprocity.

Naively, only a year ago, I thought it would be possible through the Canadian

Council of Professional Engineers (C.C.P.E.) to rectify this situation. However, after my first meeting as an observer in Ottawa of C.C.P.E. I was taught a new lesson.

Ottawa is a beautiful city in the early winter. There is a minimum number of tourists, a few hard-to-find politicians and a lot of high-priced civil servants with money to spend in the markets and art galleries. No one in Ottawa has heard of the recession. This should have provided a clue to the tone of the opening C.C.P.E. meeting.

What was discussed! First came the Canadian Accreditation Board (C.A.B.) which in my opinion is reason enough to pay an assessment to C.C.P.E. This was

followed by an introspective view of C.C.P.E. consisting of a free-for-all on a long range plan. Talk about loquacious but non-erudite discussion! Next came a presentation entitled "Women in Engineering". This was interesting as it created a role model. However, I always thought of an engineer as an engineer. It has nothing to do with sex.

With these topics covered, perhaps one would then find out how a Manitoba Professional Engineer could become registered in Ontario, Saskatchewan, or even Quebec especially when one knows that the University of Manitoba has a five year accreditation from C.A.B. According to the delegates there is no problem with reciprocity. One can only think that they have never tried to register in another province. Is it that Manitoba is too lenient? Perhaps we should require a consulting licence and register companies. This would create revenue but also provide stumbling blocks and frustration.

Obviously, the recognition of Canadian Engineers across provincial borders requires a lot of work and politicking and cannot be solved by one person at his first C.C.P.E. meeting. Especially when everyone else at the meeting feels the salient issue is how to solve the problem of providing the Federal Government with a yardstick to measure foreign engineers and to ensure that if they immigrate to Canada that they will be registered in the province of their choice! Needless to say, Ottawa was frustrating.

In a happier frame of mind, as my first quarter as your President comes to a close, I reflect on the pleasure of having been able to entertain Major Charles to celebrate his 90th birthday, the pleasure of working with the pleasant staff of the A.P.E.M. who make the job of President easy, and the co-operation and help of the many committee members and hard-working Councillors who volunteer their time to make the Manitoba Professional Engineers second to none.

COUNCIL DECEMBER 13 (IT'S SNOWING OUTSIDE AND WE WERE SNOWED INSIDE)

By R. A. Kane P. Eng.

In the 10 years I have covered Council meetings certain things creep into the Council agenda which set off alarm bells warning the reporter — "This is going to be one of those meetings!" —

That it was going to be a genuine marathon session was disguised this time. Frankly I had been told that the menu was not going to be sandwiches, thanks to Frank Roberts, so I should come to enjoy the Chinese food ordered instead.

Alas, a certain testiness was in the air right from the beginning as Council picked apart the minutes of the last Council meeting. They passed them along with the approvals of licences, engineering graduates and transfers, but not without much comment.

Even Ken Jardine's report on C.C.P.E. focused on their funny rules on assessments. Apparently voting on money issues is prorated against the number of mem-

bers in each jurisdiction, so people like Alberta, Quebec and Ontario have veto rights. Ontario exercised its right and is going to pay its fees of \$6.25 each by paying \$6.10 outright and then \$.15 by donation. Ken got the agreement of Council in expression of displeasure in this.

The meeting now added a new dimension (not the first time) "confusion". You will see later there is a report from the Committee on Review of Committees, but at this point the ratification by Council of the Awards, Annual Meeting, Bulletin and Sports Committees was up. Council wrestled with the conundrum of ratifying with existing terms of reference when a couple of points down on the agenda they may be changing these same terms. Since the report from the Committee on Review of Committees (C.O.R.C.) had only been distributed that evening no one knew exactly what to do for sure. The Registrar tried to assure everyone that he put these committees forward since they did not appear to be affected by the pending report, the President added that we were dealing with what is, not what might be, while Fred Jost the Chairman of the C.O.R.C. told everyone that there were only some small housekeeping changes in each of the above committee terms of reference. Despite this, these committees were ratified.

The Consulting Engineers sent some motions to Council because they had some complaints to voice too. First they do not like the Yellow Pages and want the whole thing changed. They suggested the A.P.E.M. approach M.T.S. and tell them how to set things up in their listings for professional engineers. Well now, this is no small command, I mean, who tells the telephone company anywhere how to run

their show? It concluded with Council sending it back to the consulting engineers committee with a proposed rewording which the A.P.E.M. could offer to M.T.S. instead and an offer by Evan MacKenzie to see what he could do.

The consultants had even more complaints. This time the varying licensing rules across the country should be fixed up by Council. Council referred this to C.C.P.E. since this is a national problem that they could do little about unilaterally.

They did get Council's approval to have an insert distributed for "the guide for engaging professional engineers" which describes the revised suggested fee schedule as approved at the Annual General Meeting last October.

Their final request about possible liability in having the revised builders' liens act published under the A.P.E.M. was sent back to committee. The members of Council were confused as to what they were being asked.

Council then moved to anoint one of their own to the Executive Committee as a member. Bob Foster got the nod. Now they moved to ratify the Admissions Review Board Committee with Glenn Morris and Bob Foster. If I were to say that the pending C.O.R.C. report came up again would any of you who have followed this until now be surprised. Deja Vu. Anyway, it got ratified and supper came.

Now comes the next point on the Agenda; the Continuing Education Committee wanted \$100.00 to buy some books and qualified approval to spend \$650.00 to distribute a questionnaire if Council likes the still unseen questionnaire. Council gave them the \$100.00 but wants

to see a total budget before anything more is done on money. This Committee also does not like its name. Shakespeare once asked "What's in a name?". Here I am 400 years later answering that question - about 45 minutes of talk ranging from what other people call their respective groups to what the C.O.R.C. report might say about such things. What it all added up to is the request being turned down. It may be worth noting that this group was created under the name "continuing competence committee", they subsequently changed their name to Continuing Education without Council's approval so at the risk of sounding cheeky what is their name?

After all this the Review Committee on Committee's report came up on the agenda. It appears to be a well documented, and complete report, so Council decided to look at it next meeting after they have had a chance to read it all.

The next point on the Agenda was the Practice and Ethics Committee. They submitted a draft letter clarifying whether a manufacturer should seal his submissions. Council tore this apart somewhat, but finally agreed with its being sent out.

The proposal to set up a new committee for advising the A.P.E.M. on investments was more or less shelved. The consensus was that the investments were the responsibility of the Finance Committee and they should use this as a sub-committee under their jurisdiction.

The mentor program is to be discontinued based upon a legal opinion which must be confirmed suggesting it is not exactly what it was thought to be.

The meeting came to an end around 9:00 p.m. with a request that a formal handbook be made up for Councillors so they could be brought up to spec more quickly.

COUNCIL MEETING, JANUARY 10, 1983

By A. S. Orchard, P. Eng.

This was my first visit to an Association Council meeting, and I was pleasantly surprised to find that the meeting started almost exactly on time at 3:35 p.m. All members of Council were present.

After approving the agenda and the minutes of the December 13, 1982, meeting, outstanding items from the previous meeting were covered, with very little progress reported. (It must have been a busy Holiday Season.) One item of interest is that Ben Rogers is going to meet

with someone from Manitoba Telephone's yellow pages to discuss the use of directory headings for engineers.

The meeting then passed very quickly over the next four items on the agenda, which were licences, engineering graduates, transfers, and registrations. Two reinstatements were considered. It should be noted that engineers who are written off for non-payment of fees must pay all dues in arrears plus a \$50.00 registration fee before reinstatement, plus current dues.

Three items arising from the January 4, 1983 meeting of the Executive Committee were discussed next. First, Stan Hodge was appointed as the A.P.E.M. member of the University of Manitoba Electrical Engineering Undergraduate Curriculum Committee. Next there followed a discussion on a "think-tank" session for Council members to be held Saturday, February 19. A number of interesting topics were proposed. John Fulton's transportation costs from Thompson will be paid by the Association so that he can attend the session. The third item from the Executive Committee was a proposal to disband the Ad Hoc Committee on the Code of Ethics. This was passed by Council.

L. A. Bateman raised the question of how the Executive Committee and Council should work together. He was concerned that the Executive Committee may be acting outside the By-laws of the Association, and their actions are not being properly approved or ratified by Council. It was finally agreed that since the Executive Committee is acting on behalf of Council, and all action taken by the Committee is reported to Council, this is effectively within the bounds of the By-laws.

Next, the Annual Meeting date was set for October 28, 1983, at the Holiday Inn, and the October 10 Council meeting was changed to October 17.

L. A. Bateman requested that an item be inserted on the agenda to deal with whether accounts are or should be ratified by Council. Dave Cross pointed out that the budget for the year is approved prior to the annual meeting, and that major items outside the budget are

approved by Council. Glenn Morris suggested that expenses should continue to be circulated to Council members, queries can be made at meetings if necessary, and a quarterly statement comparing actual expenses to budget should continue to be circulated. There was unanimous agreement that this procedure should continue.

Another item was inserted on the agenda by Ben Rogers, to deal with a request by the C.C.P.E. to send an observer to the February C.A.B. (Canadian Accreditation Board) meeting. Ken Jardine suggested that because of present budget constraints the invitation be declined, however future invitations should be considered. This was passed unanimously.

The last item in the meeting was a very lengthy discussion on the report of the Ad Hoc Committee on Review of Committees. Discussion started at 5:15 p.m. and except for a 25-minute break for Chinese food, it lasted until the meeting adjourned at 7:44 p.m. Discussion centered on two main themes.

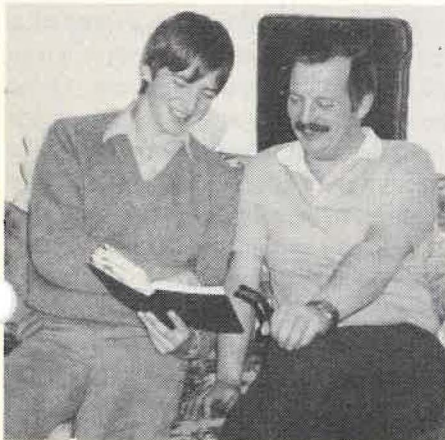
- (a) The Ad Hoc Committee recommended that committee chairmen be appointed by Council, whereas the present practice (as stated in the By-laws) is for committees to appoint their own chairman.
- (b) The wording and definition of the duties and accountability as outlined in the report for the Board of Examiners and the Executive Committee required clarification.

Councillors have been requested to submit written suggestions for changes to the report by February 15, 1983.

President Dave Cross Under Scrutiny From Soup to Brush Fires

President David Cross was born in Winnipeg and educated in the Winnipeg public school system, graduating from Kelvin High School. At Kelvin he was president of the school, captain of the football team and winner of the Harry Hood Memorial Trophy for prowess at football. The highlight of the Kelvin years took place in grade ten when Dave peered out from under his football helmet and spotted Diane Davis (whose Father was G. C. Davis, P. Eng.) Dave never gave Diane an opportunity to date anyone else.

Dave ruled out being a forestry engineer at an early age. When he was 5 he and a friend were playing with matches in the woods across the street from home. A brush fire started and the boys scampered out of sight. Someone called the fire department and the blaze was soon under control. Dave missed all the excitement of the fire engines, ladders and hoses, because he was hiding behind the chestfield throughout the conflagration and its termination by the firemen.



Steven Cross pointing out a synonym in a thesaurus for Dad.

Dave graduated from the University of Manitoba in 1961 with a degree in Mechanical Engineering. Diane Davis Cross graduated in Home Economics (Human Ecology) as Gold Medalist. Diane teaches Home Economics and Human Ecology in the Seven Oaks School Division.

Dave and Diane have two children. Sharon is in second year Science at the University of Winnipeg. Steven is in grade eleven at Silver Heights Collegiate. Dave doesn't help Steven with his homework. Instead, Steven helps Dad with English.

Dave is a past president of the Manitoba chapter of the American Society of Heating, Refrigeration and Air Conditioning Engineers, a past director of the Knowles School for Boys, a past secretary-treasurer of Bruce Junior High School Parent Teachers Advisory Board, past secretary-treasurer of the University of Manitoba Alumni. He has served on the Chamber of Commerce Energy Committee and the Association of Consulting Engineers of Manitoba Energy Committee.

Dave was first elected to Council of the Association of Professional Engineers of the Province of Manitoba in 1979. He has served on the Executive Committee, the Consulting Engineers Committee, the Nominating Committee, the University Liaison Committee and the Admissions Review Board both as Vice-Chairman and Chairman. He is Chief Engineer or MMP Architects and Engineers.

Dave didn't duck any of the questions our two reporters gave him dealing with the Association. When we asked how he

felt about encouraging more females to enter engineering. Dave replied that all students with an interest in sciences and mathematics should be encouraged without sexual discrimination. He feels the Association should take a more active role in explaining engineering to high school students, and that engineering should be defined and promoted at every opportunity.

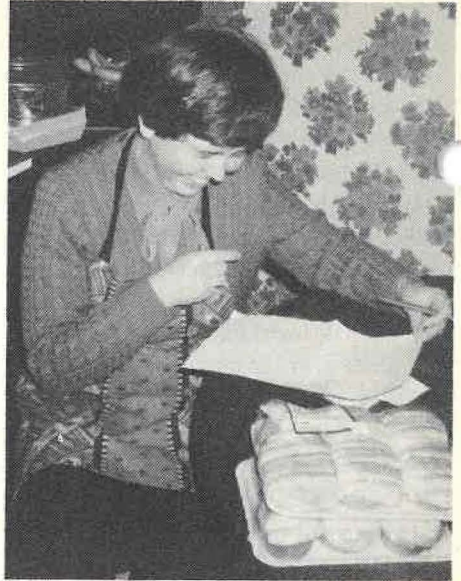
Dave would like to see more member involvement in the Association, larger attendances at meetings and more participation through Council and committees. When questioned about the drops in attendance at all our functions, even the sporting ones, Dave Cross said he felt there was a lot of competition for people's time, and the drops might not indicate a lack of interest.

Dave is hoping that more engineers will come forward and volunteer their services to the various committees. He also feels the committees could make better use of the Bulletin, by providing regular reports of their activities.

If our senior members showed an interest Dave thought the Association could sponsor an annual self-supporting reception. An alternative would be to have an occasional luncheon at which senior members of the Association could meet, keep in touch with each other and reminisce about shared experiences.

Another idea Dave thought might have merit would be for the Association to act as liaison between young engineers who want advice or counselling and senior engineers able to furnish it.

When asked how he felt governments could best respond to these difficult times, Dave said they should spend funds creating work not jobs, that they should try



Gold medalist, human ecologist and our First Lady, Diane Cross, on Christmas day, checking her ever-present list.

to stimulate industry in order to have a better tax base. Amen!! Dave feels the Association should endeavour to maintain closer liaison with members of the cabinet of the provincial government for purposes of information and not as a lobbying or pressure group.

Concern has often been expressed in the past about the image, or lack of image, of the professional engineers. Other professionals such as those in law, medicine, dentistry, have a one-to-one relationship with the public. This does not apply in engineering. Dave doesn't see this as a handicap and thinks the image of the professional engineers is relatively good.

He feels we should maintain close liaison with other professions and that the meetings that have been arranged in the last two years with members of the other professions have been worth while. "We

have many similar problems, and it is a good idea to meet regularly to discuss them."

In the field of public relations Dave said we might try to get more positive reporting in all areas of the media, and he thought the Association could be consulted more often by media personnel on such matters as energy.

As well as not being inhibited by a wife who holds a University Gold Medal, Dave freely admits that when he doesn't understand a word (in English), he asks 16-year old Steven. Dave stumbled across 'erudite' in our last issue and went to Steven rather than Oxford for a definition.

There are some subtleties in Dave Cross, an otherwise very straight-forward person. On superficial examination one might jump to the erroneous conclusion that he is something of a chameleon. (Steven will explain that one to you, Dave). He is not. In a very abtruse (help Steven) way he is a tone-setter. When he presides over meetings he does it seriously, but with just the right touch of humour in suitable places. He remembers that he is the chairman and not a combatant, and that no matter how much more valid his views are than those being expressed, he can share them only with himself unless he moves from the Chair. When he stepped into the breach on such short notice at the annual meeting he astonished almost everyone with the cool and polished manner in which he ran the meeting. When he represents the Association at social gatherings he manages to make a valuable contribution without ever coming close to dominating the conversation. He shows a keen interest in the activities of others.

Like all presidents he deposits a fair work-load on the ladies in the office, but according to their reports when they are at such functions as the annual dinner and dance, the new member reception or the staff-executive Christmas lunch, he treats them like royalty, opens car doors, walks on the correct side of the street. He even does these things for his wife.

Dave's hobbies are photography, racquetball, carpentry, cross-country skiing, horticulture and cooking. One of the many advantages of marrying a girl with a degree in home economics is that one has an excellent mentor. Dave's culinary specialties are barbecues, quiche and soups. We're publishing one of Dave's favourite soup recipes in this issue. Dave is also very partial to the Cross place at the Lake of the Woods.

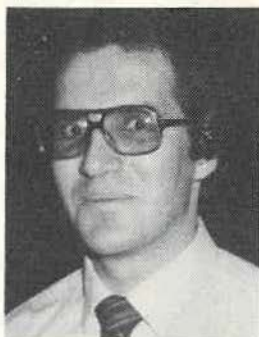
During the interview we tried to find out what Dave's inhibitions might be, or hang-ups to use the vernacular. We drew a blank. He was eager to marry a girl who had won the Gold Medal, so he wasn't concerned about having a smart wife. He jokes about his size, in such a relaxed way that it obviously isn't a hang-up. "That's as tall as I grew" he said, "so that was that."

Dave Cross is a bit of an enigma (there's another one for Steven) but the more one gets to know him the more one finds out there is a lot to know. And it's all interesting and worth while.

Centennial Birthday

A very happy 100th birthday to Walter Youngman, P. Eng. Mr. Youngman is a Past President of the Association and an Honorary Life member. He now resides in Edmonton. Mr. Youngman was born on January 15, 1883.

New Members



New Members' Reception

By Joe Lucas, P. Eng.

The November 29th Reception held at the Winnipeg Squash Club was the first such gathering in 18 months and attracted a large and varied crowd. All guests were received by the hardworking A.P.E.M. ladies, Loreen Dunklee, Joan McKinley and Bettie McDonald who (wo-) manned the reception desk and signed in everyone.

The goodies laid out by the Squash Club were very well done and, when brought out, didn't last too long. After chewing on a chicken arm or two, I had the pleasure of meeting a few of our new members and passing a bit of time with some old friends.

Loreen Dunklee was smoothly welcoming all arrivals and making them feel comfortable in a room full of strangers and spent the evening introducing just about everyone to everyone else.

New member Richard Boadway of Canertech Inc. after learning of the benefits from Ian McKay, was overheard enthusiastically volunteering for the Annual General Meeting Committee (I think it had something to do with checking out the bottled refreshments). Ted (The Flasher) Speers was very active taking mug shots for the Bulletin.

Acres Consulting Services Limited had an excellent turnout with the quintet of Roger Davies, Michael Boase, Asad Ali (the deer hunter), Mohammad Rahman and Ossie Rozario. All of these gentlemen have moved to Winnipeg within the past two years and expressed the unanimous opinion that they were looking forward to winter. A hint of suppressed laughter was overheard while leaving this group.

Hans Remple and Tony Orchard of MacMillan Bloedel were caught in heavy conversation with Roger Kane discussing trees, cardboard boxes and mutual friends (Don't believe the rumours that some of Roger's best friends are trees). Self-employed Bruce Maunders, expressed concern for the present Canadian economy but is betting on the future in the electronics field.

It was good to see Past President Ken Jardine out and about and greeting both new and old members with a friendly handshake. Another active A.P.E.M. member, Ben Rogers, was noted in constant circulation offering greetings to all new members.

On the first pass through the fireplace crowd, it was determined that Ken Butt was not Gary Smith, but fortunately, Gary Smith was. Mr. Smith is employed with Smith Carter Partners and is doing work in the HVAC field. After working in the same field for the past two years, Gary expressed his amazement at the amount that there was still to learn in his chosen field.

Evan MacKenzie was found to have survived his first A.P.E.M. Council meeting and almost looked forward to his next encounter.

It was at this time that President Dave Cross addressed the gathering. After welcoming everyone and applauding the new members he spoke on the importance of A.P.E.M. committee work and urged active participation by all A.P.E.M. members.

After Dave's talk, Michael Cox was found to have volunteered for the Annual General Meeting Committee. Michael who is the Winnipeg Branch Manager of Johnson Controls Ltd., also serves as the

editor of ASHRAE's newsletter "Buffalo Tails". Despite the prevailing doom & gloom attitude, Michael feels very optimistic about the coming new year.

It was a pleasure running into an old friend from Vancouver, Doug McMurray. Doug, formerly of Kenora, Vancouver and Winnipeg has now returned and has found his place in the mechanical department at W.L. Wardrop & Associates Ltd.

Vice-President Glenn Morris was overheard to reveal that he has retired his blades and hung up his hockey stick.

A quiet trio from Co-op Implements was found lurking by the fireplace. These three, Messrs. Ken Butt, Percy Phillips and Dennis Kerrigan, said that they were all suffering from "Carbon Dioxide Fatigue" and clearly did not feel like talking. From that point, they all sprang into a discussion about the agricultural community, economic times, their company, the future, the past, the present, Christmas presents, air conditioning, unemployment, employment, research & development and even how hot it was standing beside the fireplace. One wonders how these gentlemen react in a normal oxygenated atmosphere.

Neil Shirtliff also of Co-op Implements was pointed out, but because he was involved in conversation with Art Round there was no chance to speak with him.

Talking to Christy Aruliah is a lesson in geography. Christy, who is District Manager of A.E.L. Microtel Limited is now based in Winnipeg and oversees all of Manitoba and northwest Ontario. Although settled in Winnipeg since March, Mr. Aruliah's previous postings include Coquitlam, Toronto, Saudi Arabia, Resolute Bay and England. Christy's

work with A.E.L. keeps him at the front lines of the communications industry but he feels in control of the fields of satellite communication, fiber-optics and the other technologies under his management.

Dale Simpson, who interrupted his engineering career to do a little farming, travelled the greatest distance — he is currently living in Roblin.

A special doff of the chapeau to the silent minority who put in the time and effort to enable this reception to take place. It was certainly well appreciated and enjoyed by all members interviewed.

L. A. BATEMAN P. ENG. — PAST PRESIDENT RETURNS TO COUNCIL

Leonard A. Bateman has just been elected to Council, although one can hardly classify him as a newcomer to the scene, he having been President of the A.P.E.M. in 1958, and having received the Association's coveted Merit Award in 1976.

Mr. Bateman was born, raised and educated in Winnipeg, receiving both his Bachelor of Science in Electrical Engineering and his Master's degree at the University of Manitoba.

He joined the Manitoba Hydro Electric Board in 1956 as System Planning Engineer, moving up through the ranks to become Director of Production, Director of System Planning, Chief Engineer General Manager and ultimately, in 1972, Chairman and Chief Executive Officer of Manitoba Hydro — a position he held until 1979.

Now, Mr. Bateman is President of Bateman & Associates Ltd., electrical

engineering consultants offering a wide range of services to the electrical industry. Not only is he busier than ever before, he is also becoming a very well-travelled man, having landed jobs in Brazil, Germany, England, Switzerland and the U.S., to name a few.

Mr. Bateman is a member of CIGRE, an international organization representing 90 countries committed to furthering the state-of-the-art in all facets of electrical transmission and transformation. He was the first Canadian ever to be appointed Chairman of one of CIGRE's International Committees (HVDC Committee — 1976-82). This committee met in Winnipeg in 1977, attracting some 350 delegates.

In 1980, he was elected to chair the Canadian National Committee of CIGRE (four-year term), and already he has arranged for the Administrative Council of CIGRE, which has never met in Canada before, to meet in Winnipeg next year.



L. A. Bateman, P. Eng.

In addition to his work on CIGRE, Mr. Bateman is a member of the Board of Directors of the Canadian National Committee of the World Energy Conference. Recently, he became one of seven Canadians whose proposals were selected to deliver papers at the 12th World Energy Conference in New Delhi, India in 1983. His paper will deal with the Challenge of Economic Development of Canada's Low-Head Hydro Potential.

When he isn't chairing meetings, writing papers, sitting on Boards of Directors and flying around the world, Mr. Bateman enjoys the symphony, the opera and the theatre, dabbles in a little carpentry, and tries his hand at photography. He is also an avid cross-country skier. He is truly, as Dick Haywood so aptly put it, "an enthusiastic sort of guy who enjoys just about everything!" — S.M.M.

PAY YOUR FEES

The annual fee of \$105.00 is due January 1. If this fee is not paid by the end of February BY ENSURING THAT IT HAS BEEN RECEIVED IN THE ASSOCIATION OFFICE BY THAT DATE an additional \$25.00 is due. According to the by-law, anyone whose fees arrive in the office on March 1, or later, will be assessed the \$25.00 levy. THERE ARE NO EXCEPTIONS TO THIS BY-LAW REGULATION. It is the responsibility of staff members to follow the by-laws, and they do so. All those members whose fees arrive in the office on March 1 or subsequently will be assessed the \$25.00 levy.

Day One — Curling Day Two — Liniment

Before the bonspiel started the wise money was on the McBain, Ross, Grimes, Norrie rink, and they walked off with the trophy at the end of the day. These able curlers look like youngsters to Loreen Dunklee, so she was very surprised to hear someone say "Imagine losing to a bunch of old men!"

The first protest was lodged by Merv Robinson. "Just because he is the President is no reason Dave Cross should get to pick Ross Adamson to curl against in the first game." By mid-afternoon Skip John Fulton, our distinguished President, Vice-President Glenn Morris and Len Domaschuk had not lost a game. Eventually they did lose a game so they wound up with one record intact, not a win all day.



Al West, P. Eng., the first member to pay his 1983 dues,

Phil Petursson is everyone's dream of the perfect boss. He stayed on the job, did his own chores and those of Glen Neufeld, Jerry Kruk and Walter Tibelius. This trio was supposed to cover the Greater Winnipeg Gas Company with glory by their curling prowess. Phil will no doubt be curling himself next year. We can only hope the work at the Gas Company went better than the curling.

During a brief intermission Dick Russell pointed out that beer was his team's medicine. Its consumption was "keeping up team spirit." Curling results indicated games are not won by spirit (or spirits). Rick Muzeen could do with some new friends. When those he was sitting with saw the bulletin photographer approaching they shoved all their empty beer bottles in front of him.

Bill MacAuley had the best cheering section — his wife Karen and year-old son Shaun. Fortunately they left before the prizes were handed out to a lot of other people.

In spite of valiant efforts by Fred Nicholson and Bob Harris, with Bill Boyaniwsky sporting new foliage, John Frye was unable to win any of the prizes, although Bob Harris was a close second to Rudy Isaak for best dressed curler.

Art Sparling got into training for the event by curling in a student bonspiel that began at 11.30 on January 7th and concluded at 10.30 on January 8th, a marathon non-stop event. Gerry Clayton explained that he was only accustomed to standing for 50 minutes at a time, while Bill Beley and Art Carlson did not explain why they were either in or out of shape.

Wopnford, Thompson, Whalen and Stefanson came second, Swan, Adamson, Shick and Stephen were third, and Boge,

Gibb, Muzeen and Becker were fourth. The Bulletin Committee is trying to determine if this latter group got all their points for curling or did they give themselves a five-point bonus because Sandy Gibb is Chairman of the Sports Committee and Vic Becker and Jascha Boge are on the Committee. Sandy Gibb has already cancelled his subscription to the Bulletin, but we must publish the facts. Doing this in the past (referred to as a witch hunt by the sports committee) resulted in no sports committee member getting a prize for at least two years.

Cal Moon came in from Portage, McKibbin, Robinson and Tinkler from Carman (they diluted their team with Barry Rowley, hence no prizes), Struthers and Lipinski represented Steinbach

(diluting their efforts with city slickers Ron Gordon and Stan Hilderman.) Ken Boyd recruited Man, Patterson and Dern from Arborg. In spite of all this mixing and matching on the part of the highways boys, Bob Friesen managed to come in last.

The bonspiel was under the direction of the Sports Committee — Gibb, Becker, Permut, Cornies (he may quit, he didn't get a prize), Boge and Bork. Bettie McDonald did the work for them.

Some people collect stamps, some old coins and Clyde McBain collects tool boxes. When it was all over he left with his tool box tucked under his arm, and President Dave Cross left with his blistered hand tucked into his glove.



When Elaine Ryan isn't looking after fees or looking for lost engineers she's managing a hockey team. Elaine won a silver medal this winter, for managing the second-place team in the Richmond Kings Christmas Tournament.

SPRING RITUAL — CAMP #8

The calling of the Engineer for the Spring Graduating Class is set for Thursday, March 3, 1983. It will be held in the Oak Room of Tache Hall on the University of Manitoba Campus, commencing at 8 p.m. Parking is available at rear of Tache building off Freedman Cres. An invitation is extended to all obligated engineers to attend. Following the ceremony refreshments will be served. As this is the major ceremony of the year, the attendance of practising engineers, as an indication of support to the young graduating engineer is much appreciated. Engineers practising in the province who may wish to be obligated may contact the Secretary for further details. Information may be obtained by phoning 284-0580 - 1479 Buffalo Place, or at residence: 888-9396 - W.G. McKay, P. Eng., Secretary - Camp #8.

Faculty of Engineering News

ACCREDITATION

In October 1981 a Canadian Accreditation Board team visited the Faculty to review the programs in Agricultural, Civil, Electrical, Geological and Mechanical Engineering. The official CAB report on the programs was received by Dean Kuffel in July 1982.

The report was highly complimentary of the progress made by the Faculty in correcting the problem of "severe underfunding" and problems with equipment, facilities and curriculum, which had been cited in the previous accreditation report. All of the programs were granted the maximum 5-year accreditation extension.

As well, the Faculty introduced new programs in Computer and Industrial Engineering in September 1982. The programs are common with Electrical and Mechanical Engineering respectively, to the end of second year. Hence, the 45 students in third year Computer Engineering and the 12 in third year Industrial Engineering are expected to graduate in May 1984.

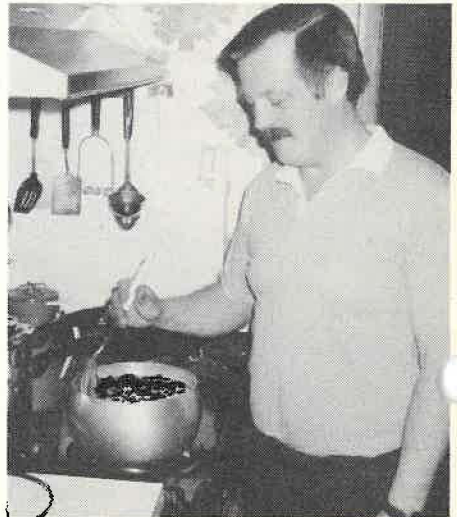
In line with CAB practice, Dean Kuffel has requested an accreditation visit for the two new programs in the Fall of 1983, so that the programs can be accredited as of the year of the first graduating class.

Dave Cross Borscht

- 2-3 lbs. meaty beef soup bones
- 2 qts. cold water
- 1 ½ tsp. salt
- 1 large onion, chopped
- 1 large fresh beet, chopped fine (finely)
- 2 carrots, scraped and sliced
- ½ green pepper, diced
- 4 potatoes, peeled and cubed
- ½ tsp. dill weed
- 1-2 T chopped parsley
- 1-10 oz. can tomato soup
- ¼ cup ketchup
- Salt and pepper
- ¼ cup cream

Cover bones with water and bring to boil. Skim, then simmer 1 ½ to 2 hours or until meat falls from bones. Discard bones and cut meat into chunks. Set aside. Add salt and next four ingredients to boiling stock. Cover and cook about ten minutes. Add potatoes, dill and parsley and more boiling water if mixture is too thick. Cook

until potatoes are tender. Add meat. Stir in soup and ketchup. Season to taste with salt and pepper and reheat thoroughly. Just before serving add cream but do not boil: Serves 8 to 10.



Our President making the famous Dave Cross soup.

LETTERS

Farewell to N.A. Williams

A.P.E.M.

Dear Sirs: Regarding Resignation

Very regretfully I am hereby tendering my resignation from the A.P.E.M. My official seal will be forwarded to you under separate cover. To me, it appears to be an appropriate time to sever my Manitoba connection of over 35 years.

After moving from Toronto to California in 1961, I joined Kaiser Engineers, Inc., and was retired therefrom in 1977. Since then I have been continuing in the capacity of private consultant. My last work, on the expansion of two aluminum plants in Louisiana, was completed in February of this year. My last Canadian project was assisting in the expansion of the Steel Company of Can-

ada into the new Industrial Park on Lake Erie. This was completed during a plant strike at Hamilton, Ontario, in 1969. A friend of mine in Ottawa recently observed that, "Things are tough all over."

One of the highlights of my sojourn in Winnipeg was my prize-winning (and only) game of golf. It was at the annual tournament on a rainy day in 1953, I believe. At the dinner, Charlie Landon awarded a paperback book entitled, "The Easy Way to Play Golf," for obtaining the high gross of the day — an unexpected distinction! However, I still jog, swim, and play tennis.

The BULLETIN will be sorely missed as it has enabled me to keep up with past acquaintances and gave me a broad view of the Canadian scene with a light, sometimes wry, touch as no other publication has done. However, with the exception of the August '82 issue on the Engineering 75th Anniversary, I find a rapidly increasing unfamiliarity with the names in committee reports and of the staff.

The cover of the issue with the three blocks of varied shapes and colour has been accepted by the staff as the official insignia. Despite reading the instructions some time ago, I am still mystified on how to make anything of the blocks.

Although I did not accomplish as much as hoped in the busy nine years at the U. of M., 1946 to 1955, I still feel that I made a modest contribution to the growth of electrical engineering in Manitoba. My interest in Manitoba has remained very high.

Whether remembered or not, may I take this opportunity to convey personal



Councillor Ian McKay

best regards to a few former associates and students? I have in mind Art J. Carlson, historian of 75th Anniversary; Jack P.C. McMath; Paul Shane, of the impeccable English; Bill W. Papove, a classmate; Loreen Dunklee; Richard A. Johnson; Terry Algeo; Oliver Norris-Elye; Bob Stokes, a neighbour. I shall continue tracking exceptional graduates of the U. of M. by their contributions to engineering literature. A few, for example, are, — Don Simons, Manitoba Hydro; Al Morse, National Research Council; Olaf Nigol, Ontario Hydro Electric; Nestor Burtnyk; Harvey Cohen.

Since 1947 I have been privileged to observe the A.P.E.M. growing in strength and confidence. It is now a dynamic, vital organization wielding a powerful influence in the engineering affairs of Manitoba, and Canada as a whole. May your good works continue! So it is Hail and Farewell, and many thanks for your steady support and services throughout the years.

Yours sincerely

Neville A. Williams, Cert.
No. T-42



Bob Harris, who almost won first prize as the best-dressed curler in the A.P.E.M. bonspiel.



David Lane, keeping up 'team spirits' at the curling bonspiel.



Shaun MacAuley inspects the broom to try to determine if it was the reason Daddy didn't win any curling prizes.

We regret to record the death of
K.S.C. Jonson, P. Eng.

COUNCILLOR EVAN MacKENZIE

Lunch spent with Mr. Evan MacKenzie is an almost overwhelming introduction to the world of the Manitoba Telephone System. The 1954 electrical engineering graduate shifts easily from discussing monthly phone bills to the science of fiber-optics and, from there, to any of the dozens of other facets of MTS.

His impressive versatility has been developed in his 28 years of meeting the challenges set out for him by our telephone system and the steady flow of facts, figures, and forecasts easily overwhelms the uninitiated listener.

Since joining the firm Evan has moved up through the Maintenance Group to manage the Real Estate Department and then in 1979 to his present position as Controller.

Evan and his wife Irene are celebrating their 20th wedding anniversary this year and the family photos proudly displayed in his office show off both his wife, and their 16 year old son John who, Evan says, not only towers over him but is also quite the athlete.

Evan's physical powers extend to the links at Pine Ridge where he enjoys a too infrequent round of golf.

Mr. MacKenzie is very proud of the work he has accomplished in his 5 years with the Winnipeg Alliance Club and his activities in supporting 3 Lion's Telethons.

Mr. MacKenzie is a product of personal application and dedication and all members of A.P.E.M. will benefit by having him as a member of our Council.

—J.L.



Evan McKenzie, P. Eng.

Calling All Senior Engineers

Would senior members of this Association, young, retired or otherwise, be interested in meeting for lunch, perhaps a couple of times a year, at a place with convenient parking and on bus routes, in order to reminisce about days gone by and speculate on days to come? Would any members interested in such a meeting please complete and return this form.

I.....
would be interested in meeting with other senior members of the Association on an occasional basis, for lunch.

The E.I.C. has recently established a committee on continuing education. Anyone interested may contact EIC headquarters 580 Wavell Ave., Ottawa.

There will be an international conference on Offshore Safety and Health in Halifax on October 18-20, 1983. Details may be obtained from the Technical University of Nova Scotia in Halifax.

Details on a course on Flood Predictions and another one on the Design of Water Quality may be obtained from Colorado State University, Fort Collins, Colo.

The Ninth Canadian Congress of Applied Mechanics will be held at the University of Saskatchewan, May 30 to June 3, 1983.

The Canadian Society for Civil Engineering is holding three short courses at Carleton University, May 31, June 1, on Computer Graphics, Mini and Micro Computers and Computers in Structural Engineering. Further information may be obtained from Dr. E. W. Wright, 57 Sunnyside Ave. Ottawa K1S 0P9. Details on a course of Flood Predictions and another one on the Design of Water Quality Monitoring Networks may be obtained from Colorado State University, Fort Collins, Colo.

The 1983 Annual Conference of the Canadian Society for Civil Engineering will be held in Ottawa June 1-3, 1983. Details from P.O. Box 795, Station B, Ottawa.

The 97th Congress of the E.I.C. will take place in Quebec City, April 25-27.

Manitoba Chapter, Solar Energy Society of Canada Inc. is sponsoring a Low Energy Home Workshop. Information from 257-7397.

A one-day short course on Waste Stabilization Ponds will be presented at the University of Manitoba on March 30, 1983. Further information may be obtained from Ed Pudsey, P. Eng. at 474-3148.

NEW MEMBERS

J. P. Mathieson; G. D. Anderson; J. D. Johnson; R. J. Neden; G. M. Smart; C. W. Bolton; P. G. Gulak; B. T. Lau; R. J. Senez; W. B. Thacher; A. J. Koverzin; D. A. J. Gaboury; G. Grujic; A. J. Ament; Y. P. Gupta; D. R. Hilborn; C. C. Ho; D. F. Johnston; K. V. Lew; B. Callum.

LICENCES ISSUED

W. D. Hall (Sask.); A. N. L. King (Ont.); A. C. Macnaughton (Ont.); L. K. Peterfy (Ont.); J. Springfield (Ont.); R. H. Strong (B.C.); D. L. Sutter (Maine); H. Weihs (Ont.); H. E. Droppo (Ont.); G. Gronza (Ont.); R. J. Hopkins (Ont.); A. W. Malkin (Ont.); S. B. Clarke (Ont.); R. S. Gray (Ont.); J. D. Hubbert (Ont.); C. D. Hyder (California); R. I. Phipps (Alta.); D. M. Bissett (Que.); T. A. Constantine (Ont.); L. G. Keeping (Ont.); R. A. R. Mills (Alta.); H. J. Sutherland (Ont.); A. Kovic (Que.); T. Pal (Ont.).

ENGINEERING GRADUATES ENROLLED

M. P. Booy; W. G. L. MacKenzie; T. Osnach; D. M. Phipps; T. P. A. Small; C. R. Winstone; M. Woelke; B. C. Maynard; M. D. Vanderpont; D. M. T. Vandersteen; K. A. Walker; D. A. Koverzin; P. L. K. Spangelo