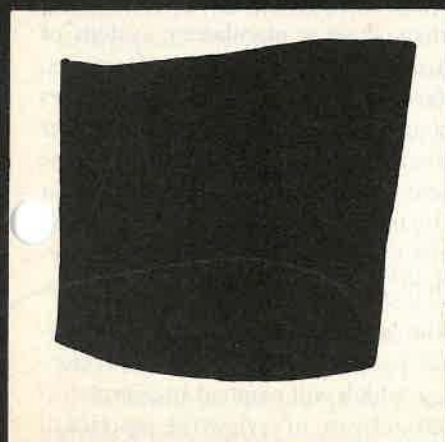
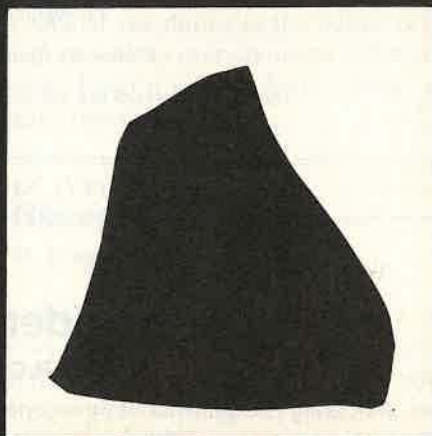


June

Bulletin

81

*The
Manitoba
Professional
Engineer*



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J.W.J. Lewis, A.G. McNichol, W. Saltzberg, G.W. Swift

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*Opinions expressed are not necessarily those held by the A.P.E.M. or
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WINNIPEG, MANITOBA JUNE 1981

President's Message

By R.C. Isaak, P. Eng.

Assessing the qualities of an engineer for registration is a fairly easy matter, since referees or mentors are prepared to comment on the qualifications of the registrant. Beyond the point of registration, however, problems of assessing the continuing competence of professional engineers become enormous. At the present time, we have no method of checking the competence of a professional engineer except through a practice and ethics proceeding.

The problem of measuring levels of competence is not unique to our profession. At a recent inter-professional meeting at our offices, it became evident that other professions are trying to come to grips with the same problem.

The accounting profession recently hired an accountant to conduct a type of audit of accounting firms. They hope to be able to review the practice of all their firms within a three-year period. Dentists have a mandatory system of ensuring competence by way of lectures, conferences, and professional papers involving 125 hours over a three-year interval. Reporting of attendance or the presentation of papers is voluntary, but failure to complete and record 125 hours results in a requirement to write examinations in order to retain membership.

The law society has set up a professional practice assessment review committee which will respond to complaints or self-activate to review the practice of

its membership. The College of Physicians and Surgeons has several internal review committees which maintain certain medical procedures, such that checks can be made on professional competence. The Manitoba Medical Association has initiated a voluntary record for keeping track of papers delivered and attendance at lectures, similar to dentistry. Pharmacists have a very rigorous continuing review of professional competence.

At the meeting with other professionals, I was greatly impressed by the efforts being made to find a mechanism for measuring continuing competence. I felt equally chagrined at our apparent lack of effort in this direction. We must

make a concerted effort to find a way to measure how well our membership is maintaining its technical and ethical competence.

A method whereby the association provides a system for members to record their attempts at maintaining their competence would be most useful. Firstly, however, an approved list of lectures, continuing education courses, reading material, and conferences would have to be established — not an easy job but one that must be done.

One of our duties to the public is to keep up with an ever-changing technical world. I feel it is incumbent upon us to fulfill this obligation.

New Member Reception

S.M. Matile, P. Eng.

The Bulletin Committee is pleased and proud — no, thrilled, to announce the recruitment of two new members into its fold. Newly-inducted are: Bernard Marsden, an employee of Powell Equipment who was born in Leeds, England (aren't all the best people?), was a member of the British army, and plans to complete this year's Manitoba Marathon; and Bruce McCarty, assistant district manager of V.K. Mason, who hails from Alberta, loves to sleep, and plans to move Bulletin meetings to the Holiday Inn.

For this incredible windfall, the Bulletin Committee will be eternally grateful for the New Member Reception, which was held at 5:00 p.m. on Tuesday, May 12, 1981 at the Winnipeg Winter Club, favourite hangout of APEM President, Rudy Isaak.

Also in attendance was a rash of newly-registered Burrows employees: Bob Stevens, a mechanical engineer who enjoys roller-skating, bicycling and carpentry; Vaso Bovan, a squash player who also plans to complete the Manitoba Marathon; Henry Enns, a licensed pilot who hates bus trips and loves to watch young girls skating; and John Huculuk, who likes playing with his home computer and drinking beer, and is sick and tired of going to California on business trips.

John Eull is another new member who is out of town a lot. A CNR employee, he happens to be interested in railways, photography, travel, current affairs, and is a member of Amnesty International.

Hamid Khan, another electrical engineer, is a Teshmont employee, who

would enjoy playing squash if his employers would let him leave the office at a decent hour; and Fazlur Rahman, Ph.D., is currently out at the University of Manitoba, doing research on satellite antennas. He hails from Bangladesh, enjoys table tennis and socializing, and finds Winnipeg "quite cold".

After everyone had had a chance to loosen up and get acquainted, President Rudy Isaak welcomed all the new members — particularly those who had just received verbal invitations that morning; introduced Councillors Jardine, Swift, Cross and McNichol, as well as all the APEM staff, committee chairmen, cub reporters and cub photographers present; told all the new members that they weren't doing us a favour by joining our association — that they were required to do so **by law**; confessed that although he had been a member of the Bulletin Committee for years, the position of editor had always eluded him (a fact that should surprise no one who has ever read any of his reports!!); and announced that the bar was still open. If he said anything else, no one heard him above the deafening roar of thirsty engineers stampeding to be first in line.

Having refilled their glasses, the new members were once again willing to talk. John Crozier, employed with the Federal Department of Communications, enjoys rugby, golf, and skiing, is learning to play squash, and wants to get into gliding. Tony Bork, a 13-year employee with Dominion Bridge, has just re-registered with this association, having returned to Manitoba on a transfer from various other parts of the country. He is interested in golf, racquetball, curling and bridge, loves a good party, and does no volunteer work (that's O.K.,

said President Rudy Isaak, when you join a committee, we pay you with lunch!).

Albert Cerqueira, an employee of Sperry Univac, hiked down the Grand Canyon last year and almost killed his companion. He would love to sleep if he had the time, and he enjoys spending time in the sleazy part of Minneapolis. Harv Keats and Paul Severin are both exploration geologists, Harv working for Falconbridge Nickel and Paul for Falconbridge Copper. Harv is originally from Newfoundland, and Paul from Sudbury, and they both enjoy wine-making and gardening.

Ken Walsh, a 15-year Bristol Aerospace employee, also hails from England. Finally, last fall, he took an oral exam and became a registered member of our Association. Ken's interests include photography and model sailing ships. Peter Soszek, an equipment planner with the Health Sciences Centre, enjoys his 16-month-old daughter and woodworking.

At this point, it was seven o'clock, and many of the new members were ushered out of the hall without having had the benefit of an interview. However, we do have your names, gentlemen — and you may yet be called upon to serve on a Committee!

Council Meeting of April 13, 1981

The April meeting started on time at 3:30 p.m. with eight members present, shortly to be joined by the ninth. The agenda was extended by eight subjects and approved. The minutes of the previous meeting were approved as amended.

The award for sartorial excellence went to John Lewis, sporting a red rose bud in his lapel. The occasion being his becoming a full-fledged member of the private enterprise entrepreneurial group. "The rose is real, the leaves are plastic, but the smile on my face is genuine", proclaimed Sir John.

The first item under Business Arising covered the press release absolving the engineers involved in the Bishop Grandin Noise Complaint. The second item had to do with the membership of a Review Committee to consider the Code of Ethics in the cases where work is done by teams of engineers. This matter was carried over to the next executive meeting and will be considered again at the next Council meeting May 11, 1981 in Portage la Prairie.

A discussion followed on why some candidates fail the entrance examination when it is an open book exam. Is it within the exam or the writer where the difficulty lies?

Commendations were extended to Ken Jardine for the creative and interesting work he had effected as Registrar. Walter Saltzberg is to have the next stint in the Registrar position. A permanent appointee to the position is to be selected soon.

A letter was received from Dean Kuffel on the extension of accreditation by the CAB Commission (the letter is reprinted elsewhere in this Bulletin).

Council is to meet with the Association of Consulting Engineers of Manitoba for an evening of discussion and light refreshments.

Lewis, "Are they wining and dining to seduce us and compromise my morals?"

Jardine, "You're being rather optimistic".

Some changes in the terms of references for various awards were approved. The Awards Committee composed of past presidents (6), has been increased to seven (7), allowing greater ease in securing a quorum. Dick Johnston, as chairman, said "sometimes we only have a bare quorum". No sartorial elegance there.

Oliver Norris-Elye, Chairman of the Board of Examiners, has been asked to represent the Association at the next meeting of the Canadian Accreditation Board to be held in Ottawa June 3, 4, 5th.

The May meeting of Council would be held in Portage la Prairie with members in that area and Brandon invited to attend. A reception and information meeting would follow.

The Report of the Safety Committee is to be forwarded to the National Research Council and the Building Standards Board as recommended by the Committee.

Rudy Isaak reported on two meetings with the Presidents and Senior Staff Officers of professional organizations. The first was held in the offices of the Dental Association, the second in our board room. The next will be in July with Law and Medicine as hosts.

Of special NOTE: In future the Association has plans to publish in the public press the names of those who have become newly registered in the Association, and the names of those who have ceased to become members, listing them in the appropriate categories.

Professor Glenn Swift will attend the June meeting of CCPE/NCEE on behalf of the Association. Mrs. Loreen Dunklee will represent the APEM at the CCPE meeting of permanent staff officers at that time.

A brief discussion of the role of Professionals and the Tritschler Inquiry terminated the Council meeting, and it was agreed that Mr. Isaak would pose our concerns to the President of the Law Society.

—E.A.S.

Council Moved to New Site for May Meeting

Same Old Hash

The May meeting of Council moved from the board room of the APEM office to a meeting room in the Manitobah Inn in Portage la Prairie with guests from Portage la Prairie, Brandon and surrounding areas. Council moved through the items on the agenda paper in a normal manner with the observers taking special note of what the business of council is all about.

Things kicked off shortly after the scheduled 3:30 p.m. The first order of business was some reporting to be done by President Rudy Isaak advising Council that he had, as requested in the April meeting, gone to the Law Society to check into the possibility of certain improper questioning or tactics allegedly used during the recent investigation into Manitoba Hydro. In essence, what he reported was that the Commission was given enormous powers and could do pretty much as it pleased. Further, he reported that there appeared to be nothing improper in the tactics employed. Inexplicably to this reporter, Council seemed dissatisfied with this and voted to have another question asked of the APEM legal Counsel as to whether the Manitoba Hydro Engineers were represented by Manitoba Hydro lawyers. The whole exercise took up over

half an hour trying to find out what each other was saying, but to sum it up, the Council of the APEM is being asked to go around and find someone else who can take the rap for all the bad publicity Manitoba Hydro Engineers are getting over some of the allegations forthcoming from the Tritschler Commission.

Council moved on to new business, starting with new members, licences, accounts, etc. as a group. Individual questions were satisfactorily answered and these passed as a group.

The search for a new Managing Director is to begin and a Selection Committee has been struck. Rudy commented that they have no real budget for advertising as yet, but are getting costs in. Members of Council made personal observations and suggestions which will be passed along to the Selection Committee.

The major item of business was a submission by Fred Jost. He was charged with reviewing the Act entirely and gave to Council the draft for their comment. With Council's approval it will be put forward at a special general meeting soon to be called. Beginning with a historical review, Fred Jost pointed out that the Profession of Engineering had grown

to a point where the rules had to be changed to meet the new sphere it is involved in. Touching on only the major points, a great deal of discussion came from the audience on a proposal to have laymen as members of Council. The other major changes were that provision is being made for group and corporate practice and licences will be under much tighter control within the APEM.

The meeting wound down with two further items. Dick Johnson gave a brief talk on C.C.P.E. mostly for the benefit of the guests who had managed through great effort to remain in attendance and awake.

This brought the time to 7:30 and adjournment to a less formal evening of drinks.

—R.A.K.

R.W. Haywood, P. Eng.

Dick Haywood joined the Council of the Association of Professional Engineers after the last election. Dick was born and raised in Vancouver. He attended school there and graduated from the University of British Columbia with a B.Sc. in Electrical Engineering in 1953.

During the first year after graduation Dick worked with Westinghouse in Hamilton, Ontario. Following that stint he worked with utilities in British Columbia, Ontario and Manitoba. He joined Manitoba Hydro in 1959 working in Transmission System Planning.

In 1965-66 Dick went to Ottawa to serve on the National Energy Board. In 1966 he returned to Winnipeg with A.E.C.L. to work on the Nelson River HVDC Transmission System. Here he was responsible for overseeing all the

electrical aspects of the initial stages of the system development.

Since 1974 he has been with Manitoba Hydro as System Performance Engineer.

Dick has been very active in Association affairs and has served on the local executive of the I.E.E.E. for five years, on the Canadian Electrical Association Committees for twenty years, and is the Secretary of the Study Committee 14 on HVDC Transmission for the Paris based Conference Internationale des Grands Réseaux Electriques a Haute Tension.

Dick and Odiele married in 1957 and have four daughters; one at the University of Manitoba in Administrative Studies; one at Laval University; one in Grade 10, and one in Grade 7.

Dick took off on so many new tasks in their early years of marriage, leaving Odiele to complete the moves and pack up the children, that when they finally settled in Winnipeg the decision was made — “no more moves, this is where we stay”.

Now that we have Dick Haywood as a Councillor the Association has the benefit of his years of administrative training. We are glad that Odiele decided that this was where the family would like to stay.

—E.A.S.

Crosier Adapting

A letter from Arnold Crosier, who has recently taken up residence in Vancouver, indicates he is adapting well. “As April rain is now at an all-time record (over double normal), I’m rapidly developing webbed feet!”

Portage

If the same percentage turnout came to a meeting in Winnipeg it's doubtful if even the Winnipeg Arena could accommodate us. There are 11 professional engineers in Portage la Prairie and 7 of them turned out on May 11 when Council met in that city. One wondered if members of Council would change their style when they had an audience larger than one member of the Bulletin Committée. The only difference we could detect was that Vice President Ken Jardine was heckled more than usual.

Portagers who attended the meeting were Ron Fisher, John Thauberger, Craig Chapman, Carl Bolton, Randy Hochstein, Ross Scrase and Cal Moon. We had hoped to see Dave Cameron, who initially advised he would be there, but he was called out of town to even more important business. Dave Ford came from Brandon and Barry Tinkler and Bob McKibbin from Carman.

During the review of proposed amendments to the Act the observers asked some pertinent and intelligent questions. We will leave it to the regular Bulletin reporter to comment on the questions asked by members of Council on this subject.

Craig Chapman won the prize for sartorial splendour, outclassing Ken Jardine who always wears matching socks, and Fred Jost who has everything matching. The fresh, pure rural air has certainly affected Bob McKibbin and Barry Tinkler. They sat through all the serious agenda items, made as many erudite comments as they were capable of, and the minute the business was con-

cluded and the bar was opened they headed back to Carman.

Dave Ford had attended meetings held in Brandon and encouraged members of Council to visit Brandon again in the near future.

Members in Portage share some of the same concerns as those in Thompson. There was considerable discussion, led by Ross Scrase, about the education of engineers. It was noted that whereas Manitoba had at one time educated numbers of engineers who moved off to Ontario, now the movement of engineers educated in Manitoba was to Alberta. However, we do make gains. As John Thauberger pointed out, he and Craig Chapman, Randy Hochstein and Carl Bolton had all been educated outside Manitoba. John, Craig, Randy and Carl are employed in Portage by Prairie Agricultural Machinery Institute. Although not all native westerners, they are all imbued with warm, western hospitality. On their behalf John Thauberger issued an invitation to members of Council (and we hope this includes Bulletin reporters) to come to Portage in the Fall for a tour of their plant and for a combined corn roast and strawberry festival.

Cal Moon will be bringing the engineering message to high school students in Portage. He will speak on our behalf on careers day.

And as the engineers in Thompson had done in February, our members in Portage gave Council a geographical lecture — there is much of Manitoba outside the perimeter highway.

It's too bad John Lewis couldn't make the meeting. His letter of regrets said "I will be in Regina bringing culture and commerce to friends from the Saskatchewan Association". And, no doubt, a lecture on smoking. John would have been delighted to note that all our members from outside the perimeter who attended the meeting in Portage were non-smokers.

The members in Portage, like the members in Thompson, are no doubt glad they live outside the perimeter. They have a quality of life that is lacking inside the perimeter. There is little doubt that the members of the Bulletin Committee who attended the meeting in Portage will be first in line for the tour of the Prairie Agricultural Machinery Institute to be followed by the corn roast and strawberry festival.

Robert R. Foster, P. Eng.

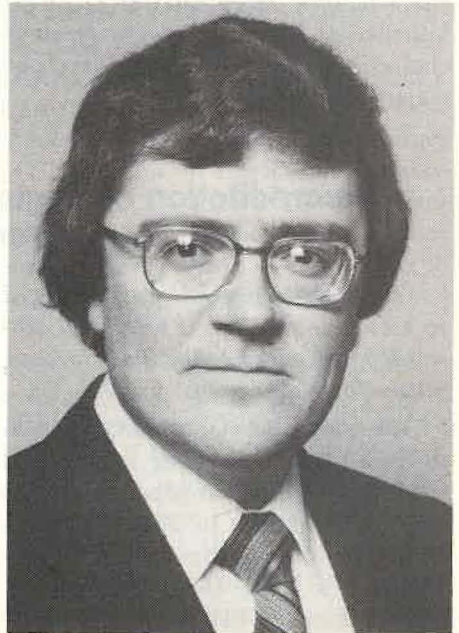
Bob Foster modestly refers to himself as a rookie Council member. Nevertheless, after only a few months on Council, and a few Council meetings, Bob feels that he has identified and grasped many of the on-going issues facing the Association, and he is becoming comfortable with his role in their resolution.

Bob's aptitude for Council is enhanced by previous experience. Prior to being elected to Council, Bob served on several A.P.E.M. Committees (Social, Bulletin, Annual Meeting and Public Relations, as well as the now-defunct C.C.P.E. Committee). Aside from A.P.E.M., Bob is a member of A.P.W.A., C.S.C.E., and the Western Canada Water and Sewage Conference. Presently active on the Civic Affairs Committee of the Winnipeg Chamber of Commerce, Bob has also served as

President of the Manitoba Chapter of the Canadian Institute of Planners, and represented Manitoba on the Institute's National Council.

A Winnipeg native, Bob Foster graduated from Daniel McIntyre Collegiate and the University of Manitoba, with a Bachelor's Degree (1965) in Civil Engineering and a Master's Degree (1971) in City Planning. His professional career has been spent almost entirely with W.L. Wardrop and Associates Ltd., Engineering Consultants; he is now an Associate of the firm, and Manager of Civil Engineering at Winnipeg headquarters.

In addition to the two year leave necessary to obtain his postgraduate degree, Bob's personal horizons were broadened and enriched by a one year "sabbatical" more than a decade ago, during which he and his wife Marusia lived in London, England, and — crammed into an M.



R.R. Foster, P. Eng.

G. Midget — toured Western Europe. As well as Marusia, the Foster family now includes three younger girls (7, 9 and 11), and though their travel needs can no longer be met by an under-sized British roadster, an enthusiasm for travel remains. Skiing at Banff, hiking in the mountains, and canoeing are favoured vacation activities, and Bob has recently discovered sailing, which "I could easily get enthusiastic about if I could figure out how to keep a 12 ft. dinghy upright!" In addition to sharing these interests, Marusia, a former teacher, now has a burgeoning career in her own right as a potter and part-owner of the shop where her pottery is sold.

Engineering is not the least sedentary of professions. Conscious of this, Bob in his late thirties has taken up racquet ball, with Marusia as his most frequent opponent. Hopefully, the resulting exercise will offset the potential effect on his waistline of his efforts as an amateur chef who claims to prepare "at least one major meal per weekend."

Bob's pet peeve, both personally and professionally, is the currently prevalent negative attitude, especially evident in the local media, toward Winnipeg in terms of this city's quality of life and its opportunities for future growth and development. Having lived in London, Toronto and Winnipeg, Bob prefers this city, particularly as a place to live while raising a family; he sees Winnipeg's principal (and not severe) disadvantage as being its remoteness from any mountains!

Based on his sixteen year professional career to date, Bob feels that the engineering profession and its practitioners have definitely become less insular, and are now more aware of the social context and of the environmental, legal and political responsibilities of engineering. Nevertheless, engineering — like other walks of life — is not yet responding adequately to these considerations. Bob Foster's priority, as a professional engineer and as a member of the A.P.E.M. Council, is to meet this challenge.

—T.C.

Accreditation of Engineering Degree Programs At The University of Manitoba

(The following article was submitted to Council by Dean Kuffel and forwarded by Council to the Bulletin Committee for publication)

The most recent accreditation visit to review the Engineering programs at the University of Manitoba occurred in the Fall of 1977. In June 1978, the accreditation of the programs was extended to June 1981. The primary criticisms of the Faculty in 1978 were that it was severely underfunded and

that the curricula in the various programs were deficient in Humanities, Social Sciences and Administrative Studies content. The Dean was asked to submit a report by September 1, 1980, showing how the Faculty had responded to the criticisms.

By 1980, the Faculty had approved curriculum changes which it feels have increased the HSS and A content to the level required by CAB. However, some

of the modified curricula will appear for the first time in the 1981/82 University of Manitoba Calendar.

In August 1980, in the wake of three or four years of insignificant budget increases in the Faculty, the Manitoba Department of Tourism and Economic Development awarded a development grant to the Engineering Faculty. Several weeks later, when the Faculty report had to be submitted to CAB, specific plans for the distribution and utilization of the grant funds had not been firmed up.

The CAB reviewed the University of Manitoba report at its October 1980 meeting. While complimenting the Dean on the improvements made during the past three years, the CAB decided to extend accreditation of all of the programs to June 30, 1982, and to make a further extension conditional upon an accreditation visit in the Fall of 1981.

It is Dean Kuffel's understanding that the CAB's reasons for the one year accreditation extension, rather than the maximum two year extension which would have been possible, were the following:

1. In view of the grave concerns which were expressed in 1977 regarding the impact on the Faculty of underfunding, the CAB felt that an early campus visit, to see first hand the improvements of the past four years, was warranted.
2. While the development grant will no doubt be extremely beneficial to the Faculty, plans for its utilization had not been outlined in the August 1980 Faculty report to CAB. It was felt that at the time of a Fall 1981 visit, Faculty plans for the funds will have been firmed up and partially implemented.
3. The recent curriculum changes in the HSS and A area will be fully implemented in Fall 1981.

Dean Kuffel has requested an accreditation visit for the Fall of 1981, to review the five undergraduate programs in the Engineering Faculty.

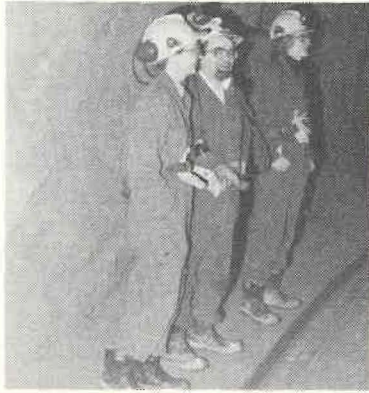
Licences Issued

H. Ahmad (Ont.), E.S. Deutsch (Ont.), P.C. Ellard (Ont.), R.W. Gush (Sask.), D.J. Hannigan (Ont.), C.D. MacPhedran (Sask.), P.G. Stipanitz (Ont.), J.M. Tupling (Ont.), A.T. Aberera (Ont.), Steve Colden Alderson (California State Board), John I. Daniels (Sask.), Myron J. Ewanchuk (Sask.), Robert James Genereux (Sask.), Donald Vincent MacPherson (Ont.), Alfred Alexander Ravins (Ont.), George Francis Bourassa (Sask.), Alfonso Tiu Go (Alta.), Nathan L. Leipziger (Ont.), Farouk M. Shah (Sask.), Allen Dale Williams (Alta.), Hans Gunther Berger (Ont.), Denison Harle Featherstonhaugh (Ont.), Michael David Gallant (Ont.), Ludwik Hajduk (Ont.), Pritam Singh Lamba (Ont.), Bruno Joseph Lukes (Ont.), Jacques Herve Nantel (Ont.), Harold James Neumann (B.C.), Robert William Savage (Ont.), Montgomery Wilson Russell (Sask.), William Henry Bokhoven (Iowa), Laurence G. Cazaly (Ont.), Ernest Henri Emile Hal-e-wijn (B.C.), Jerome Matthew Helfich (Sask.), Robert William Kennedy (Alta.), Kenneth Koo (Ont.), Johannes Antunpradana Patra (Alta.), Ian Samadi (Ont.), Zdzislaw Ludwick Szeliski (Que.), Jerome J. White (Sask.).

WINNERS — CAPTION CONTEST



"I'll take another double down here on the floor." — Don Fonger



**TIE:
Awaiting Transit Thompson — Paula Isaak
Can't hold it much longer — Don Fonger**



"They're Unisex." — Heinz Lausmann



**"That ought to jolt the feminists."
— Vivienne Fonger**



**Mmmmm. Must be Chanel #5.
— Monica MacWilliam**



"I have to stand near the respirator because of my pipe." — Anon.

Staff Opening Managing Director and Registrar

The Managing Director is responsible to the Council for administering the Engineering Profession Act. Capable management, initiative and effective liaison with the elected executive are required to give continuity to the activities of the Association. Relating well to office staff, 2,600 members, the public and government, will give credence to the Association.

The successful applicant needs to have an enthusiastic approach, general managerial skills and an ability to meet people easily in order to represent appropriately the aims and image of the Association. Applicants must be eligible for membership in this Association.

Written applications, complete with letters of reference, will be received until June 30, 1981. Apply in confidence to R.C. Isaak, P.Eng., President, Association of Professional Engineers of Manitoba, 640 - 175 Hargrave Street, Winnipeg, Manitoba, R3C 3R8.

Policing the Act

The assistance of all members of the Association in the administering of the Engineering Profession Act is solicited. If you become aware of any possible infractions of the Act please advise the Association office. As an example of what can result we cite the case of a non-member of this Association distributing a business card that appeared to indicate he was qualified to do professional engineering work. The matter was turned over to our solicitor, the person distributing the card was asked to cease and desist and to offer evidence that he had done so, and his employer was advised of Section 19 of the Act which states that "no person shall knowingly employ as a professional engineer, or for any work that requires the services of a professional engineer, any person who is not either a member of the Association or the holder of a licence issued under this Act".



Members of Council lull Ross Scrase to sleep at Portage meeting.

F.G. Denson, P. Eng.

We regret to record the death of Gordon Denson, P. Eng. on May 1. Gordon was registered with this Association in 1954. He served on our Salary Committee for 10 years and was Chairman of that Committee for 4 years. He was on the Employee Engineers Committee for 5 years and on the Council of the Association for 2 years. He will be sadly missed by his professional associates and by the Association he served so well.

New Members

A.W. Bork, J.W. Campbell, T.A. Canning, F.W. Corey, T.R. Fenton, M.D. Garner, F.H. Lieben, T.H. Higgins, K.J. Longfield, B. Marsden, G.W. Nickerson, B.R. Dryden, H.E. Enns, R.H. Payne, J.D. Russell, J.K. Stafford, K.R. Walsh, T.R. Masuda, A.M. Sharaf, C.P. Brown, J.A.C. Forrest, Donald Brian Charmichael, Barry Arthur Gordon, David Nelson Huminicki, Laina Victoria Keung, John David Kosc, James Mile, Ronald Foster Mitchell, Michael James Robertson, Peter Mattinson Thorp, Brian Krysa, L.R. Dubreuil, B. Barlin, G.P. Beauchamp, W. Czynnyj, N. Dashevsky, H.F. Keats, P.W.A. Severin, P.P. Soszek, S.P. West, D.I. MacIntyre, J.D. Bennett, B.C. Glasser, P.E. Lawrence, C.C. Bristol, H.Q. Khan, R.M. Calderon, A.E. Minaker, J. Driedger, W.G. Acheson, J.A.E. Belagus, J.W. Bogan, T.B. Brewster, B.A. D. Cerqueira, I.M. Christiansen, S.P. Grant, K.J. Heason, J.C. Huculak, G.D. Johnston, Md. Golam Kibria, P.L.H. Mong, D.B. Olszowiec, K.T.J. Raban, F. Rahman, P. Sawatsky, H.C. Tay, J.F. Taylor.

Tougher Entrance Requirements

The new examination on the Act, By-laws and Code of Ethics required of all applicants for registration, licence and engineering graduate status, approved by Council at its February meeting, is achieving its purpose — to ensure that all those who become registered or licensed or are admitted to engineering graduate status, are completely familiar with the Act, By-laws and Code of Ethics. There are 52 questions on the exam-

ination, the pass mark is 85, and several of the questions are valued at 5 marks each.

At a recent Council meeting all of the applicants who were admitted to membership on transfer had been required to write the examination a second time. One applicant for a licence (the person who had achieved a mark of 97%) advised the office he had spent 20 hours on the exercise.

An examination for all those applying for registration was first instituted in 1973. The failure rate on that examination over the years was less than 1%. The new examination that came into effect in February of this year is encountering a failure rate of over 50% on the first effort and a small failure rate on the second try.

Anyone joining this Association in any category must present ample evidence of a clear understanding of the Act, By-laws, and Code of Ethics.

Lost or Strayed

Mail for the following members has been returned to the Association office. Would anyone who has a current address for any of these members please contact the office.

L.M. Breithaupt, R.N. Brownell, D.H. Currie, G.A. De Cuyper, O.S. El-Zabet, J.C. Hayward, B.A. Hughes, G.M. Hughes, J. Hunter, R.A. Johns, B.W. Kondratuk, L.G. Nicholls, B.S. Stewart, P.G.S. Trainor, J.C. Wyder, J.H. Armitage, R.H. Banks, J.Z. Demiany, J. Hunter, R. Jansen, D.W. Jung, B. Martens, F.J.M. Robert, I.R. Robinson.

FINAL NOTICE

Members who have not yet paid their 1981 annual fees are reminded that the total fee must be in the Association office by June 30th. Under provisions of both the Engineering Profession Act and the By-laws of this Association any member who fails to pay his annual dues by June 30th is removed from the register of professional engineers and may not practise professional engineering after that date. Moreover it is contrary to the Act for any employer to knowingly employ "as a professional engineer or for any work that requires the services of a professional engineer, any person who is not a member of the Association or who is not the holder of a licence issued under the Act." It is the responsibility of the Association to enforce the provisions of the Engineering Profession Act, and any person whose fees are not paid by June 30th will be written off for non-payment of dues. His name will be listed in the 1981 issue of the Membership Roster as having ceased to be a member and will also be listed in a subsequent issue of this publication.

Hurray for Kenneth Webb

At its February meeting Council approved a new and tough examination on the Act, Code of Ethics and By-laws that is required of all applicants for registration, transfer, licence, reinstatement or engineering graduate status. There are 52 questions, several of which are worth 5 marks each — and the pass mark is 85. This has resulted in the majority of applicants having to write the examination twice. But not Kenneth Webb. Captain Kenneth Webb sent in a perfect paper — our first. Congratulations Kenneth Webb, P. Eng.

The Ritual Of The Calling Of An Engineer

On behalf of Wardens Tom Weber and Craig Sommerville, I would like to express their appreciation for the donations that have been received from various engineers throughout the Province. This financial support has assisted considerably in improving our cash on hand position for the Camp. Further donations will be gratefully received.

For your information, the Iron Ring Ceremony will be held for the Fall session on Wednesday, November 18th, 1981 at the University of Manitoba. Engineers who are not obligated, but would qualify may do so by contacting the Secretary at 1479 Buffalo Place, Winnipeg, Man. R3T 1L7, Telephone: 284-0580.

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

Registrar Saltzberg

At its meeting on April 13, 1981, Council appointed Walter Saltzberg, P. Eng. as Secretary and Registrar of the Association. At the same meeting Council passed a unanimous motion thanking Vice-President Jardine "for the excellent job he did in the position of Secretary and Registrar." Mr. Jardine had held the position since December. Council also set up a Selection Committee to deal with the matter of hiring a permanent Managing Director (See page 13).

MOVING?

PLEASE let us have your change of address.

COURSE

Department of Electrical Engineering, University of Manitoba, in cooperation with the Industrial Applications of Microelectronics Centre Inc., is offering a specialized short course on the Theory and Design of Computer Communications Systems. The course fee is \$500, and includes a set of course notes. For further information, contact either W. Kinsner or J. Kasman, at 261-9620, or R.M. Mathur, at 474-9603.

Stricter Enforcement

Following are new practices adopted by Council in the enforcement of the Engineering Profession Act. When a person ceases to be a member of this Association for whatever reason he is asked to return his seal by a given date, and he is advised that if the seal is not returned legal action will be taken for its recovery. Legal action follows in all cases where the seal is not returned by the date specified by the Registrar.

From the Archives

March 1968 issue of the Bulletin advised that Donald W. Craik, P. Eng. had been appointed Minister of Mines and Natural Resources for the Province of Manitoba.

President Fowler won the curling bonspiel in 1968 with his packed rink of Messrs. Gottfred, McPhail, Hanson and Clapham.

"After attending meetings and hearing reports connected with proposals for permanent quarters, it becomes increasingly obvious that any building proposal tied to a substantial increase in annual fees is not going to get very far off the ground." —1960

Report from Dean Kuffel

Dean Kuffel has submitted to President Isaak a report summarizing the utilization of the Economic Development Grant, together with the up-to-date progress. A copy of this report is available in the Association office, and will be made available upon request.

" there is a sort of magic in the written word. The idea acquires substance by taking on a visible nature, and then stands in the way of its own clarification."

- W. Somerset Maugham

Petroleum Mapping and Surveys

A seminar on this topic will be held at the Banff Centre, October 14, 15, 16, 1981. Further information may be obtained from the Canadian Petroleum Association, 1500, 633-6 Avenue S.E., Calgary, T2P 2Y5.

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.

Employment of Engineers

Section 19 of the Engineering Profession Act states that

"Except as herein otherwise provided, no person shall knowingly employ as a professional engineer, or for any work that requires the services of a professional engineer, any person who is not either a member of the Association or the holder of a licence issued under this Act".

Any suspected infractions of this section of the Act should be reported to the Registrar at the Association office.

Call for Papers

The Canadian Acoustical Association announces a call for papers for their symposium on October 8-9, 1981 in Edmonton. For further information contact Dr. G. Faulkner, Department of Mechanical Engineering, University of Alberta, Edmonton.



Portage Engineers doing what comes naturally.

Golf and Other Endeavours

In spite of the overcast sky 120 engineers showed up at Elmhurst to golf, (or a distorted facsimile of same) on May 25. Sandy Gibb was the first honest golfer to return to the clubhouse. He said he couldn't blame the weather, the clubs or a crowded course. Only lack of talent. Doug McQuarrie brought left handed curling brooms along because he had heard the golf had been rained out. Ken Buhr was wearing the latest in wet-weather golf shoes — Dutch clogs.

Bill Macgregor decided he was a better naturalist than a golfer, and he adopted a crow on the course and shared his chiclets with the crow. At the 17th hole Ken Franklin reported he was "having a great game." He had not lost one ball — never having hit one out of sight.

Ben Rempel, who was playing his second game ever, and Bob Armstrong who was on his third, teamed up to prove that you can have a very good time if you don't take things too seriously. Rumours that Bill Mackenzie was using a putter off the tee in order to handicap to his opponents' level were denied. But he did leave his driver in the bag. Les Wardrop, who was President in 1959 and 1960 made his golfing debut in the tournament with Russ and Dave Sharpe. They reported that the golf was very enjoyable, that they had terrific scores and that the supporting documents had been mislaid.

Alex Brown won the cribbage tournament. Dick Russell sprung for drinks to try to dull Alex's mind. In order to confuse Earl Buchinski, Dick and Alex

made him peg backwards. Farmer Brown is into chickens now and was taking orders for fresh eggs. He gave up geese after one of them tried to run Alex off his own farm.

Lewis James and Al Rushworth gave the most succinct summation of their efforts. "Not good." Overheard on the 9th hole — "Where's the beer?" — Larry Buhr. "I want my cookies." — Paul Lowe. "I'm getting better. I'm off the tee and I'm only counting 2." — Bill Beley.

Bob Gottfred gave up trying to hit the ball any distance and decided to resort to throwing it. He hit George Pratt with his first pitch. Academics Beley, Clayton and Sparling called an ad hoc meeting on 12 to discuss whether the correct terminology was "lying 5" or "shooting 6."

Grant McNichol got the low gross for members of Council and the high net in the same category. Doug Petriw and Rudy Derksen teamed up. Rudy's last game was three years ago and he went from 122 to 122 in that interval. Doug's last game was a year ago and he shot 113 this year and can't remember how he did last year, all of which goes to prove the fellow who plays only every three years has a better memory.

Phil Wilkinson, John Earl, George Valaitis and Ray Higgins reported there was no highlight in their endeavours other than the fact that they had all skipped out of Burroughs and left Dan Card at work. George reported that the crow was not chewing gum when he saw it — it was removing turf.

Gordon Smith added a lot of class to the tournament by golfing in a tie. President Rudy Isaak and Vice President

Ken Jardine added more prestige by coming in their matching (almost) executive hounds' tooth jackets.

Dave Oppenheimer won the Landon cup for the low net, and Kim Fries won the Sullivan cup for low gross. Other winners were Harry Martel, George Valaitis, Harold Wilson, Bill Horner, Don Mulder, Doug McQuarrie, (worst dressed — he wore a curling sweater to go with the brooms), Larry Buhr (best dressed — attired all in blue to match how he felt about his game), Reinhard Sprenger (most honest, most exercise), Lewis James. Ed Lipinski came the farthest distance. Alf Cornieş and his group were given green tee shirts so they can blend in with the bushes where they spend so much time.

Prizes were donated by M. M. Dillon; Reid Crowther, Boge and Boge, Domin-

ion Bridge, Empire Iron Works, Inland Cement. Vic Becker directed traffic, ably assisted by Al Bischoff, Arnie Permut, Alf Cornies, Sandy Gibb, and Pat Cross who took the entries at the office and looked after the registration desk. President Rudy Isaak presented the cups and prizes. Ben Rogers took the pictures and won at bridge, and Bill Mackenzie drove the reporter home to Fort Garry. See you at the curling. Will Doug McQuarrie show up with a putter and a three iron?

— S.J.A.

Engineering Graduates Enrolled

N.D. MacAlpine, L.L. Tecter, G.R. Boston, Neil Perry Shirliff, D.E. Carr, J.G. Cross, L.M. Fridfinnson, E.K. Zariffeh, E.H.S. Fung, T.N.E. Wilson, C.W. Bolton, C.T. Columbus, J.G. Kelly, P. Shim.



Reporter Shirley Matile, P. Eng. (and Shadow) at work on an assignment.



Councillor McNichol explains to new members that it takes two hands to keep a drink warm at a New Member Reception.

Can You Identify These Celebrities?



Sheik Evad



Popadopodickolas



Tom Jones



Beefeater



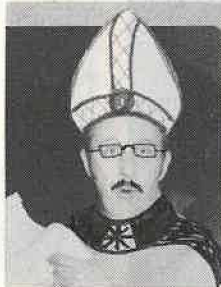
Big Chief



Rabbi Ben Ezra



Fu Manchu



Archbishop Liryc



Charlie Chaplin