




**THE
MANITOBA**

P **ROFESSIONAL**
ENG **INEER**



**bulletin of the
association of
professional
engineers
of the
province of manitoba**

november, 1968



Published by the Association of Professional Engineers of the Province of Manitoba
710 — 177 Lombard Avenue, Winnipeg 2, Manitoba

President — F. M. Fowler, P. Eng.

Vice-President — L. W. Blackman, P. Eng.

Secretary and Registrar — T. W. ALGO, P. Eng.

Council: J. D. Adam, A. Baracos, S. Barkwell, L. S. Earp, R. Hood, P. Shane, R. C. Sommerville
The Manitoba Professional Engineer is published under the direction of the Bulletin Committee

Editor: W. R. McQuade, P. Eng.

Committee Members: W. R. Newton, R. M. Stokes, J. W. J. Lewis, D. A. Farlinger, E. A. Speers,
B. R. Hryhorczuk, K. A. Millions, M. N. Collison, J. G. Illiffe, D. E. Fletcher, D. R.
Thompson, C. E. Anderson, A. O. Prochuk.

WINNIPEG, MANITOBA, NOVEMBER, 1968

FORTY-NINTH

Annual General Meeting

Wednesday, November 27th, 1968, 2.00 p.m.
FORT GARRY HOTEL

PROGRAMME

1:30 p.m. Registration Opens

2:00 p.m. Official Opening by

President

Introduction of Guests

Minutes of Annual

General Meeting of

November 24, 1967

Declaration of Councillors

Elected

President's Address

Registrar's Report

Committee Reports

Auditors' Report

Appointment of Auditors

Amendment to By-law

Draft Budget

RECESS — Coffee

Declaration of Officers

Elected

Open Forum — The
President will receive
questions from the
floor directed to Mem-
bers of Council or
Committee Chairmen.

6:00 p.m. Reception.

6:30 p.m. Dinner.

Guest Speaker:

Dr. A. J. Mooradian,

Managing Director,

Atomic Energy of Canada
Limited, Pinawa.

"Canada's Future —

Factories or Industries."

Ceremony of Turning

Over Gavel to Incoming

President

President's Report

As my term of office draws to a close, I want to review briefly the activities of the Association over the past months and to cast a wary look at some of the problems facing us in the future.

During the year (and the last month has been estimated), members of your Council and Committees have attended some 130 meetings which represents approximately two thousand man hours of time. In addition, preparation for meetings must of necessity consume many many additional man hours of research and study. I don't think it would be an exaggeration to say that the Association has benefited from some 3,000 to 4,000 free man hours of work contributed willingly by members of the Profession working on behalf of the Association. It is my fervent hope that those who have worked on Council and Committee will be rewarded in some tangible or intangible way that will give them the satisfaction of knowing they have served well.

I have stated before and I want to repeat, that I am sure every member of Council is well satisfied with the functioning of the new Admissions Review Board. The Board has reviewed some 5 applications and has rendered decisions which have been fair and equitable and accepted by everyone involved. At this juncture I would like to pay special tribute to the Chairman of the Registration Procedures Committee, Larry Blackman, to the members of the Admissions Review Board, and to its Chairman and Vice-Chairman, Messrs. Sommerville and Earp for the most excellent work they have performed in the interests of this Association. The creation of this Board, in my opinion, will remain one of the most important single accomplishments of the A.P.E.M. for some time to come.

Our new premises continue to function adequately, although the ever-increasing activities of the Association will no doubt tax its capacity in the not too distant future. The concept of joint premises has served us well, for on several occasions misunderstandings between Engineers and Architects have been aired and clarified before feelings were allowed to run too high.

It is in this realm of Engineering, Architecture and Planning jurisdictions that I

believe we will find one of our most trying and perplexing problems in the months ahead. The rapidly expanding world of technology and science is challenging the well established boundaries of these time-honoured professions, and we will find ourselves hard pressed to attain proper, fair and equitable solutions to the issues before us. A clear understanding and a good working knowledge of our Act and Code of Ethics can serve immeasurably in providing a guide to proper and correct conduct for those practising the profession from day to day.

It was, at least in part, to prepare the Association for these new challenges that the Legislative Committee was charged with the responsibility of reviewing our Act. Work by this Committee has resumed under the Chairmanship of Don Sampson. Our previous Chairman, Professor Magill, found it necessary for personal reasons to give up this assignment.

During the year our Staff was at times virtually inundated by the floods of enquiries from far and wide concerning registration as professional engineers in Manitoba. I am sure that you will all agree that the Association is duty-bound to answer these letters, and answer them they did. Many long hours of effort were expended for this purpose and there seems to be no end or simple solution to the problem. We are obliged, if for no other reason than common courtesy, to answer our mail.

Each year we become more involved in problems of career guidance, continuing education, legislation, safety, admission, registration and just about every committee function on our roster. Problems of regional and national concern, handled principally by the C.C.P.E. are demanding more and more of our time. The work load carried by Council members is very nearly at its maximum for persons fully employed elsewhere, and our permanent staff is without a doubt a very busy group. If we are going to continue such an active role, as I am sure you would all agree that we should, then our costs of doing so must of necessity increase. Besides the possibility of additional staff, we are faced with continual rising costs in every facet of our operations. It was suggested last year that 1968 would be a loss year, however we are now able to predict something close to a break-even position.

The upcoming year is again being budgeted at a small loss and whereas it is hoped that it too may not materialize, we cannot expect to hold the line much longer. It is therefore fair to predict that an increase in fees will become a necessity in the year 1970. The mechanics of increasing fees is a very awkward and cumbersome procedure and we are this year attempting to streamline it. You will be asked to vote on a by-law change which would authorize Council to set fees on a year to year basis within certain specified limits set by the Association. It is hoped that such a change, when accepted, would allow Council to move freely and with confidence in the execution of its duties on your behalf. I solicit your support of this amendment.

Your Registrar, Terry Algeo has indicated that he detects a new "Esprit de corps," a new sense of pride and purpose among our members. I too have seen evidence of it and have been on several occasions the proud recipient, as your President, of the public recognition of the A.P.E.M. Two occasions I remember most vividly were the presentation of my wife and me to Governor General Roland C. Mitchener and to Lieutenant Governor Richard S. Bowles at the opening of the Centennial Concert Hall and more recently my attendance as your representative at the official opening of the Greater Winnipeg Floodway. It is moments like these that make a person immensely proud to be a Professional Engineer.

On such occasions when one looks around those assembled, one becomes aware of how few engineers are present. There are many lawyers, many doctors,

many businessmen, but too few engineers.

One thing that will enhance our image is more involvement in community and public life. We must become involved, we must broaden our horizons and we must do it now. Our employers must be encouraged to grant leaves of absence so that we may contribute time to our favorite charities, or our favorite arts, or our favorite political party—and if we have no favorites then we must develop them—this too can be a form of continuing education!

You will note that the format of the Annual Meeting is only slightly changed, but changed it is. With your indulgence and with your help we hope to be able to provide you with a real insight into the activities of the Association. Council members and Committee Chairmen or their nominees will attempt to answer your questions, and it is hoped that a free exchange of views may ensue. Council and Committees will be able to better appreciate the wishes of the members and the members better able to appreciate the problems faced by Council.

In concluding I want to thank every member of Council for their loyal and unflinching support during the year; I want to thank each Committee member for his wonderful contribution of time and talent; and I want especially to pay tribute to Mr. T. W. Algeo, our Registrar, Mrs. M. L. Dunklee, our Executive Secretary, and Mrs. E. Calverley whose untiring efforts accounted for so much of the accomplishments of the current year.

Respectfully submitted,
F. M. FOWLER, P. Eng.

Secretary-Registrar's Report

If my optimistically calibrated E.S.P. is not misaligned, I believe I detect encouraging signs of "professional awareness" developing amongst the ranks of the engineers in Manitoba. There has always been a staunch band of professionally oriented engineers, but this is something new. In many conversations with groups or individual engineers, the positive is being accentuated. Much less frequently do engineers refer to "the Association" or "your Association," but now refer to "our Association" and "our Profession." The once common phrase, "What is Council (or the Association) going to do about

this?" is now being replaced by, "It's time we did something about this." Engineers realize that, as a group, they are indispensable to our modern economy, and feel that mixed emotion of smugness and gratitude when someone comments, "He is a Professional Engineer."

If some member doubts that "he has it made," ask the admirable chap who devotes every spare minute to preparing for A.P.E.M. exams, or the 1,600 overseas engineers or technicians who wish to come to our promised land, and have written to the Association in the last year to inquire

if they are eligible for registration. (95% of them are not eligible unless A.P.E.M. exams are undertaken and passed.)

Each engineer now registered and employed, in a sense enjoys a closed shop based solely on qualifications. If Council and the Board of Examiners were prepared to lower admission standards, we would not require a membership committee, although engineering salaries would decline and many new engineering structures would recline. The new Admissions Review Board is proving very effective and our members can rest assured that although registration standards have not changed, the system ensures a more accurate evaluation of an applicant and his qualifications. Definite progress has been made towards registration of those qualified but not yet members, and the strays are being continuously rounded up. I would like each A.P.E.M. member to consider the completion of this task as part of his professional responsibility.

Today, membership stands at a new high (1653) and our rate of growth has accelerated to the point where our expected deficit for 1968 has not materialized. This growth is a result of a variety of factors, perhaps the most unusual being "adverse" publicity in the Winnipeg newspapers. This publicity did emphasize the fact that registration cannot be obtained for the asking. Non-members and members alike have realized that if professional status was worth all the space devoted to it in the newspapers, it must be worth investigating, respecting, or revering, as the case may be.

Other growth factors in addition to the work of the Membership Committee and Staff, include the slow but stable economic growth of the province, which has brought engineers to Manitoba from other provinces. The Nelson River Project and the presence in Manitoba of enterprises such as the Atomic Energy of Canada, each utilizing the services of large numbers of engineers, has helped. Engineers are occupying more top management functions than previously and this influence is felt throughout the company. Many firms now require registration as a condition of employment. When each new member is registered, our Association sends a letter to his Company Manager or his Personnel Department, advising that Mr. X is eligible to practise engineering in the province. The letter also points out the obligations of the company with respect to the employment of engineers as outlined in Section 19 of the Act. This letter has been looked upon

very favorably to date by both employer and employee and is reaching people in management who were possibly not aware that an Engineering Profession Act even existed. This favorable and enlightened attitude of management is much appreciated and can only improve the status of the engineer and the company employing him.

The Registrar makes a point of calling on all new companies of magnitude in the province in order to acquaint management at the outset with the Engineering Profession Act, the obligations of the company and of the engineer, the use of the salary surveys, our employment and advisory service with respect to registration requirements, and qualifications of engineers, technologists and technicians. I am pleased to report that these services are being used daily. Phone calls vary from legal enquiries and complaints to nice ladies seeking engineering advice regarding domestic furnaces or basement flooding. Potentially serious problems involving ethics and the policing of the Act are handled with a minimum of publicity by Council and/or the Registrar and usually a phone call or letter corrects the situation. In complex cases of interpretation, advice of our solicitor is sought. The Association members have been extremely wise or fortunate, or both, in their choice of Councillors and the Executive Officers that emerge. We have enjoyed excellent leadership by individuals who are dedicated to the profession and theirs has been a heavy load to carry. Since the last annual meeting 180 individual agenda items have been considered and dealt with by your Council. Any prestige gained by an individual's voluntary service to the Association is paid for tenfold by the individual in hard work.

In contrast to the recently developing public image of the University student, it was an enlightening experience for the Association members to observe the Fourth Year Engineering Students who attended the dinner as guests of the Association on March 14, 1968. These young men were neither Hippies, Yippies or what-have-you. They appeared to be solid citizens ready to do a job, knowing what they had accomplished and where they are going. This successful event which provided direct exchange between the students and the practising engineers is to be repeated annually and perhaps the idea expanded. Work is also continuing through the medium of the Career Guidance and Counselling Committee to inform high school students of careers in engineering and to encourage enrolment in the Engineering

Faculties. Additional members can expect to be asked to attend high school career days as advisors or to work with science groups at the local collegiates.

The new premises shared with the M.A.A. are proving to be a genuine asset to the A.P.E.M. and to the M.A.A. The premises are also used by the M.S.C.E.T.T. Inc. and the staff of each Society or Association operates on a flexible basis assisting the other employees as necessary. Due to frequent Council and Committee meetings, including evening meetings, the two Board Rooms are highly utilized. Rather than enumerate all the meetings I would like to report that the record for stamina has been wrestled from the Admissions Review Board by the Board of Examiners, which terminated its September meeting at 12:10 a.m. and it was much later by the time the white-haired janitor had removed the ashes and paper. This one meeting produced four pages of typed minutes and had attached thirty pages of supporting appendices.

The M.S.C.E.T.T. Inc. is now firmly established with approximately 240 members and a resignation is a rare occurrence. Messrs. Blackman and Hood from Council also serve on the Board of Directors of M.S.C.E.T.T., and eight other Professional Engineers are directly associated with the certification of Technicians and Technologists. This year the Society is operating without subsidy from the A.P.E.M. other than the provision of office facilities. Society business now requires secretarial services amounting to over one day per week in addition to a percentage of the Registrar's time. Industry interest and response has been excellent, and one organization recognized the work of the Society in the form of a cash grant. It is hoped that other companies may follow suit in order that the Society may expand its activities, particularly in the field of educational opportunities.

We regret to record the deaths of the following members during the last year: A. H. Thompson, C. S. Landon, G. S. Sanders, D. M. Stephens, H. R. Sheppard and K. E. Parsons.

I wish to extend my thanks and appreciation to our Executive Secretary, Mrs. Dunklee and to our Stenographer, Mrs. Calverley. Both ladies work diligently for the Association under an ever-increasing work load.

It has been a pleasure and an education to work with the President and Council

and the many members who have actively supported the Association.

Respectfully submitted,
T. W. ALGEO, P. Eng.
Secretary-Treasurer and
Registrar.

♦ ♦ ♦

CONTINUING EDUCATION COMMITTEE

Committee members were: R. W. Berry, N. R. Blaine, C. Howard, A. G. Kuluk, R. R. Zimmerman, J. R. Spronken, P. Feschuk, Chairman.

The committee was formed to assist in a general assessment of the needs of Continuing Education for Engineers. The committee work, in co-operation with Extension Department, University of Manitoba, was centred around preparation for the March 4th, 1968 Smoker on Continuing Education. The theme of the smoker was the recommendation of the Stanley House Seminar on Continuing Education that the engineer should be removed from his working environment for a period of not less than two weeks each year to attend a course consisting of a series of lectures and laboratory periods paced to suit his particular capabilities. During the course of the smoker those attending were requested to complete a questionnaire. This questionnaire has been analysed and the results obtained from this survey are presently being used by the University of Manitoba and the Engineering Institute of Canada to plan courses for Practising Engineers for the forthcoming year.

The results of the questionnaire will be made known to all A.P.E.M. members as soon as the analysis is in a form suitable for publication.

The committee wishes at this time to thank the Extension Department, University of Manitoba, for its assistance during the past year.

Respectfully submitted,
P. FESCHUK, P. Eng.,
Chairman.

♦ ♦ ♦

FOOD — FOR THOUGHT

Next time you are standing at the check-out counter in the supermarket, consider that the girl who is ringing up your groceries and the boy who is packing them (if he works 24 hours a week) both pay over twice as much to their union in annual dues as you pay to your professional association.

**FIRST ANNUAL REPORT OF THE EMPLOYEE ENGINEERS COMMITTEE,
ASSOCIATION OF PROFESSIONAL ENGINEERS OF THE
PROVINCE OF MANITOBA, NOVEMBER 1968**

Preamble

At a meeting of Council on November 15, 1967, the Salary Survey Committee was amalgamated with the former temporary Employee Engineers Committee, and the Terms of Reference and the Scope of this new Employee Engineers Committee were defined. In brief, it was to be a continuing study of salaries and other needs of employee engineers, such as affect their professional status. The Committee was also given approval to examine steps being taken elsewhere, but particularly in Ontario, to broaden the scope of the Professional Association so as to cater more directly to the employee engineer.

Membership

The members who undertook this enlarged assignment were largely those who formerly constituted the separate committees, and are as follows: N. W. Diakiw, A. G. Mensforth, D. L. T. Oakes, R. C. Galbraith, A. K. Mattick, A. Gilliland, T. Shkordoff, G. Denson, E. Klassen, M. P. Musick, D. Davison*, D. S. G. Ross.

*Now transferred to British Columbia

Meetings

At an organization meeting on January 31, 1968, attended by President F. Fowler and Registrar T. Algeo, the two general purposes of the Committee were separated into two groups, thus:

- A. Salary Survey Study Group
F. G. Denson, D. L. T. Oakes, A. W. Gilliland, E. Klassen, and D. S. G. Ross. Mr. N. W. Diakiw who was originally assigned to this group later withdrew.
- B. "Professional Negotiations Act" Study Group
A. G. Mensforth, Group Chairman;
R. G. Galbraith, D. M. Davison, M. P. Musick, and T. Shkordoff.

Activity

The activity of study group "B" on "The Ontario Professional Negotiations Act" was centered upon material which was obtained by the Registrar from Mr. Blake H. Goodings, Director of Special Services for the A.P.E.O. This was reproduced and copies made available to each member of the two groups, both "A" and "B", by Mr. Algeo. The documents and other material from Ontario can be enumerated as follows:

- 1. Pamphlet on Collective Negotiations.
- 2. Guidelines for Minimum Level of Professional Engineering Employment.
- 3. Brief of the Steering Committee on Negotiation Rights for Professional Staffs.
- 4. Annual Reports of the Special Services Department and the Employment Practices Committee.
- 5. January, 1967 Report of the Employee Members Committee.

Several attempts to convene a meeting of the members of Group B proved abortive.

Study Group "A" received and had published in the **March, 1968** issue of "The Manitoba Professional Engineer" the results of the annual salary survey. This group also attempted to hold three meetings, but in each case the attendance was limited to two. It was therefore concluded that the publication of the survey data seemed to satisfy the needs of the members for information.

Summary of Survey Report

The tabulation published, as mentioned, provided the following comparisons, arranged as in previous reports:

- Median Annual Engineer's Salary for 1967\$12,000
- Increase over Median last year.... 5.26%
(Comparable increase one year ago 8.6%)
- Questionnaire returns from Manitoba — 1967 660
- Questionnaire returns from all Canada (except Quebec) 1967.. 16,471
- Registration in Manitoba at end of 1967 1,523
- Returns from Manitoba for past 5 years:

| Year | No. | % of Registration |
|------|-----|-------------------|
| 1963 | 448 | 33 |
| 1964 | 484 | 37 |
| 1965 | 472 | 35 |
| 1966 | 634 | 44.5 |
| 1967 | 660 | 43.1 |

Source of Data

As in previous years, the only data available specifically for Manitoba is that obtained through the courtesy of the Association in Ontario. It is, as has been reported previously, a cost-sharing operation delegated to Trans-Canada Data Clearing Limited, a Toronto-based com-

mercial operation. (Unpublished tabulations are available and may be reviewed upon request to the undersigned). "The Engineers' Joint Survey" which is mailed directly to members by the A.P.E.M. is responsibility oriented, and should be read in conjunction with the data published in March. However, it is important to note that the Joint Survey represents reports from three Provinces; viz., Alberta, British Columbia and Ontario, a total of 10,139 engineers.

Discussion

It is with some regret that the Committee must report very little activity, and thus small accomplishment. An effort should be made to ascertain necessary reasons for the apparent change in the Committee from the intense interest generated through initiatives provided by the original Employee Engineers Committee evident at the Association Smoker in the spring of 1967. There would certainly be no grounds for assuming that the problems central to the objectives of this Committee have been resolved. Rather there appears to be a reaction, perhaps an intuitive reluctance to proceed too swiftly along new and untried paths, on the one hand; and on the other, perhaps impatience or frustration due to the complex problems which are implied in the scope and terms of reference. These rather personal speculations sum up the efforts made from time to time during the year to spur greater activity.

In conclusion, it is a pleasant duty to acknowledge the unwavering support of the President, the Registrar, the Executive Secretary, and those members of the Committee who came out in response to calls, and gave of their time and energy.

Respectfully submitted,
D. S. G. ROSS, P. Eng.
Chairman.

◆ ◆ ◆

BULLETIN COMMITTEE

The usual four issues of the "Manitoba Professional Engineer" were published during the past year, with the March, June and October issues being devoted to Association and current affairs, and the November issue covering the Annual General Meeting and Committee reports.

The editorial policy of the past three years seems to be paying off at long last by eliciting comment from the membership on subjects and opinions which have appeared in the bulletin in the form of

editorials and articles designed for this purpose. It has been most gratifying for the committee members to have their labors bear such fruit, after so many previous attempts.

By and large, the comments which the committee has received concerning the publication have been very favorable and these comments indicate an increase in interest in the affairs of the Association.

Throughout the year the committee members have given generously of their time and efforts and it has been a very enjoyable experience working with this committee.

Respectfully submitted
W. R. McQUADE
Editor and Chairman.

◆ ◆ ◆

BOARD OF EXAMINERS' REPORT

The members of the Board of Examiners for the year 1968 were: C. R. Bouskill, W. C. Brisbin, G. H. Currie, H. N. Gawley, A. M. Lansdown, H. A. MacDiarmid, E. S. Magill, J. P. C. McMath, M. P. Musick, A. H. Pask, J. S. Shewchuk and G. W. Swift.

Five meetings were held since the 1967 annual meeting. The qualifications of thirty-four applicants have been reviewed at these meetings, as compared with twenty-one in 1967 and eleven in 1966. Examinations were set for ten applications in April, five examinations were written of which two received a passing mark. Examinations were also set for eight applications in October, the results of which were not known at the time this report was prepared. During the year one applicant successfully completed the academic requirements for registration by examination, and seven applicants whose qualifications were reviewed by the Board were found to have the necessary academic qualifications.

During the year, the syllabus of one course available at the Manitoba Institute of Technology was examined in detail and an appraisal made of the APEM examinations which will be required of graduates of this M.I.T. course who wish to qualify as Professional Engineers. The Board also reviewed the syllabi of courses given at three foreign Universities and the Board recommended that two of these be added to the APEM list of Accredited courses. Recommendations of the CCPE Accreditation Board regarding revisions to the Uni-

form Syllabus of Examinations were reviewed and either approved or comments prepared for the Professional Examinations common to all branches and also for each of the following branches:

Agricultural, Aeronautical, Chemical, Civil, Electrical, Geological, Mechanical and Mining.

During the year a standard Appraisal Form was developed and has been used to assist in assessing the qualifications of applicants

We wish to gratefully acknowledge the assistance given to the Board throughout the year by a number of individuals:

Our Registrar — T. W. Algeo, for acting as secretary at the meetings of the Board;

Mrs. D. L. Dunklee and Mrs. Calverley, for the detailed work of recording and following up the particulars of applications, etc.;

Department Heads at U of M — for their assistance in arranging for examinations to be set and marked; and

U of M Faculty Members and other Registered Engineers — for their assistance in setting and marking examinations as well as reading and marking theses.

I also wish to include my personal thanks, not only to the above mentioned individuals, but also to the many faithful members of the Board who graciously accepted tasks assigned by the Chairman.

Respectfully submitted,
C. R. BOUSKILL, P. Eng.
Chairman.

✦ ✦ ✦

CONSULTING ENGINEERS COMMITTEE

After a period of inactivity, the Committee was reorganized in March, 1968. Members of the new committee are Messrs. L. W. Blackman, L. S. Earp, B. L. Fisher, W. H. Finnbogason, J. L. Greer, G. E. McLure, W. H. Mitchell, A. O. Dyregrov, Secretary; A. W. Greenberg, vice-chairman and D. R. Grimes, chairman. The committee is composed of a minimum of nine members, six being in private practice and three representing organizations which utilize consulting engineering services.

The committee prepared terms of refer-

ence for council's approval. The responsibilities of the committee are as follows:

1. The review of the "Schedule of Minimum Fees to be charged for Consulting Professional Engineering Services" and the Standard Form of Agreement.
2. The review of the "Schedule of Minimum Fees to be charged for Consulting Engineering Services to Architects."
3. The review of the general practice of consulting engineering services in Manitoba, and to refer to Council any items requiring the consideration of Council. This will deal with such items as general policing methods and general performance standards.
4. Matters referred to the Committee by Council.

A number of items referred to the Committee by Council were considered and the Committee's comments transmitted to Council.

Sub-committees were established to begin the review of fee schedules for services to Architects and to other clients. The sub-committee reviewing the schedule for Consulting Professional Engineering Services requested comments and suggestions from the Association through the Bulletin and by letter to many of the Consulting Firms. Work on the review of the fee schedule is proceeding.

Respectfully submitted
D. R. GRIMES, P. Eng.
Chairman.

✦ ✦ ✦

THE COMMITTEE ON SAFETY IN ENGINEERING PRACTICE

The Committee has been established as three sub-committee's, each with its own Chairman and each dealing with a project of current interest.

These are:

THE INLAND CEMENT BUILDING FAILURE — Sub-Committee — Chaired by Mr. Ron H. Banks, P. Eng.

THE FAILURE OF MASONRY WALLS DURING CONSTRUCTION — Chaired by Mr. Brian E. Akins, P. Eng.

REVIEW OF REGULATIONS AND PRACTICES CONCERNING CONSTRUCTION FALSEWORK — Chaired by Mr. Cy I. Biegler, P. Eng.

Investigations into the Inland Cement

Failure were held up due to the litigation proceedings involved, however, in mid-1968 after consultations with the Association legal advisor, a meeting was held with Inland Cement personnel involved and through their co-operation work is now proceeding on this project.

A total of 12 failures of masonry walls during construction have been investigated and discussions held with people of the Manitoba Masonry Council and a number of Winnipeg contractors in this field. A series of recommendations are now being formulated for presentation to Association Council.

Letters containing suggested approaches to the problem of insuring adequate construction falsework have been received from two prominent local engineers and these together with the changes recently made in the Provincial Labour Laws in Quebec and Ontario are being reviewed.

Contact has been made with the Safety Committee established by the A.P.E.O. and useful procedural and administrative information has been obtained from this group.

Respectfully submitted
W. N. ISBERG, P. Eng.
Chairman.



CAREER GUIDANCE AND COUNSELLING COMMITTEE

This Committee formed last year to carry out the functions indicated by its title, met quite regularly through the winter and spring this year although meetings during the summer fell off considerably. Based on the information obtained during 1967, work has been started on some of the aspects outlined in last year's annual report although tangible results of the committee's efforts leave much to be desired.

One of the most important items discussed during the current season was that of the Junior Engineering Technical Society (JETS), a report on which has been submitted to Council for their consideration as soon as possible. Some of the members are already familiar with this group and if opportunity presents itself at the annual meeting, the Chairman will talk briefly on the subject at that time. However, various members of the Committee have attended career days at a number of collegiates during the past year but the value of these has yet to be proven so far as some members are concerned. Any of the membership who have been associated with these

endeavours in the past will probably be well aware that on a career day this is often the students' first contact with Engineering as a profession and he is usually ill equipped to take advantage of the information presented, and rarely has much idea of what the subject entails. Moves by the Guidance and Counselling Branch of the Provincial Department of Education to attack this problem in lower grades, possibly starting with Grade 8 could lead to more tangible results by the time the student is called on to make a final decision prior to entering University.

It is with considerable interest that an item in the latest issue of the Canadian Professional Engineer relating to formation of a national joint committee on student counselling having been formed was noted. It is to be hoped that C.C.P.E. together with various provincial branches will be able to contribute greatly to the overall picture of student counselling, and that our province which lags behind many of the other provincial associations may in the next two or three years be able to contribute something of note.

The Committee had at one time hoped to have its first audio-visual presentation on Guidance and Counselling ready for the annual meeting but this has not proved to be the case. However, if this Association is going to accept its responsibility in the field of guidance and counselling, we will have to devote more funds to this problem than has been the case in the past. While useful results are not tied directly to capital outlay, the two are interdependent to quite a degree.

The other point which has become noticeable this year is that a successful guidance and counselling program can only be achieved by commitment of more than the dedicated few serving on committees and to this end attempts will be made in the coming year to involve the membership to a much greater degree than has been the case in the past. It is the committee's hope that the membership will respond to the call, since if this is not the case, we will not even be able to maintain our present position.

In closing, I wish to thank all those who have assisted in the work this year, and we look forward to a year in 1969 with more tangible results to put before the membership.

Respectfully submitted
A. F. ESHMADE, P. Eng.
Chairman.

MEMBERSHIP COMMITTEE

Committee Members for 1968 were: V. Becker, R. Madder, C. Howard, L. H. Tough, R. W. Tipper, A. B. Buchanan, G. A. Smith, W. Naumko, W. Mann, S. J. Kustra, Secretary; R. M. Stefanick, Vice-Chairman and N. P. Feschuk, Chairman.

In an effort to keep in personal contact with as many prospective members and the membership at large as possible, the committee has continued the practise of large committee representation.

The committee activities in the last year were concentrated in three areas: membership, student liaison, the roster and smokers.

Membership activities were mainly limited to personal contact between committee members and prospective members although the committee did conduct a membership campaign for the purpose of encouraging enrollment of 1968 engineering graduates as Engineers-In-Training.

Student liaison was carried out through the Student-Liaison Sub-Committee consisting of A. B. Buchanan, Chairman and R. Madder. A meeting was arranged between the sub-committee and the University of Manitoba Engineering Student Council to discuss the Association. The meeting proved to be very informative for both the students and the committee members. It is recommended that this type of meeting with the student council be repeated in the coming year. The Student Liaison Sub-Committee also arranged a dinner meeting at which the Association played host to 124 out of a possible 160 members of the 1968 University of Manitoba Engineering Graduating Class. Twenty association members were on hand to represent the Association. Following the dinner which was held at the Montcalm Motor Hotel on March 4th, 1968, a question period was held during which the students put questions on the Association to the attending association members. From the numerous and direct questions put forward by the students, it is apparent that the student body does have a keen interest in the Association. It is the committee's opinion that the meeting was very effective in acquainting the students with the Association. It is therefore recommended that this type of student's night become an annual event.

Work on the roster was carried out under the direction of R. W. Tipper with assistance from S. J. Kustra and C. Howard. The

committee has recommended to Council that advertising be carried in the roster. With the concurrence of council on the above recommendation, this sub-committee has been active soliciting advertising.

Two smokers were held during 1968. The first smoker, attended by 116 members, was held on March 20th, 1968 at the Niakawa Motor Hotel, with the topic being "Continued Education." This smoker was arranged in conjunction with the A.P.E.M. Continuing Education Committee and the Extension Department, University of Manitoba. The second smoker, attended by 40 members, was held on April 24th, 1968 at the Niakawa Motor Hotel, following a special meeting of the Association held earlier on in the evening. The smoker took on the form of an informal discussion on association affairs. Arrangements for the smokers were handled by a Smoker Sub-Committee consisting of L. H. Tough, Chairman, S. Kustra and P. Feschuk.

The Committee is pleased to report that membership growth has exceeded that estimated at the beginning of the year. Registration figures for the current fiscal year, with those for 1967 in brackets, are:

- (113) Members
- (81) Engineers-In-Training
- (0) Engineering Pupils.

Respectfully submitted,
P. FESCHUK, P. Eng.
Chairman.

♦ ♦ ♦

ADMISSIONS REVIEW BOARD

Council, late in 1967, adopted a report from the Registration Procedures Committee and brought into effect better procedures for reviewing the qualifications of applicants for registration. Under these new procedures, candidates who do not have a degree known to be acceptable to this Association are given the opportunity of appearing before the Admissions Review Board to show that they have had training or practical experience which may be equivalent to some of our academic requirements. Candidates may be referred to the Board by the Registrar, by the Academic Review Board, or by Council.

The existence of the Board enables the Academic Review Board to examine academic qualifications only, leaving the assessment of any experience or extramural training to the Review committee. A close liaison is maintained with both the Academic Review Board and Council by the very nature of the complement of

the committee. In practice, the Board operates as a committee consisting of a Chairman and Vice-Chairman (both members of Council), the Registrar (non-voting), a representative from the Academic Review Board together with two or more practising engineers skilled in the discipline in which the applicant wishes to practice.

Since the Board started this year, five candidates have been interviewed. In two of these cases, the recommendations of the Academic Review Board were concurred in, with a full set of examinations being required. In two other cases, the recommendation of the Board was that the candidates be exempted from writing certain preliminary and intermediate examinations, but that final examinations as asked for by the Academic Review Board, be required. In the other case, one 4-hour interview has been conducted but a further interview will be required before a recommendation can be made to Council. Council has accepted the recommendations of the Board in each case so far.

I wish to express my thanks to Vice-Chairman Lou Earp and to those members of the Association who have served so ably on the various interview boards. It is a pleasure to report the keen interest and ready acceptance of every member asked to help in the work of this new and important committee.

Respectfully submitted,
R. C. SOMMERVILLE, P. Eng.
Chairman.

SOCIAL COMMITTEE

This Committee is responsible for the organization of social functions to bring members and their wives together. This year the Committee made arrangements for a formal dance in March and also makes hotel arrangements for the annual meeting.

The formal dance was held in the seventh floor ballrooms at the Fort Garry Hotel, on Friday, March 1st and proved very successful. This was the third consecutive year that our formal dance has been arranged in the form of a "Wine and Roses Ball" and all tickets were sold. As this function is well received each year, it will be repeated again in this format on February 7th, 1969.

In organizing social functions we have attempted to maintain a fine quality of food and service and hold prices at a minimum.

The "Fall Frolic" dance was discontinued because of lack of attendance in previous years.

The Committee has held several meetings during the year, and I would like to thank all of the following Committee members for their enthusiasm and support:

R. W. Hutchinson, Vice-Chairman; B. P. Menlove, B. Y. Lynn, R. Isaak, P. T. Keenie, G. A. Morris, E. G. Dillistone, D. R. Grimes, D. Thompson, and G. R. Kendall.

A sincere thanks also to Mrs. M. L. Dunklee, Executive Secretary, for her assistance in making the social functions a success.

Respectfully submitted,
D. L. STENBERG, P. Eng.
Chairman.

♦ ♦ ♦

AWARDS COMMITTEE

COMMITTEE MEMBERS:

R. T. Harland, Chairman
T. E. Weber
R. E. Chant
S. J. Borgford
R. C. Sommerville

The Awards Committee report for 1968 is as follows:

1. Section 31 of the Bylaws of the Association defines the terms under which Honorary Life Memberships in the Association may be granted, as follows: Life Membership *Honoris Causa* may be granted by unanimous decision of Council to a member who has, in the opinion of Council, rendered meritorious service to the Association and who has (a) been continuously a member for not less than 35 years, and (b) attained the age of 70. Under these terms of reference, the Committee feels that there are at present no members of the Association who are eligible for appointment to Honorary Life Membership.
2. The Committee has received no recommendation either from its own membership or the general membership of the Association for a recipient for the Merit Award. We therefore have no recommendation to make to Council in this respect.
3. It was further suggested that Council seriously consider changing the terms of reference for both the Honorary Life Membership and the Merit Award. It is suggested that Bylaw 31 be

changed to read: "Life Membership Honoris Causa may be granted by unanimous decision of Council to a member who has, in the opinion of Council, rendered meritorious service to the Association, who is no longer practicing on a full-time basis as a Professional Engineer, and who has preferably been continuously a member for not less than 35 years and has attained the age of 65." The reason for suggesting these changes is that the Life Membership Award has recently become more of an award for longevity than for meritorious service to the Association. In the case of the Merit Award the change in the terms of reference affects term of reference No. 2 which states: "An award shall be made on an individual basis rather than on a group basis." The Committee recognizes that at the present time very few outstanding achievements in engineering are made by the individual. In most cases it is by an individual leading a task force or group of other engineers, all of whom contribute to the achievement. In such a case, making the award to the group chief does not seem entirely justifiable, and we suggest that the term of reference might be changed to allow awards to be made to each member of the group, provided such group is not too large.

In presenting this report I would like to thank the other members of the Committee and the able staff of the Association for their co-operation throughout the year.

Respectfully submitted
R. T. HARLAND, Chairman
Awards Committee, A.P.E.M.



TECHNICAL JOURNAL FILE COMMITTEE

Due to the concern of various members of the Association of Professional Engineers of Manitoba over the disposition of back issues and accumulated files of technical journals, a committee was struck to investigate and recommend suitable action. The Committee recommended that the accumulated journals be assigned to the University Library via the Engineering Library Committee of the University of Manitoba, who in turn may allot duplicate

copies to other Universities as required.

It is further recommended that other professional, industrial and learned societies consider like action in disposing of back, unwanted journals.

Companies and associations wishing to broaden the scope of technical journals available to them could do so even on a fixed budget if they would consult with the Engineering Library Committee to discover which journals are now catalogued and available, rather than duplicate these in their own libraries. Committee members: G. E. Burns, E. Bridges, S. J. Kustra.

Respectfully submitted
E. A. SPEERS, P. Eng.
Chairman.



POLITICIANS! HANDS OFF PROFESSIONAL STANDARDS

Once again there appears to be some pressure by politicians on various professional associations to lower their standards to allow into the Association political refugees whose qualifications do not come up to present standards. While our sympathies are with individuals fleeing from repression, we do not feel that exceptions should be made for any individual or any group.

The purpose of the Association is to protect the public by insuring that any one defined as a professional is qualified to a certain standard. There can be no half way point. Either a person is an engineer, or he is not.

It is, of course, the duty of politicians to lighten the burden on new immigrants as much as possible, but we respectfully submit that politicians are in no position to judge who is qualified and who is not.

There is nothing to be gained by lowering standards in professional associations so that immigrants may gain entrance. There are jobs open as technicians which these people could fill until such time as they are able to write examinations required to qualify them as professionals. If the federal government wishes to subsidize new immigrants, we might suggest that they pay salaries to them while they are getting the additional educational qualifications required. — R.M.S.

BY-LAW AMENDMENT

November, 1968

PRESENT BY-LAW

32. FEES

2. **Annual Fee**—Each person who is registered under "The Engineering Profession Act" shall pay to the Secretary of this Association in advance on the first day of January in each year a fee of \$25.00; provided that any person so registered who fails to pay the said fee before March 1 in any year shall pay an additional fee of \$3.00 as a penalty; and further provided that if any member so registered fails to pay the said fee prior to July 1 in any year, the Registrar shall remove his name from the roll of the Professional Engineers of the Province of Manitoba.

PROPOSED AMENDMENT

(Shown in Bold Type)

32. FEES

2. **Annual Fee**—Each person who is registered under "The Engineering Profession Act" shall pay to the Secretary in advance on the first day of January in each year **the fee (not to exceed \$33.00), the actual fee to be established by Council, dictated by the financial needs of the Association;** provided that any person so registered who fails to pay the **established** fee before March 1 in any year shall pay an additional fee of \$3.00 as a penalty; and further provided that if any member so registered fails to pay the **established** fee prior to July 1 in any year, the Registrar shall remove his name from the roll of Professional Engineers of the Province of Manitoba.

COUNCIL DISPOSETH, BUT DOES NOT PROPOSETH

Council meeting of September 18, 1968, in the preamble chit-chat it was learned that our Association President had been invited to the October 11th opening of the Greater Winnipeg Floodway. In May Mr. and Mrs. Fowler were invited to meet the Governor General when he visited Winnipeg. Engineers are moving up the social ladder.

In the formal meeting, approval was given for issuances of two licences and admission of four engineers in training, three transfers, nine registrations and one reinstatement.

A budget committee report was discussed and a budget approved for submission to the general meeting.

An informal complaint was received from the Architects relating to a Consulting Engineer allegedly doing architectural work. The Consulting Engineer concerned replied clearly stating his company's position. It is hoped that this airing of a potential source of disagreement will allay the Architects' misgivings and that the architects' membership will be advised of the engineer's reply.

WATCH FOR A SEMINAR ENTITLED "CONTRACT LAW FOR ENGINEERS."

—J.W.J.L.

COUNCIL MEETING

Council meeting of October 18 added eight registrations, two reinstatements and six transfers to our roster.

Minutes of the Board of Examiners and Admission Review Board were ratified. The latter board has recently conducted a seven hour interview with a candidate so there is no doubt that their review is both thorough and penetrating.

The format of the annual general meeting was agreed on. Committee reports are to be published in the bulletin and there is to be an open forum so there is opportunity for the membership to raise interesting topics for discussion.

Manitoba is determined to play a positive role at the next CCPE meeting and to this end there will be a special council meeting on November 8, 1968. There is a move afoot to reorganize CCPE to establish a stronger central organization. Our representative may push for getting more mileage out of the present organization.

When a newcomer from another province registers in Manitoba the situation may arise that because he pays dues in two provinces for the same year then

CCPE will get double dues from him. Also if an engineer is registered in two provinces CCPE gets an assessment from both provinces. After extensive discussion council decided not to rock the boat.

Next item on the agenda was to be a report from Russ Hood on Community Planning. It was deferred for lack of time. This must be the fifth month for which this report has been put off. Surely time must be made for council to ponder the direction in which we are to be lead. Council is doing a competent enough job in attending to the running of the association but though individually brilliant they jointly lack a sparkle of progressive and original thinking.

The registrar reported that Musker Engineering Institute is now registered as a Company. Legal advice is that this use of the word engineering is hard to fight and win. At least now we know what MEIC stands for.

JOHN W. J. LEWIS, P. Eng. MEIC



NEW MEMBERS

We welcome the following new members to the fold:

| | |
|------------------------|------------------|
| J. M. Aune | H. S. Williams |
| T. E. Bates | C. K. M. Wong |
| A. W. Bischoff | D. B. Cameron |
| R. P. Bower | W. Dobush |
| F. P. Buchanan | B. R. Hinton |
| J. A. Cherry | J. J. Kilroy |
| G. S. Cooper | W. S. Krywy |
| G. W. Duncan | E. G. Kurtz |
| L. J. G. Frankenberger | J. E. Wiens |
| J. D. Gill | C. M. Wright |
| G. N. Goosen | W. M. Shaw |
| R. T. Seepish | W. S. Watson |
| M. K. Waddell | L. R. Young |
| E. T. Wagner | J. W. Hammersley |
| R. G. Skinner | P. K. Horseman |
| B. J. Wopnford | M. D. Patterson |
| W. K. Clawson | J. A. S. Westdal |
| I. S. Comfort | E. M. Sloane |
| J. D. Hunt | S. Sur |
| C. H. A. Killoran | J. W. Richman |
| A. L. McKechnie | K. J. M. Reddy |
| B. K. McKnight | O. O. Mogensen |
| C. A. Buchholz | S. W. Granger |
| R. J. Gotts | J. A. Dubuc |
| L. W. Grover | M. J. Beckner |
| C. K. Harman | J. R. Fowler |
| K. H. Mattiott | F. T. McDonnell |
| P. J. Nelson | K. H. Porter |
| R. J. Rennie | R. R. Smith |

LEGAL OPINION

The Association recently received an inquiry from one of its members who practises as a Consulting Engineer. As similar enquiries are regularly received, permission was obtained to print both the questions and the answers for the general information of all members. The answers were prepared by our Solicitor after considerable research and consultation.

QUESTIONS: Would you please advise if:

1. It is legal for professional engineers, registered in this province, to offer or provide professional services as members of a limited company; or
2. is it legal for a limited company whose shareholders and associates to, at all material times hold itself out as providing professional engineering services?

Would you kindly submit a clear decisive answer as to the legality of the above.

ANSWERS: Further to your letter of May 14th, 1968, and our subsequent telephone conversation in connection with your request for an opinion as to whether it is legal for professional engineers to provide professional service as members of a limited company — the reply to both questions is as follows:

The relevant sections of the Act, being sections 11, 12 and 26, contemplate that only a natural person and not a corporation or artificial person can legally engage in the practice of professional engineering.

There would be no legal objection to engineers forming partnerships, corporations or associations between or among themselves, **provided they do not utilize the partnership corporation or association as a vehicle for engaging in the practice of professional engineering.** The answers to the specific questions then are as follows:

1. Yes, provided that it is the engineers and not the limited company which is actually providing the services.
2. No.

We regret the delay in giving you our opinion, but, as you realize, the entire question of whether professionals should be allowed to incorporate is in a state of flux and the problem is fraught with many difficulties.



Chairman of the Bulletin Committee, W. R. McQuade, is shown, presenting a bouquet of flowers to Mrs. S. J. Armstrong, the winner of the Ideal Engineer's Wife Contest.

IDEAL WIFE SELECTED

The Bulletin Committee scrutinized and otherwise measured and scanned all the entries in the Ideal Wife Contest. It was hard to find a winner. Some of those nominated were disqualified on technicalities, such as the nomination that came from the member who sent it in while on his honeymoon. The Committee felt he hadn't had quite enough time to properly assess the situation. (Aside to V.L.D., we will split infinitives if we wish.) Others lost out because they just weren't "perfect." For instance, Lady Bird Fowler (who was not nominated by her own husband) refuses to get up at 6:00 a.m. every day to engage in Yoga exercises with the President. Several wives refuse to join their husbands at dawn in a cold wet duck blind. Some object to their husbands holding noon-hour business conferences where go-go girls perform. Some wives don't care too much about doing all the baby sitting, gardening, house painting and repairing, while their husbands golf 40 hours every week. It was indeed a tough chore to find the perfect wife but she did emerge.

Mrs. Armstrong is charming, co-opera-

tive and devoted to her husband. She never nags or raises her voice. She has a fine sense of humour and is a gracious hostess. Her husband is King in their home. As her husband proudly said, "Who could ask for more." And as she so modestly commented, "If he were not such an ideal husband, I would not be such a model wife."

We offer our congratulations to this lovely lady and to her lucky husband. Perhaps we ought to point out that Mr. Armstrong does not get up at 6:00 a.m. to do Yoga exercises, he does not hunt or golf.



COUNCIL ATTENDANCE

There have been 13 Council meetings held to date this year. The number of meetings attended by each member of Council is shown:

F. M. Fowler, 12; L. W. Blackman, 12; J. D. Adam, 11; L. S. Earp, 11; R. C. Somerville, 11; P. Shane, 10; A. Baracos, 9; R. Hood, 9; S. Barkwell, 5.

LETTER TO THE EDITOR

Dear Editor,

From Ottawa and Winnipeg comes the cry "go North Young Man." Many engineers take up the challenge and live in Northern Manitoba yet none of them sit on our Council. This Association should assign one or more council seats for Northern residents. Even if a northern councillor could attend only two meetings a year it would bring a glimpse of northern lights to illuminate our city bound horizons.

Yours truly,
JOHN W. J. LEWIS

♦ ♦ ♦

PHILOSOPHICALLY YOURS

A great nose indicates a great man — genial, courteous, intellectual, virile, courageous. — Edmond Rostand (Cyrano de Bergerac).

As soon as public service ceases to be the chief business of the citizens, and they would rather serve with their money than with their persons, the state is not far from its fall. — Rousseau.

Know then thyself, presume not God to scan; The proper study of mankind is man. — Alexander Pope.

Believing as I do that man in the distant future will be a far more perfect creature than he now is, it is an intolerable thought that he and all other sentient beings are doomed to complete annihilation after such long-continued slow progress. To those who fully admit the immortality of the human soul, the destruction of our world will not appear so dreadful. — Charles Darwin.

Speech is a mirror of the soul; as a man specks so is he. — Pulilius Syrus.

Most powerful is he who has himself in his own power. — Seneca.

Let not thy thoughts be those of him who wrongs thee, nor such as he would have thee think, but look on things as they are in reality. — Marcus Aurelius.

If I can stop one heart from breaking,
I shall not live in vain:
If I can ease one life the aching,
Or cool one pain,

Or help one fainting robin
Unto his nest again,
I shall not live in vain.
— Emily Dickinson.

Quick sensitiveness is inseparable from a ready understanding. — Joseph Addison.

Those who have the largest hearts have the soundest understandings; and he is the truest philosopher who can forget himself.
— William Hazlitt.

Peace is happiness digesting. — Victor Hugo.

It is far easier to be wise for others than to be so for oneself.
— Du de la Rochefoucauld.

Happiness is not the end of life; character is. — Henry Ward Beecher.

A loving heart is the truest wisdom.
— Charles Dickens.

The greater man the greater courtesy.
— Tennyson.

DOES HISTORY REPEAT ITSELF?

A great people, along with their glorious culture, perished — not all at once, not noticeably, but over many years — slowly, methodically.

There were many reasons for the fall of this great civilization. These are the major ones:

- Moral decay among citizens.
- Stifling taxes.
- Too many government employees.
- Constant warfare and preparations for war.
- Depreciation in money and debasement of coins.
- Erosion, deforestation, and water shortage.
- Abandonment of farms for life in the city.
- Too many handouts that weakened the poor; too many luxuries that weakened the rich.
- Few children among the well-to-do and educated; many children among the poor and ignorant.
- Constant drain of precious metals.
- Rising costs of public works.
- Too much leisure time spent on games and amusements.
- A yearly rise in crime rates.
- A decrease in patriotism.

For these reasons, historians point out, the Roman Empire declined and finally fell in the fifth century A.D. Does history really have to repeat itself?

— Community Planning Review

CONTINUING EDUCATION FOR ENGINEERS

May, 1969 — University of Manitoba

Engineers and Technical Associates are invited to participate in a Technical Development Program. Details of courses to be offered — duration — accommodation — etc. will be mailed when arrangements are complete.

The Technical Development Program is being sponsored by Region II of the E.I.C. and the Extension Division of the University of Manitoba.

— PLAN NOW TO ATTEND IN 1969 —



FLIN FLON NEWS

By M. N. Collison, P. Eng.

I will have to apologize for being late and brief. I just returned to work Thursday, p.m. after a five day bout with the flu and there was your reminder sitting on my desk waiting for me to start writing.

D. J. Robertson, P. Eng. is away to Europe for a few days on business. Just about two weeks ago he and I were out to Regina and Rocanville to have a look at construction on Hudson Bay's Potash Mine which is showing real progress.

G. H. Kent, P. Eng. and Mrs. Kent left a week ago for a three week tour of Spain, Portugal and North Africa. George and Kay talked hard and fast to get Ethel and me to go with them and the thoughts of sunny Spain (so the literature says) were very difficult to resist. I will have a detailed report on their trip for the next issue.

Municipal elections were held in Flin Flon on October 22nd and at that time H. L. Easton, P. Eng. was defeated in his bid for re-election. Harry has served many years on town council and will now be able to devote full time to VE4NW without interference from an irate taxpayer. There are some compensations for losing.



E.I.C. PRESIDENT'S VISIT . . . A MISSION AND A CHALLENGE

The Engineering Institute of Canada has long considered itself the only national body with the potential in strength and authority to speak for the profession nationally. Its hopes have continually been frustrated by apathy among the profes-

sional rank and file, by conflict with the provincial associations and other rival organizations, and by lack of dynamism within its own organization. The Institute is currently pursuing an aggressive membership policy, particularly among students, and is about to launch an all out national drive for members. It currently lists a membership of 12,000 out of a possible 55,000 registered professional engineers. Despite its relative weakness, the Institute maintains a full program of lectures and social events which are, at least in this region, generally well attended.

Against this background, some sixty E.I.C. members greeted their recently appointed national President, Brigadier General Jean Paul Carriere, at a dinner meeting at the International Inn on October 31. The President is currently on the final leg of a swing across the country, familiarizing himself with local and regional organizations and sounding out the members on current and future policy.

Brigadier General Carriere brings to his new post considerable talent and accomplishment. His distinguished career has included service in military and public life as well as impressive accomplishment in a variety of posts in private industry. His service to his profession through provincial, national and international organizations has been equally impressive, and his association with the E.I.C. dates back to 1939. His bilingual background, his easy manner, his off-hand wit and his broad range of experience well qualify him for his new national role.

The President told the dinner gathering that he senses, in his contacts with engineers across the country, an urgent desire for unity through a strong national body. He cited several accomplishments of the E.I.C. since its inception in 1887: influence in the formation of the National Research Council, The Canadian Standards Association and in the establishment of self-governing provincial associations empowered through legislation to grant professional licences. He emphasized the continuing value of the E.I.C. as a learned organization for the exchange of ideas and information nationally. His contacts with the provincial associations and other national organizations regarding the need for unity have been equally encouraging, he told the members, and although several areas of responsibility still remain to be defined, he is confident that the "kitchen work" necessary can easily be accomplished by sincere interest and effort on

all sides. With the betterment of the profession as the common goal, Brigadier General Carriere is confident these minor problems can be solved.

He sees the need for much more effort in the research and development field if Canada is going to keep up, much less contribute, to the technical development of the world. Greater reliance on engineers by government in areas of policy involving technical problems would enhance the prestige and power of the profession, as well as assure a sound basis for the development of the country, he said. Brigadier General Carriere is convinced that a united profession can more effectively contribute in these areas. The views of the profession are not now known nor can they be known, either nationally or internationally, since no body can claim to represent its interests. The result is not only an embarrassing situation for the profession, stated the President, but also a neglect of a great deal of potential power and strength which the country and the profession desperately need.

Brigadier General Carriere feels that we in the profession have often approached our problems of unity like "shnooks," and that we must pursue a logical approach if we are to succeed. He acknowledged the vastness and variety of the country and the special regional differences which must be encompassed within a strong national body, but he expressed confidence that these problems of detail could be worked out and he pledged to personally work as hard and as long as necessary to accomplish these objectives. He invited professional engineers, members and non-members, to join him in this effort.

Brigadier General Carriere stated that already great progress has been made and that a meeting in Ottawa on November 13 should clarify the positions of the interested parties to move closer to an accommodation.

Mr. Mickey Levine of the Manitoba Travel and Convention Association presented Brigadier General Carriere with an "Honorary Warden of the Plains" scroll which was accepted as an "unexpected but welcome honor."

Following a question and answer period in which the President reiterated his belief in the worth of unity and the necessity of achieving it, the meeting terminated.

President Jean Paul Carriere displayed logic, determination, good humor and

charm. He has given us very compelling reasons for the existence of a strong national body of professional engineers and appears to possess that combination of ability and drive required to move the profession in that direction. — A.O.P.

♦ ♦ ♦

CRAIK, TEMPLETON, CAIN TAKE ON EDUCATION

With the appointment of D. W. Craik, P. Eng. as Minister of Education in the Manitoba Government, and the appointment of C. H. Templeton, P. Eng., and P. A. Cain, P. Eng., to the Board of Governors of the University of Manitoba, professional engineers are emerging with a voice in the affairs of education in this province.

For too long now the engineering profession has spoken with a very small voice in public affairs. Engineers have not taken their rightful place beside the members of the other professions in service to the community. Whether from reticence or selfishness, engineers have kept their light under a bushel and have not offered their talents to the public.

Professional engineers receive their education and subsequent opportunities largely at the expense of the general public. It is only fitting that once their talents have been developed that they should be shared with the public.

It is very gratifying to find members of this profession of the calibre of the Honorable D. W. Craik, C. H. Templeton of Winnipeg and P. A. Cain of Lynn Lake, offering their talents to the citizens of Manitoba. It is to be hoped that many more engineers will follow their lead.

♦ ♦ ♦

CORRECTION

The final figures of the Membership Committee Report on page 11 should read:

| | 1967 | 1968 |
|-----------------------|------|------|
| Members | 117 | 113 |
| Engineers-In-Training | 60 | 81 |
| Engineering Pupils | 0 | 0 |

Draft Budget for Discussion

REVENUE

| | |
|--|--------------------|
| Annual Dues — including Penalties, Transfers, Reinstatements, Engineers in Training | \$42,780.00 |
| Licences | 500.00 |
| Registration Fees | 5,850.00 |
| Exam. Fees and Misc. Income | 500.00 |
| Investment Income | 1,600.00 |
| | <u>\$51,230.00</u> |

EXPENDITURE

| | |
|--|--------------------|
| Salaries | \$25,345.00 |
| Office Rent | 3,084.00 |
| Janitorial Service | 290.00 |
| Printing Supplies, Equipment | 7,500.00 |
| Telephone and Light | 550.00 |
| Postage | 2,400.00 |
| Canadian Council Levy | 3,800.00 |
| Council and Committee Meeting Expense | 900.00 |
| Annual Meeting (Incl. Bulletin) | 1,200.00 |
| Audit Fee | 350.00 |
| Legal Fees | 800.00 |
| Certificates and Seals | 1,300.00 |
| Publication | 2,500.00 |
| Roster | 200.00 |
| Public Relations | 150.00 |
| Travel | 1,700.00 |
| Miscellaneous (Memberships, Cleaning Equipment, Florist, etc.) | 431.00 |
| Special Activities (Dance, Golf) | Nil |
| Student Activities (Scholarships, Rules, Iron Ring, University of Manitoba publication) | 700.00 |
| Membership Committee re Student Activities | 400.00 |
| Career Guidance and Counselling Committee | 100.00 |
| | <u>\$53,700.00</u> |

Budgeted Deficit — \$2,470.00