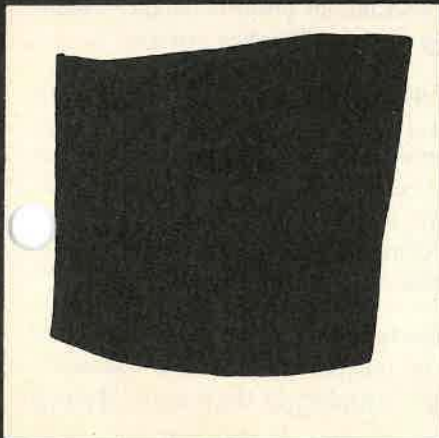
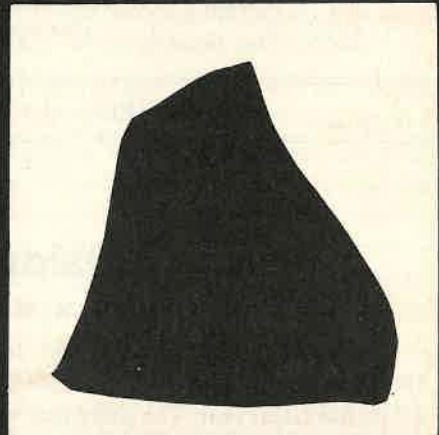


October

Bulletin

82

*The
Manitoba
Professional
Engineer*



**Annual Meeting
Edition**

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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, OCTOBER, 1982

President's Report

By K. M. Jardine, P. Eng.

This report covers the highlights of a 10½ month president's year in office and a 9 month fiscal year. The short year was brought about by by-law amendments which adjust both the fiscal year end and the annual meeting date. The changes were initiated to allow more time to close and audit the Association books. The new October 15 date for the annual meeting will avoid conflicts for many Engineers and will allow them to attend.

Many of you will have met Oulton Rogers, P. Eng., newly appointed General Manager and Registrar. Mr. Rogers brings a fresh outlook and a new perspective to Association affairs. His contribution to the profession will continue to grow in the years to come as he becomes established in the position.

One of Mr. Rogers' initiatives has resulted in the formation of an ad hoc committee to review registration procedures. The objective is to ensure fair and consistent treatment for applicants and to evaluate recent moves by other provincial associations towards tougher examination and qualification criteria.

Another new committee formed this year is the Continuing Competence Committee. The mandate of this group is to recommend to Council some programs to monitor continuing education and competence among members and to oversee their implementation.

The formation of the Committee grew out of the presentation and discussion which took place at the Special Meeting

in June. The discussion was spirited and wide-ranging and the concensus was that it was time for the Association to take action.

The June meeting also dealt with a series of by-law changes which were mainly housekeeping in nature. An important change was the increase in the membership of the Practice and Ethics committee from 9 to 11. The intention of the change is to allow this important and hard-working committee more flexibility so that cases can be dealt with simultaneously.

It was one of the more pleasant duties of the President to attend meetings of Engineers in Manitoba and across Canada. I was particularly pleased to be able to be present at the Order of Engineers of Quebec meeting when they were dealing with the government order to admit technologists to their membership. The Quebec engineers have been handling the situation with strength and determination and Manitoba's support was given to them.

The meetings with members in Thompson and Brandon were well attended. There was no shortage of feed-

back from either of the meetings. The Thompson group is considering the formation of an area committee along the lines of the one in Brandon.

From the position of President one becomes aware of the unselfish effort that goes into making our Association tick. This year's Council is an outstanding example with a very high level of participation in Council meetings and other affairs of the profession. The dedication of the committee workers and those who represent the Association on various boards is admirable, and without the office staff backing him up the President would have a difficult task indeed.

Looking back over the year my feeling is that the status of the profession and the general level of understanding of what engineers do have continued to improve as the professional associations across the country look seriously toward better control of entrance and practice standards. As tough economic times overtake us, the need for a strong professional association becomes perhaps more important than ever if we are to maintain the high standards of engineering performance to which Manitobans have become accustomed.

Report of the Registrar

The work of previous Registrars, and of the office staff, smoothed my transition into the Registrar's duties.

The support and patience of the Executive Committee and Council, and in particular the insight, guidance, reassurance and unfailing good humour of the President, have encouraged the progress.

In the short, nine-month year, 84 applications for registration were

reviewed and passed to Council for consideration. Also reviewed were 82 non-resident licence applications, 11 applications for reinstatement to membership, 48 applications for enrollment as Engineering Graduates, and 40 applications for transfer.

Applications receive very careful scrutiny to ensure only those persons qualified to practise are granted membership.

A processing time of four to six weeks is typical, assuming the application does not have to go to the Board of Examiners for an assessment of the candidate's academic credentials, as this Board meets quarterly.

Several changes have been made in the last few months to help "tighten up" the registration process, and more changes are proposed. An examination on the Engineering Profession Act, By-laws and Code of Ethics must be successfully passed to ensure candidates' knowledge. The examination has an 85% pass mark, and despite being 'open book' fewer than 60% are successful in the first attempt. Only two attempts are now allowed. A further review of the examination is under way.

The reference forms for registration have been revised to help better gauge the suitability of a candidate's engineering experience.

The practice of automatically granting engineering experience towards registration for M.Sc. or other post-graduate degrees has stopped. Requests are carefully scrutinized on the basis of the nature and duration of the M.Sc. thesis; and then forwarded to the Admissions Review Board for consideration. Improved guidelines in this area are being developed; I anticipate that a **maximum** of six months' credit may be given in future in exceptional cases.

Council has given its approval for a committee to review all aspects of registration, licencing, etc. Included in the review will be a consideration of the need for closed book examinations on engineering practice, Code of Ethics, etc., as in Ontario, and the necessity for confir-

matory examinations for graduates of all non-accredited programs.

I am confident the changes made, and the review procedure, will be even more effective in protecting the public by ensuring the competent and ethical practice of those being granted membership.

The registration of engineers in the employ of the Federal Government is another area under review. We have received legal advice that these persons are not exempt from the provisions of the Engineering Profession Act, and we will be actively pursuing those non-members.

Rumours persist about "engineers' seals for sale." None of them has reached the Registrar's office as a complaint or substantive charge. I know the Practice and Ethics Committee would welcome such a complaint.

Respectfully submitted.

Oulton A. Rogers, P.Eng.
General Manager & Registrar

Practice and Ethics Committee

The Practice and Ethics Committee met 14 times in the past nine-month "year." The continuing investigations on the Winnipeg Arena Expansion and the Nelson-Churchill River System Hydro Inquiry took much of the Committee's time.

One of these investigations is complete, and a complaint under oath against a member has been filed with Council. The other investigation continues, with access to pertinent reports and information continuing the delay in determining its final disposition.

The following complaints and enquiries were also considered:

- an engineer enquired as to his ethical obligations, having been hired to design certain details of a building being erected apparently without proper plans.
- an engineer enquired as to a solution for the potential conflict between his duty to the public and the confidentiality of the engineer/client relationship. A method was devised, subject to the approval of Council, to ensure this confidentiality while protecting the public.
- a complaint was received that an engineering firm had used parts of an existing specification prepared by another engineer in the preparation of a new specification. It was pointed out that this is "standard" practice, and no further action was taken.
- an engineer enquired as to his ethical obligations if his union called for a withdrawal of service. He was advised that any withdrawal of service could be construed as a breach of the Code of Ethics.
- an engineer enquired as to his obligations regarding a project that was designed by another engineer and never implemented, and to which he was being asked to make minor changes (made necessary by changed conditions) and to implement the work. The engineer was advised that he need only assume professional responsibility for the changes.

The Committee also began consideration of two other complaints and concluded that no further action was required.

A recently approved change in By-law 40 increased the Committee size to eleven from nine. It is hoped this will expedite the Committee's investigations.

I would like to thank the Committee members for their considerable efforts in the past year. They deserve the gratitude of the Association for their dedication, responsibility and effort.

Also, thanks to the Registrar, Oulton Rogers, for his great assistance in helping us to maintain our momentum and perspective.

D. A. J. Ennis, P. Eng.
Chairman



Mr. and Mrs. Ed Lach and Mr. and Mrs. Jack Karras at the wine and cheese party at the reunion

Admissions Review Board

The Admissions Review Board considered thirteen applications for registration referred to it by Council, the Registrar, or the Board of Examiners.

Seven of the applications were recommended to Council for consideration.

Two applications were rejected, one for lack of acceptable references, and one (for re-instatement) due to lack of pertinent work experience over an extended period.

Two applications were allowed credits for experience prior to graduation and for M.Sc. degree studies.

Two applications for registration under the "Distinguished Practitioner Category" were deferred pending a review of this category.

The Board also began a complete review of its terms of reference.

D.E. Cross, P. Eng.
Chairman

A.G. McNichol, P. Eng.
Vice-Chairman

W. E. Muir Wins Agricultural Engineering Award

W. E. Muir, P. Eng., Professor of Agricultural Engineering at the University of Manitoba is the 1982 winner of the Canadian Agricultural Engineer-of-the-Year Award. The award, which is given annually by the Canadian Society of Agricultural Engineering, was conferred on Dr. Muir for his role as an outstanding teacher and for his internationally-known research program in grain storage.

Safety In Engineering Practice

During the past year the Safety Committee undertook a review of the Committee's Terms of Reference. In their review the Committee agreed upon the following:

1. That the Committee should take the initiative on matters involving public safety rather than wait for questions to be referred to it.
2. That the Committee should be involved in and prepared to take a stand on environmental issues affecting public safety.
3. That the Committee monitor all legislation affecting public safety.
4. That the Terms of Reference and make-up of the Committee be reviewed and amended as may be necessary to provide for the above noted.

The Committee considered at some length the implication of Item No. 2. It was felt that this recommendation if adopted would involve a major change of direction for the Committee. It could also well develop into a large issue involving significant major funding. Two alternative approaches considered were as follows:

- a) For the Association simply to call for an environmental impact study where information is provided and where the Association feels it is necessary, and
- b) To review and comment on environmental impact studies which have been prepared.

In either case the Committee would see the Association going from a low pro-

file to a high profile position as a result of an involvement in environmental issues. In the case of alternative (b) the Committee felt that considerable resources would probably be required in some instances. In view of this the Committee decided that it would be advisable to refer this matter to Council together with a request for their recommendations before proceeding further.

At a subsequent meeting of Council, a motion was passed that the Safety Committee be made into an ad hoc committee to deal with problems as they arise. New Terms of Reference for the ad hoc committee are presently under consideration. Meantime the future direction of the Safety Committee continues somewhat in limbo.

Committee membership is as follows: D. L. T. Oakes, R. A. Stewart, R. Wolowidnyk, J. O. Klein, J. W. Tuck, J. G. Malus, L. A. O'Morrow, J. Frye, H. Penner, N. C. A. Hansch, D. Ediger and R. R. Foster.

Respectfully submitted.

G. W. Simonsen, P. Eng.
Chairman

Board of Examiners

K. M. Adam, C. D. Anderson, D. T. Anderson, A. Baracos, C. Booy, E. Bridges, M. G. Britton, J. R. Cahoon, J. Dobrovolny, L. Domaschuk, A. D. Gerard, O. Hawaleshka, F. Kaita, R. W. Menzies, O. C. Norris-Elye, and W. L. Pawlikewich served on the Board during the 1982 term.

Only three meetings were held in this term. The rescheduled Annual General Meeting prevents inclusion of the assembly normally scheduled for September.

Assessments were made of forty-one applications. Of these, one candidate was referred to the Admissions Review Board, one was assigned qualifying examinations, thirteen were given an examination program, eight had one or more confirmatory examinations, one assessment was deferred pending a personal interview and seventeen were found academically qualified.

In addition, six assessments were reviewed with one remaining unchanged, three assigned examination programs, one assigned confirmatory examinations and one considered academically qualified.

Three candidates successfully completed examination programs assigned to them and two persons passed their confirmatory examinations.

Thirty examinations were written by seventeen candidates in the Spring sitting. Eighteen examinations (60%) were passed.

A sub-committee of the Board under the chairmanship of F. Kaita completed guidelines for the assessment of applications and these were accepted by the Board.

The Board extended its thanks and appreciation to O. C. Norris-Elye who resigned from the committee following the December meeting.

Prof. G. A. Morris was welcomed as Council's liaison member with the Board.

The Board wishes to acknowledge the contribution of O. A. Rogers and Mrs. J. McKinley to the business handled.

I thank each member of the Board for their continuing efforts to maintain high engineering standards in the province.

W. L. Pawlikewich, P. Eng.
Chairman

Consulting Engineers

The Consulting Engineers' Committee held nine meetings during the past year. Several matters were resolved and four items are currently under discussion.

The ramifications of the new provincial government Bill 10, The Builders' Liens Act, were discussed as they affect contract administration. The Committee will remain alert for any problems which might develop.

The Committee's Terms of Reference were reviewed and recommendations for revisions submitted to and accepted by Council with minor amendment.

The Committee reviewed the recommended hourly fees for the professional services of principals and executive engineers of consulting firms as shown in the Guide for the Engagement of Consulting Professional Engineering Services. These recommended fees had not been changed since May 1979. All other recommended fees or rates are based on actual salaries or on project costs so are automatically adjusted to inflation or deflation. The Committee proposed new recommended hourly fees to be effective when accepted by the membership. The Committee also recommended procedures by which these fees would be adjusted for changes in costs arising from inflation or deflation by being related to the recommended salary schedule issued annually by A.P.E.M. Council accepted the Committee's recommendations and arranged for them to be put before the membership as resolutions at the special meeting held on June 15, 1982. The resolutions were passed.

Matters currently before the Committee include a review of proposed amendments to Bill 10, a review of procedures for licensing non-resident con-



Al Hayman and Art Sparling at the A.P.E.M. notice board at the reunion

sulting engineers in other provinces and territories and in the USA, consideration of further proposed amendments to the Guide and discussion on a matter raised by the Electrical Contractors Association of Manitoba.

During the year W. Akins and L. Pokrant resigned from the Committee after several years of active membership which has been much appreciated. New members welcomed to the Committee are W. D. Christie and R. Petri. The other current and continuing members are J. L. Babletek, G. H. Currie, H. Haak, J. Klein, J. G. Malus, R. Morrison, A. Penman, B. J. Rossen, E. Weiszmann, D. Cross as representative of Council and D. B. Whittaker.

Respectfully submitted,

D. B. Whittaker, P. Eng.
Chairman

Seminar

CSME Regional Conference: Nov. 4, 1982. To be held in Regina, Saskatchewan. The topic will be "Value Engineering". For more information call Dale Kimmett at 949-2434.

Salary Schedule Committee

The Salary Schedule Committee task is to produce a yearly recommended salary scale for professional engineers based on the Association's point rating system. This yearly recommendation is presented to Council for approval prior to the annual meeting then presented to and voted on at the annual meeting. The Committee conducts a no-cost employers salary survey each year and uses the results along with a detailed analysis of economic indicators to develop the annual recommendation. Contributing employers are the City of Winnipeg, Manitoba Hydro, Manitoba Telephone System, Province of Manitoba, some consulting engineers, the University of Manitoba, and Inco Metals Company. This year a members' salary survey was conducted and the results are being compiled and will be published in

the near future: 520 responses were received out of a possible 2100.

Committee members are: Nick Fedorchuk, Charlie Ireland, Barry Rindall, Brian Klaponski, Carl Anderson, Dave Duncan.

Corresponding members are: F. S. Gira - Flin Flon, W. P. Clement - Thompson, Anjad Mior - Gillam.

Art Round, P. Eng.
Chairman



Old friends meet again in the A.P.E.M. Oasis at the reunion



Russ Sharpe and friends at the 75th reunion

The Bulletin Committee

The Bulletin continues to be circulated every other month which is evidence that the people whose names appear on the masthead continue to come to the A.P.E.M. office to formulate ideas and return again later with the written copy to be submitted to the printer, and finally to review the magazine before it is distributed six times a year. If that sounds like a lot of work it is, so I am very pleased to once a year state publicly how much I appreciate the effort everyone puts in.

The Bulletin Committee can not work in a vacuum so it is to those members who took the time to write in both positive and negative comments we give our thanks. By incorporating your comments into our general thrust we can improve in fulfilling our objective.

We did a special issue on the Faculty of Engineering, University of Manitoba 75th anniversary which was extremely well received. The success of that issue came about primarily due to the efforts of a number of U. of M. alumni who wrote articles on their university memories.

In closing I wish to give special recognition to the efforts of Mrs. Loreen Dunklee. No one works harder for your Association than she, and her labour of love in providing the office co-ordination, writing articles and general management of the Bulletin deserves special and individual mention.

Respectfully submitted,

Roger Kane, P. Eng.
Editor

Historical Notes

It was fear that first made gods in the world.

— Statius.

Ad Hoc Committee on Continuing Competence

The Committee was established by Council in February, 1982, to review the continuing competence experiments in other jurisdictions, and to consider the need for an ongoing review of members' competence to practise.

The Committee was directed to report to Council within three months on the need for: the encouragement of voluntary upgrading; mandatory upgrading; and a permanent committee.

Five regular meetings were held, and a report was presented to Council at its May meeting and verbally presented by the Chairman, Mr. Swan, at the Special Meeting of the Association in June. The broad terms of reference, and the volume of material to be covered, did not permit an in-depth study to be made in the time available. I believe, however, that the report reflects contemporary ideas on continuing competence. On the basis of the Ad Hoc Committee's findings, Council has established a permanent Continuing Education Committee to embark on a program of voluntary upgrading of members, administered by the Association.

The Committee owes a debt of gratitude to Mr. Paul Hurley of the University of Manitoba Continuing Education Division for his invaluable assistance. Also, to the sub-committee members, John Bachmann, P. Eng., and Ken Buhr P. Eng., who did an excellent job of co-alescing opinions into a final report, and to secretary Joan McKinley for her work.

Oulton A. Rogers, P. Eng.,
for

G. Gary Swan, P. Eng., Chairman.

WORLD WAR II The Class of '50

Following the Falkland Islands' war, many Canadians became concerned whether Canada could defend the Arctic islands against an invasion by Liechtenstein.

The Bulletin recognized that the Engineering class of '50 had much experience in winning World War II and although there were no generals in that class, they did have much weight to throw onto the consideration of keeping our true North strong and free. Therefore, a reporter was dispatched (with a case of beer) to get some clear-cut recommendations for the Prime Minister, his secretary, or office boy or whoever it is who is responsible for looking after the Armed Forces.

The investigation followed standard opinion-poll techniques and has an accuracy of $\pm 5\%$ so can safely be accepted as the opinions of last war's junior officers. Interviews were conducted by subliminal conversation (the interviewer drank the beer). The interviewer thought intensely of individuals in the Class of '50. Interviews were cogitated into groups — Navy, Army, Air Force.

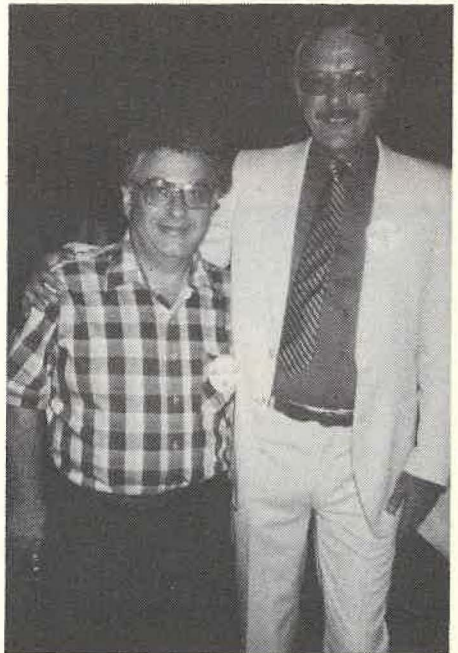
Interviews with Bill Adams, George Reshaur and Al Hayman were somewhat foggy, possibly due to transmission difficulties over the mountains or perhaps because the interviewees were eating lotus eaves.

Transmission from locals like Harry Burns, Ray McQuade, Bill Newton, Bill Finnbogason and Charlie Langer came in all too strong and may have caused a slight 'port list' to the result.

The Alberta contingent under the chairmanship of Bob Wharton felt that the National Energy Pogrom (N.E.P.) and Marc Lalonde were the potential enemy rather than Liechtenstein. Our reporter was able to contact M. Lalonde but he was flying too high to be understood clearly. He thought he heard him say 'Murder Albert' or possibly it was 'Merde Alberta'. This opinion was not tabulated as being on another political subject.

The recommendations to the Prime Minister and the Minister of National Defence (if there is one) are:

1. Recruit only personnel who have their own boats (ships), rifles and aircraft because the Armed (?) Forces are short of equipment at the present time. Equipment should not be made of combustible material.



The long and the short of it at the 75th reunion

2. Last war's uniforms should be worn so that one can tell Navy from Army from Air Force from C.W.A.C. Elastic for enlarging waste and/or waist bands should be supplied from Ottawa which has much experience with fat.
3. The top 13,000 Generals in Ottawa should be fired without indexed pensions and replaced by the Class of '50.
4. H.Q. should be at Eureka, N.W.T. and billeted in snow houses.
5. The Services should be unilingual-speaking Inuktituk because it will be they who will be doing the fighting.
6. Surplus cheese produced by subsidies to Quebec should be used for rations and thereby cut the latrine detail 48% (Metric) and Arctic pollution.
7. Since the Armed Forces will perform an essential service (like the Post Office) each member who has served in two wars should get

52 weeks maternity benefit in reward for ideas even if they don't bear fruit.

8. One half of the Armed Forces should be used to fight the foreign enemy and one half to fight waste patronage and tenure in Ottawa. It is felt that if the Class of '50 were to perform the Ottawa detail they could make the war show a profit.



Linda and Ray McQuade at the 75th Reunion



John Shewchuk lost his head over Elaine Johnson at the 75th reunion

USE YOUR SEAL!

The Practice and Ethics Committee has recommended that members should be reminded that the Act requires each Professional Engineer to seal estimates, specifications, reports, working drawings, plans and other documents issuing from his/her hand, and further that the Code of Ethics requires that the member use his seal on work that his training, ability and experience render him professionally competent to undertake. A member may seal drawings in a discipline that does not correspond with his/her degree, provided that he/she does not contravene the Code of Ethics regarding competence in this regard.

FACULTY OF ENGINEERING 75TH ANNIVERSARY PUBLICATION

In conjunction with its Anniversary celebrations, the University of Manitoba Engineering Faculty has published an illustrated 68 page history of the Faculty.

Copies of the publication may be purchased at a cost of \$5.00 each from:

Engineering Anniversary Publication
Room 350 Engineering Building
University of Manitoba
Winnipeg, Manitoba
R3T 2N2 (204) 474-9808

Please make cheque payable to Faculty of Engineering, University of Manitoba.



Mr. and Mrs. Lowell Campbell at the recent Alumni luncheon

Letter

The Editor
The Engineering Times
1300 Bay Street
Toronto, ON M5R 3K8

Sir:

"Swine n. (plural the same)" — The Concise Oxford Dictionary.

On page 10, of your issue of June 14th, we find the headline, "Using the sun to keep the swines warm".

Are we engineers considered to be so illiterate that your head-line writers can treat us as intellectual "swines"? Perhaps your "professional writers" are attempting, in the style of so many American writers, to reduce all technical writing to the standards of "basic" English? Then again, it may be that your writers are unaware of the fact that English has plural nouns that do not end in

Coming Events — Courses

September 22

Revitalizing Old Residences

September 28

Managing Organizational Change and Conflict in Engineering

October 26

Managing Junior and Intermediate Engineers

October 28-29

Technical Report Writing

For further information on these courses contact Paul Hurly at 261-5760.

ess. Or (terrible thought!) it may be that you now have only city-bred staff who have lost touch with half of our nation.

It is interesting that, on the same page, two gentlemen, Roger Davies and Eric McLuhan, hold forth on the subject of engineers and their ability (or lack of it) to write, waxing eloquent on the two hemispheres of the brain. We are then treated to a lengthy dissertation on "why engineers have trouble with written communications". After much questionable logic, the authors conclude with the paragraph.

"It is no secret that very few engineers or scientists are able to write well. The reasons for this are of both a practical and an imaginative kind. During one's training, the amount to be learned is enormous — too great to leave time for 'the arts'. But that same training has a concealed objective of refining to a peak (what a mixed-up metaphor that is!) the skills and imaginative abilities of the left hemisphere only to the complete neglect of the right hemisphere. This means

engineers are inhibited from mastering the rest of writing skills by a bias in their own technical education."

What nonsense!

For something over thirty years, I was involved in the educating of engineers. I have read hundreds of reports and theses. The under-graduate reports were, invariably, acceptable reports, taking into consideration the stage of development of the student. If they were deficient, it was in the span, or range, of their vocabulary. However, as education is a never-ending process, I am certain that our graduates' vocabularies have developed as they have matured in their professional careers.

As to the "concealed objective" of engineering education, this is a figment of the imaginations of Messrs. Davies and McLuhan, as is the statement, "the rest of writing skills", whatever they may be.

I, for one, am tired of being told that engineers and scientists cannot write. The wealth of literature in our Science and Engineering libraries, from The Ameri-

can Scientist to Zoological Reports, bears witness to my claim that technical people are both prolific and competent writers. It would seem to be time for your publication, without a single P. Eng. on your mast-head, and with a vested interest in selling your course on Effective-writing-for-Engineers, to give some serious thought to the ethics involved in your position.

Very truly yours,
V. L. Dutton, P. Eng.

(copy to A.P.E.M. Bulletin)

Free Travel During Hard Times

Since we have recently learned that it costs the taxpayers nothing to haul a private rail car on a scenic tour through the mountains (and wash the eggs and tomatoes off from time to time), why shouldn't this excursion be made available to the taxpayers themselves? If you wish to take a scenic tour through the mountains at no cost to anyone, simply fill in this form and mail it to the Prime Minister.

I _____
wish to make a reservation to take my family on a trip through the Rockies in a private car at no cost to anyone. Please advise me of the dates on which the car can be made available to me. We salute you.

Lost or Strayed

We cannot locate the following members. Please contact the office if you know where they may be reached: Gary M. Halliday, D. G. Drake, K. R. Bailey, J. J. H. P. Gagne, V. Cicha, J. H. Gasper.

Council Meeting August 9

Council moved briskly through the approval of the agenda, the minutes of the meeting of July 12, licences, engineering graduates transfers, registrations and reinstatements and the appointment of an alternate signing officer to the secretary.

While sandwiches were being consumed, Micheline Bouchard and Maureen Lofthouse, co-presidents of the organizing committee of the Second Convention of Women Engineers in Canada, presented a brief to Council on behalf of the convention to be held in Montreal in April 1983.

There was a preliminary report from the Committee on Committees, a three-man Committee of Councillors (Dick Haywood, Bob Foster and Fred Jost), operating under the chairmanship of the diligent and tireless Fred Jost who believes that if a committee meets once a week it will soon clean up its assignment.

And the good news for Rudy Isaak's tennis partner was that the meeting adjourned at 7:05.

IMPORTANT NOTICE

The name of F. A. Roberts was inadvertently left off the list of the slate of nominees for Council submitted by the Nominating Committee. The full slate is as follows: R. R. Foster, R. A. Kane, E. F. MacKenzie, I. H. McKay, F. L. Nicholson, F. A. Roberts.

Oulton A. Rogers, P. Eng.
General Manager & Registrar

THE ECONOMY

Last week someone from the A.P.E.M. office was musing on some projections which had to be made for the upcoming fiscal year. No man is an island, and the general state of the world economy does reflect on each member of the Association. In a climate where lay-offs, bankruptcies, wage rollbacks, etc. are the norm, the effect this has on the membership is for the first time in a long period of great concern to the projections of the Association.

Engineers never have been guaranteed a place in the sun, and no responsible member ever advocated a philosophy different from a good day's work for a fair return. Unfortunately many of the individuals are being faced with some hard decisions. Can they stay in Manitoba, in Canada, in the profession of engineering and still meet their day to day needs? The engagement of engineers to perform a service can only be justified if there is something viable at the other end. No one will build anything unless it will offer some return.

It is virtually impossible to predict, but it appears as though some very tough times lie ahead. There is no single cure. We in Canada seem to be paying a higher price than we should due to some very short-sighted policies of government. Manitobans who forged a home for themselves in a very hostile environment should be better prepared than most to meet the challenge of survival. Surely in a group which finds its roots from the toughest of people anywhere, who braved bitterly cold winters, floods, insects and all variations of nature's never ending campaign to ensure that only the fittest will survive, can find the necessary

strength to fight off a man-made problem such as a recession.

The challenge of the A.P.E.M. may seem like small potatoes compared to the plight of a whole country such as Mexico today and maybe Canada itself shortly. It will be on the ingenuity of each person in his own quest for survival that the outcome of the larger group rests. When we come out of this there is a reason to believe that we may be better off.

As Plautus said "Worthy things happen to the worthy"; so shall be the fate of each one of us.

—R.A.K.

Use of Seal

Section 18 of the Engineering Profession Act reads as follows:

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

COME TO THE ANNUAL MEETING

October 15, 1982

Holiday Inn -
Downtown

Guest Speaker

at the Awards Luncheon

Lloyd R. McGinnis, P. Eng.

Canada's second wittiest speaker will speak on "innocents abroad" or "the Manitoba professional engineer in Africa".

Engineering Excellence

The latest exploits of our Prime Minister have caused no end of discussion amongst all social segments across Canada. Unfortunately, all of this dialogue has been very unflattering, to say the least.

I would propose that the engineering segment of this Grand Land should appreciate our Prime Minister for what he is — Our Prime Engineer.

Besides having two sons born on Christmas Day (His competitor only had one), our first person has now achieved and perfected what no mortal has ever come close to — perpetual motion. Not only has our Prime Minister discovered a way to move locomotive cars across the country at no cost, but he has also found a way to extract, at the same time, a cost-free holiday — all with no capital input, either from his pocket or even from the taxpayers' coffers.

This latest and greatest fait accompli should be lauded and applauded from

shore to shore by all Canadians, not just the admiring few who have turned out at various stations to sacrifice local produce in the name of engineering excellence.

This unsurpassed accomplishment must be rewarded for what it truly is and I would recommend that our dominant political fixture be properly recognized by the Engineers of Canada and should in the face of his recent discovery, be honoured with a proper and fitting salute.

—J.L.

The Annual Meeting

In 1924 more members of this Association turned out for the annual meeting than bought tickets to our dinner and dance at the 1981 annual meeting. In the early days of the Association free cigars were sometimes handed out at the annual meeting and a tenor was engaged to sing through the clouds of smoke. Attendance was normally 30-40% of the membership.

Those members who do attend our annual meetings always appear to be having a good time, either participating in the debates at the business meeting, rubbing shoulders with old friends at the receptions, watching other friends receive awards at our awards luncheon or dancing cheek to cheek with their favourite partners at the dance.

Members of Council and the various committees give hours of dedicated service to the Association throughout the year. Twelve evenings a year Councillors sit around the board table ploughing through the business on the agenda and eating sandwiches, while other members of the Association are golfing, curling or eating steak dinners.



Mr. and Mrs. Frank Roberts at the 75th Reunion

The members of the Association who give so unselfishly of their time and talents, some of them over a period of many years, deserve the support and encouragement of the membership. There is no tangible way to thank these dedicated professionally-minded engineers, but there is an intangible one. Let's show our support and our appreciation by turning out to the annual meeting, to discuss the events of the past year, to review all the reports. Let's not take so much for granted. Let's pause long enough to say thanks. Even if that 'thanks' takes the form of constructive criticism, why not let it be your contribution to the welfare of this Association.

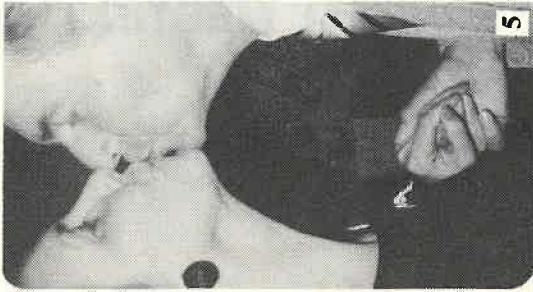
FORMER PRESIDENTS OF THE ASSOCIATION

- | | |
|-------------------------|-------------------------|
| 1920 — M.A. Lyons | 1943 — H.S. Rimmington |
| 1921 — M.A. Lyons | 1944 — H.S. Rimmington |
| 1922 — D.A. Ross | 1945 — G.E. Cole |
| 1923 — A.A. Young | 1946 — J.W. Battershill |
| 1924 — A.J. Taunton | 1947 — B.A. Johnston |
| 1925 — C.H. Fox | 1948 — B.A. Johnston |
| 1926 — D.I. McLean | 1949 — T.E. Storey |
| 1927 — Wm. Aldridge | 1950 — W.D. Hurst |
| 1928 — W.G. Chace | 1951 — W.D. Hurst |
| 1929 — C.H. Attwood | 1952 — C.L. Fisher |
| 1930 — C.H. Attwood | 1953 — J.L. Charles |
| 1931 — R.W. McKinnon | 1954 — G.B. Williams |
| 1932 — J.W. Sanger | 1955 — J. Hoogstraten |
| 1933 — J.W. Sanger | 1956 — J. Hoogstraten |
| 1934 — H.M. White | 1957 — N.S. Bubbis |
| 1935 — J.N. Finlayson | 1958 — L. A. Bateman |
| 1936 — A.L. Cavanagh | 1959 — W.L. Wardrop |
| 1937 — E.V. Caton | 1960 — W.L. Wardrop |
| 1938 — P. Burke-Gaffney | 1961 — C.S. Landon |
| 1939 — W. Youngman | 1962 — R.E. Chant |
| 1940 — F.S. Adamson | 1963 — T.E. Weber |
| 1941 — G.E. Cole | 1964 — B. Chappell |
| 1942 — C.V. Antenbring | 1965 — S.J. Borgford |
| | 1966 — R.T. Harland |
| | 1967 — R.C. Sommerville |
| | 1968 — F.M. Fowler |
| | 1969 — L.W. Blackman |
| | 1970 — J.D. Adam |
| | 1971 — R. Hood |
| | 1972 — S. Barkwell |
| | 1973 — C.R. McBain |
| | 1974 — G.A. DePauw |
| | 1975 — D.R. Grimes |
| | 1976 — C.R. Bouskill |
| | 1977 — E.F. Glass |
| | 1978 — A.W. Gilliland |
| | 1979 — R.A. Johnson |
| | 1980 — W. Saltzberg |
| | 1981 — R.C. Isaak |

MOVING?

PLEASE let us have your change of address

CAPTION CONTEST THE ODD COUPLES



SIXTY-THIRD ANNUAL GENERAL MEETING

October 15, 1982

Holiday Inn Downtown

PROGRAMME

- 8:30 a.m. Registration
- 9:00 a.m. Official Opening by President
Introduction of Head Table
Minutes of Annual Meeting of November 20, 1981
Minutes of General and Special Meetings of June 15, 1982
Declaration of Councillors Elected
Reports
Auditors' Report and Appointment of Auditors
Draft Budget
Nominating Committee Appointments
Salary Recommendations for 1983
Other Business
Greetings from C.C.P. E. and Other Associations
- (If all the business is not completed at the morning session it will be considered in the afternoon.)
- 11:30 a.m. Reception
- 12:00 Awards Luncheon
Presentation of Awards
Guest Speaker — Lloyd R. McGinnis, P. Eng., President of the Winnipeg Chamber of Commerce — "A Funny Thing Happened on the Way to Ouagadougou"
The Gavel Ceremony and the Presentation of the President's Certificate will take place at the dinner.
- 6:00 p.m. Reception — 75 Years of Memories from the Engineering
to Faculty
1:00 a.m. Dinner, Dance

Bring this Programme to the Meeting