



The Manitoba Professional Engineer

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Vol. 4

WINNIPEG, MANITOBA, JUNE, 1961

No. 2

Our New Registrar



O. MARANTZ, P. Eng.

At the forty-first Annual General Meeting of the Association, Professor Oscar Marantz was elected by his fellow councillors to the position of Secretary-Treasurer and Registrar. Professor Marantz is well known to most of our members through the University of Manitoba where he has been on the staff of the Civil Engineering Department since his graduation in 1942. A native Winnipegger, he took his preliminary education at Daniel McIntyre High School and, following four years work at Flin Flon, enrolled in Civil Engineering at the University in 1938.

During the summers following his graduation he worked on airport construction and became interested in soil mechanics and highway construction. In the summer of 1947 he took several advanced courses in these subjects at the University of Michigan at Ann Arbor. He continued working in this field, spending the next five summers working for the Department of Transport.

In 1954 he obtained his Master's degree from the University of Manitoba.

Professor Marantz brings with him a wealth of experience in administration to his new position. He is a very active member of the Association of the Academic Staff of the University of Manitoba, and has served five years on their executive committee. Within our own organization he has served on the Board of Examiners since its inception in 1954, serving as Chairman for the first three years. He was elected to Council in January, 1960. The position of registrar is in capable hands.

NEWS OF MEMBERS

W. A. Corbett is now associated with the Industrial Development Bank as an engineer.

R. H. Banks, P. Eng., General Manager, has announced the incorporation of the firm of Banks Spronken & Associates Ltd. whose interests lie in prestressed and precast concrete super-structures in addition to conventional reinforced concrete and steel structures, foundations and public utilities, located at 1038 Portage Ave. W., Winnipeg 10.

L. B. Sylvester is now associated with Building Products and Coal Co. Ltd. as materials engineer.

C. Vogel is now employed by W. L. Wardrop and Associates as a structural design engineer.

The Canadian Institute of Steel Construction Inc., a national trade association serving steel fabricating firms, recently opened a regional office in Winnipeg with H. A. Krentz, P. Eng., in charge.

J. H. Macdonald, P. Eng., and Paul Krauss, P. Eng., have formed a partnership, Krauss & Macdonald, Consulting Structural Engineers, located at 394 Graham Avenue.



SOCIAL NOTES

Our Registrar, Oscar Marantz, has left by air for a European holiday.

Prof. and Mrs. G. M. Brownell have returned from a trip to South Africa, Rhodesia and East Africa.

Prof. and Mrs. Edward S. Magill leave by air June 3rd for 7 weeks in the British Isles, with prospects of a most enjoyable holiday.

The Fall Frolic is scheduled for September 22nd at the Winnipeg Badminton Club.

Mr. and Mrs. M. Mindess will be in France and Spain for 6 weeks. Mr. Mindess will attend the International Soil Conference in Paris.

GOLF!!

MARK YOUR PAD!

SPRING GOLF TOURNAMENT

JUNE 16th

PINE RIDGE GOLF COURSE

The Scott Gavel

By C. S. LANDON, P. Eng.



The reproduction above is that of the gavel, which was presented to the Association at the Annual General Meeting in 1940 by W. M. Scott, P. Eng., who was the Chairman of the Provisional Council set up to administer the affairs of the Association until the first Council had been duly elected.

In presenting the gavel the donor made the stipulation that it remain in the possession of the President of the Association during his term of office and that he in turn would pass it over to his successor.

A feature of the annual meetings is the ceremony for the transfer of the gavel, for which a ritual was written by the late Dean Emeritus E. P. Fetherstonhaugh and George E. Cole.

"The gavel is a buffalo horn, eminently appropriate since a buffalo is the symbol of the Province of Manitoba. The horn is equipped with a silver handle and a massive silver base, enabling it to furnish as a gavel. Accompanying the gavel is a parchment on which is inscribed the signatures of all presidents to date, in chronological order, with space for the signatures of future presidents up to one hundred years. This parchment is of size and shape that it can be rolled and lodged in the interior of the horn."

Mr. Scott did not plan that the gavel would in any way be attached to his name and that it would be known as the "Scott Gavel". It is most fortunate that the donor's name is attached in this manner because it will serve as a perpetual reminder to future generations of Professional Engineers in Manitoba of the gentleman who took a leading and active part in the formation of the Association of Professional Engineers of the Province of Manitoba.

Published by the Association of Professional Engineers of the Province of Manitoba
418 — 265 Portage Avenue, Winnipeg 2, Manitoba

President — C. S. LANDON, P. Eng.

Vice-President — R. E. CHANT, P. Eng.

Secretary and Registrar — O. MARANTZ, P. Eng.

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

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Reporters: G. R. Kirk, P. Eng.; K. Hallson, P. Eng.

Photographer: G. A. Tough, P. Eng.

President C. S. Landon



C. S. LANDON, P. Eng.

Regardless of efforts in 1907, by the University of Manitoba Medical School to enrol hockey player C. S. Landon, he decided to join the University's first engineering class. Before graduating in 1911, in Civil Engineering, he had already proved many times that it was a significant decision as far as the engineering profession was concerned. He had taken a prominent part in forming the Students' Union and had become the first President. He was also the first President of the University Engineering Society. And now, after a distinguished career in engineering, we are proud to have elected Dr. C. S. Landon the President of our Association.

A few years after graduation Dr. Landon became Superintendent of street paving for the City of Winnipeg. Writing his thesis on asphalt paving, he obtained his Master's Degree. A short period as Special Engineering Assistant to the Chief Engineer, Greater Winnipeg Water District, preceded his entering the First World War in the 12th Battalion Canadian Railway Troop. After the war he joined the Provincial Government Highways Branch. During the depression he was Manitoba's Representative, Federal Department of Labour, and was concerned with relief work throughout the Province. Then, for many years he was Regional Construction Officer, Unemployment Insurance Commission.

Dr. Landon has been, at various times, a Member of the Dominion Council of Professional Engineers, Member of the Board of Engineers of the Greater Winnipeg Sanitary District, Member of the Board of Directors of the Manitoba Good Roads Association, Commissioner of both the Sanitary and Water Districts. He was Secretary of the Winnipeg

Branch of the Engineering Institute of Canada for nine years and Registrar and Member of Council of this Association for twenty-six years.

At its 1957 convocation the University of Manitoba commemorated the 50th year of the Engineering Faculty by honouring two of its engineering graduates, one of whom was Dr. Landon who was awarded an honorary LL.D. degree.

Dr. Landon's contribution to the engineering profession and to our Association has been immeasurable. We are fortunate indeed in having Dr. Landon as our President for the coming year.

By-Law Amendments

Council is now considering a number of amendments to the by-laws of the Association and intends to call a meeting soon to seek authority from the members attending, for a vote by the general membership on these amendments.

Several of these by-law amendments are worthy of particular consideration. One will permit Council to select the Secretary-Registrar from the membership, waiving the requirement that this office be filled by an elected member of Council. This is a desirable change as it broadens the range of possible candidates for this important office, but more important means that the Registrar does not have to be elected every two years.

Another important change would, if adopted, mean that the President, after having completed his one year term of office, would become an ex officio member of Council for the following year. This will provide Council the benefit of his experience and allow the President an opportunity for one additional year of service without the necessity of running for re-election.

As a matter of fact, as suggested editorially in our last issue, it might be well to consider a further step which would restrict Councilors to three consecutive terms or six years in office, after which they would be required to withdraw for at least four years before again running for office. The point of this suggestion was to permit a greater participation by the membership and still permit a member, once elected, a sufficient term to contribute his talents to Association affairs.

At the last election there were five vacancies to be filled and there were sixteen names on the ballot. This, we believe, is an indication of a very healthy interest in Association activities. However, of these sixteen names, three were Past Presidents and we believe the odds to be considerably in favour of re-election of a Past President, simply because he

has had, as President, an opportunity to have his name before the members.

By adopting this further suggestion we can be assured of a regular change-over of Council. We can be assured further that those members who are willing to devote their time and talents will be given an opportunity to do so. We would reiterate the statement of our last issue that these suggestions should in no way be construed as criticism of present Council or any of its members, but that they are being made for consideration and action by the membership when other by-law revisions are being dealt with.

A further by-law revision which has been proposed is that the date of the annual meeting be changed from January to November. This has several advantages. The present date places a tremendous burden on the office over the holiday season. This date also means that members receive their ballots and important information regarding the annual meeting with their Christmas mail and are too pre-occupied to devote much time and thought to Association matters. Changing the date to November would have the further advantage of allowing the new Council to appoint committees in December so that they would become organized and ready to operate early in January instead of late in February or March as at present.

There are several other amendments to be presented. It is hoped that official notice of these amendments will be in your hands very shortly. Please study the proposed amendments very carefully and plan to attend the special meeting prepared to participate in intelligent discussion, bearing in mind that an active exchange of ideas concerning our affairs is always in the best interest of the Association.

Council Commentary

At a meeting of Council on April 12th, considerable time was spent in dealing with matters concerning membership. Twenty-two applications for registration were approved and one was refused but the applicant will be allowed to enroll as an Engineer-in-Training. Two transfers from Alberta and four from Ontario were approved after some discussion regarding different standards in other provinces. Five engineering pupils and three Engineers-In-Training were admitted and five licenses to practice in this province were granted.

Some streamlining of procedures of applicants for registration who are required to write examinations was adopted. This is primarily an internal matter simplifying book-keeping.

A letter from the Public Relations Committee making three recommendations to Council was studied in detail. At the Committee's suggestion, Council agreed to grant prizes of three log log duplex slide rules to Engineering I students, subject to satisfactory details being worked out with the University Registrar. A policy will be followed of placing paid newspaper ads to publicize engineering events of interest to the general public, but the notices must first have the approval of the President and Registrar. The last suggestion was that the Association investigate the setting up of a patent service. This was left in abeyance until results of a similar experiment in Ontario are revealed.

—R.C.S.

Association of Professional Engineers
of the
Province of Manitoba

EXAMINATION REGULATIONS

(Revised January 1961)

These regulations govern the examination of Applicants for Registration in the Association who do not possess the required academic standing from approved Engineering or related Schools or Colleges. The application of any candidate who fails to comply with any one of the regulations set forth below will be considered as withdrawn, the application cancelled and the candidate notified in writing.

- | | |
|-------------------------------------|---|
| Applications | 1. Applications for Examination will not be accepted from non-residents of the Province of Manitoba. |
| Examinations Required | 2. Examinations required will be those listed in the syllabus of examinations approved by the Association for which credits cannot otherwise be established to the satisfaction of the Board of Examiners, on a subject per subject basis.

3. Candidates will be notified in writing by registered mail of the examinations required.

4. The passing of Final Examinations will not relieve the candidate of passing the Intermediate Examinations which may be required. |
| Time | 5. Examinations will be held in April. |
| Place | 6. Examinations must be written at Winnipeg except under very special circumstances.

7. Arrangements may be made for candidates remote from the Winnipeg area to write the examinations of the Association at other points, provided that they submit the name of a Professional Engineer, or in the absence of same, the name of some other responsible person, who would be willing to supervise the examinations, and who is approved by the Association's Board of Examiners. Examinations undertaken outside of Winnipeg must be written on the same date and at the same time as those held in Winnipeg, and any expense incurred in regard to the supervision of these examinations is the responsibility of the candidate. Those wishing to take advantage of these arrangements must notify the Association office, giving the name and address of the proposed supervisor, at the time that advice as to the specific examinations to be written is submitted. |
| Notice of Intention to Write | 8. Candidates must give notice in writing of intention to write examinations by March 1st prior to the examination period, indicating specifically which examinations are to be written. |
| Fees | 9. Each applicant must pay the following fees:
a) Special Application Fee of \$50.00, payable at time of Application for Registration by Examination, one half of which will be refunded if all examination requirements are successfully completed within five years of notification of requirements.

b) Examination Fee of \$20.00 for each examination written, payable at the time of notification of intention to write the examination; and

c) Supervision Fee, if applicable. |
| Pass Mark | 10. The pass mark for each examination is 50%. |
| Failures | 11. Any examination failure must be cleared at no later than the second succeeding examination period after the first writing, the candidate thereby having the privilege of two supplementals. |
| Time Limits | 12. Candidates who are required to write Intermediate Examinations must commence writing these examinations within 1½ years, and must complete all Intermediate requirements within 5½ years of the date of notification of the examinations required.

13. Candidates who are required to write both Intermediate and Final Examinations must commence writing Final Examinations within 4½ years, and must complete all Final requirements within 8½ years of the date of notification of examinations required.

14. Candidates who are required to write only Final Examinations must commence writing these examinations within 1½ years, and must complete all Final requirements within 5½ years of the date of notification of examinations required. |

FORMER BULLETIN EDITOR ELECTED TO COUNCIL



W. J. ADAMS, P. Eng.

A new member of council this year is W. J. Adams, Branch Manager of Underwood Mc-Lellan and Associates Limited. Bill Adams was brought up on Section 32, Township 15, Range 20, W.P.M. in Manitoba — the Town of Newdale is a suburb of this choice property — and he received his early education in Newdale. After service in the R.C.A.F. he graduated from the University of Manitoba with a degree in Civil Engineering in 1950.

Bill was employed by his present firm upon graduation and after working for them in various parts of Saskatchewan and at Portage la Prairie in Manitoba, he opened the Winnipeg Branch in 1954. This Branch has progressed to the point where they are now moving into a handsome new building.

Bill has been active in Association affairs — having been a member of the Consulting Engineers' Committee since its formation and its Chairman in 1960. He also spent two years on the Bulletin Committee and one year as Editor.

Bill's hobbies are curling and duck shooting — both of which he follows with varying degrees of success — and he takes an active interest in the affairs of the Crescentwood Community Club. Bill is married and has three children.

♦ ♦ ♦

CALLING ALL CURLERS

Are you interested in curling? Then let your Sports Committee know by filling in this questionnaire. If a satisfactory number of replies come in we will negotiate for ice rental. Please Check (V)

1. I would like to curl with the Association once a week during the curling season on any of the following days.....

(Please indicate days of week preferred)

2. I would like to be interested in entering a one-day bonspiel comprised of members of the Association and guests.

Signed.....

Cut this out and return it to the office, 418—265 Portage Avenue, Winnipeg 2.

ENGINEERS AVAILABLE

The following registered professional engineers have registered at the Association office for employment. Would any interested employers contact the office, quoting the P. Eng. number indicated.

P. ENG. NO. 1—B.Sc. Mech. Durham. Mechanical Engineer, aged 29, with many years of business and financial experience seeks interesting and challenging position.

P. ENG. NO. 2—B.Sc. M.E. 1957. Three years industrial training (2 in United Kingdom) in the aircraft industry. One year junior administrative position with a land development organization.

P. ENG. NO. 3—B.Sc. C.E. 1954. Experience in transmission line planning, design and construction; design in precast concrete; plant engineer for manufacturers of precast blocks and pipes; estimating, design of commercial buildings, supervision of construction.

P. ENG. NO. 4—B.Sc. C.E. 1958. Experience in hydraulics, preliminary design and cost estimating, report writing.

P. ENG. NO. 5—B.Sc. C.E. 1952. Late 30's, varied municipal experience.

P. ENG. NO. 6—B.Sc. C.E. 1957. Experience in structures, hydraulics related to the power field, 2 years site experience, road building experience.

P. ENG. NO. 7—Dipl. Ing. Civil 1950. Experience in pipeline, transmission, highway construction and design and experience in power plants.

1961 GRADUATES AVAILABLE—2 Civils, 2 Mechanicals.

UNDERGRADUATES available for summer work are also registered at the office.

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MEETING WITH CHAIRMEN OF ALL COMMITTEES

At the suggestion of the Public Relations Committee, members of Council on April 27th met with chairmen of all committees so that committees could be acquainted not only with the work of Council, but also with the work of the various standing committees of this Association. The chairman of each committee represented explained the aims of his group and in the general discussion which followed there was a valuable exchange of ideas.

Dr. Landon pointed out that the chairmen are welcome to appear before Council at any time to explain their ideas or problems directly, or to seek information.

All agreed that similar meetings should be held more frequently since this initial discussion was definitely a success and closer liaison should result between Council and all committees.

—R.C.S.

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NO INTEREST IN SPRING FORMAL

In the last issue of the Bulletin members interested in holding a Spring Formal were asked to contact the office. On the basis of the evidence indicated there will be no Spring Formal. Not one call was received.

If you are interested in curling, don't leave it up to someone else to advise the Association. Do it yourself. Unless there is a reasonable response there will be no organized curling next winter for the Association.



GEORGE FLAVELL, P. Eng.

George Flavell is a new member of Council this year. However, George is not new to this sphere of engineering activity and his experience dates back to his days as a student member of the E.I.C. For his effort at that time he received an E.I.C. award. Since graduation he has served in many capacities with the Institute and Association; most recently he was Chairman of the Electrical Section of the Winnipeg Branch, E.I.C., in 1959-1960 and Chairman of the Association Sports Committee in 1959. He has served on the executive of University Engineering Alumnae.

George is a local product and received his schooling in Winnipeg, graduating from Kelvin High School. He took his first year of University at United College and in the fall of 1940 enlisted in the R.C.A.F. He was four and one-half years in the service, rising to the rank of Pilot Officer as navigator. Following his discharge in 1945 he returned to the University of Manitoba and graduated from Electrical Engineering in 1948.

In 1947 he was married to Gwen Whelpley. They have two daughters, aged 9½ and 1½. Used to the frustrations of being the sole male member of the family George has hopes the odds against the distaff side may improve early this year.

On graduation George joined Canadian Westinghouse and was two years on their test course at Hamilton. He remained in Hamilton for a further two years and returned to Winnipeg in 1952 as Utility Sales Engineer. In this capacity he has become well known by engineers in all of Manitoba's electrical utilities in their period of greatest expansion.

George is member of the Toastmaster Skyliners Club and the Manitoba Electrical Association and has served on the executive of both these organizations.

To take care of his spare time he golfs at the Southwood Club and works at his hobby of photography.

—K.H.

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ANOTHER PLEA — Once more we urge you to notify the office of any change of address. It is quite a strain on our secretary to turn herself into a private eye to try to track down missing engineers. People are always suspicious that she is a creditor in disguise and it is difficult to ferret out information. If you must fold your tent and quietly steal away, please leave a forwarding address behind you.

Committees for 1961

Because there is a waiting list of members wanting to serve on committees, members are serving on only one committee, except for past presidents who serve on the Awards Committee and one other.

Board of Examiners—

G. A. Russell, Chairman; D. W. Craik, Secretary; G. W. Swift, S. G. Anderson, C. E. Pontifex, R. A. Johnson, A. H. Pask, C. P. Bennett, C. R. Bouskill, M. J. Lupton, A. J. Carlson, E. Dolhun, H. D. B. Wilson.

Membership—

A. Soroka, Chairman; N. Mudry, Vice-Chairman; E. K. Overgaard, Secretary; J. A. Gordingley, G. A. Morris, R. L. Robinson, V. A. McGregor, I. B. Henderson, D. Blackburn, R. H. Junker, A. B. Sparling, W. A. R. Johnston.

Bulletin—

R. C. Sommerville, Chairman; C. R. McBain, S. Dolhun, G. A. Tough, G. R. Kirk, J. C. Gillespie, I. W. Thomas, K. Hallson, B. Whitfield.

Night School Courses—

C. M. Hovey, Chairman; S. J. Borgford, D. E. Costantini, J. M. MacBride.

Plan for Unity—

A. M. Tallman, Chairman; J. Hoogstraten, N. S. Bubbis, L. A. Bateman.

Consulting Engineers—

W. J. Adams, Chairman; J. L. Greer, C. Templeton, A. G. Moffatt, S. Hayden, G. E. McLure, J. Sumner, A. A. Laughlin, R. Hugo.

Public Relations—

H. E. T. North, Chairman; J. G. B. Iliffe, Vice-Chairman; V. W. Pink, Secretary; W. H. Bender, R. Diamond, R. R. Dutka, J. W. A. Godfrey, W. N. Isberg, D. C. Irwin, R. A. Jeske, E. F. MacKenzie, G. R. Thompson, G. T. Trotter, C. J. Goodwin, J. W. J. Lewis.

Advisory—

J. E. Whenham, Chairman; G. A. Muir, M. J. Gobert, R. D. Cahoon, G. R. Reshaur, C. P. Wright, J. D. Adam, D. S. G. Ross.

Salary—

F. G. Denson, Chairman; G. C. Durham, D. Ross.

Legislation—

R. T. Harland, Chairman; T. E. Storey, S. Barkwell, R. Noonan, E. Magill, H. Young, T. E. Weber, J. S. Roper.

Practice and Ethics—

A. J. Taunton.

Sports—

W. A. Corbett, Chairman; B. Y. Lynn, J. H. Benditt, M. D. Green, C. W. Reade.

Social—

C. R. Pike, Chairman; A. G. Burrows, Vice-Chairman; J. N. Warrener, G. G. Marshall, R. E. Gottfred, L. S. Earp, D. W. Miller, V. W. Chorley, R. A. Bowie, G. C. Booth, H. I. Bonne.

Awards Committee—

W. L. Wardrop, Chairman; L. A. Bateman, N. S. Bubbis, J. Hoogstraten, J. L. Charles, C. L. Fisher.

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ENGINEERING PUPILS

The following have been enrolled as Engineering Pupils:

D. Swan, W. M. Walker, R. G. Drysdale, D. C. Sexton, K. M. Drennan.

TRANSFERS

The following have been admitted to membership on transfer from other Associations:

W. J. Smith (Alberta), D. E. Coulter (Ontario), E. M. Lach (Ontario), A. A. Maltz (Alberta), E. N. W. Puttock (Ontario), A. E. Van Clieaf (Alberta), P. P. Popisil (Ontario).

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ENGINEERS IN TRAINING

The following have been enrolled as Engineers in Training:

M. W. Slezak, A. F. Peirce, R. A. Madder, E. W. Anderson, K. Kawata, W. A. Hansen, D. K. Biglow, J. G. Hutcheson.

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FLIN FLON

By M. N. COLLISON, P. Eng.

In the last issue we reported that G. H. Kent, P. Eng., and his wife, Kay, were in Sweden on business. They have now returned and are regaling us with accounts of their experiences, including a tussle with reindeer bones at the banquet table. In addition to Sweden, they visited Norway, Denmark, Germany and Paris. All in all, George reports a very enjoyable trip; lots of interesting scenery and food, but it is still good "to be home".

Don Wright, P. Eng., formerly Town Engineer for Flin Flon, is now residing in Saskatoon, where he is employed by a construction company.

Clark Brewer, an engineer in training, is endeavouring to fill in for Don until the town is able to find a replacement for this position.

Apparently, engineers are a very diversified bunch and one cannot tell what these hidden talents are until the results are shown. This applies to Ron Price, P. Eng., who, with very able assistance, was the successful producer of the musical "Brigadoon".

At a party recently it was noted that R. F. Pearson, P. Eng., is keeping up on his square dancing, as Frank very ably called several numbers to the amusement and pleasure of the dancers and spectators.

W. A. Green, P. Eng., Executive Vice-President, and Mrs. Green were in town a few weeks ago, for a short visit. Both are looking well and are enjoying their many visits with their grandchildren in New York.

W. A. Morrice, P. Eng., spent the Easter week-end at Hamiota. Sandy learned on this trip that a car will not run without gasoline, even an "Olds".

Ethel and I spent several days in Winnipeg over this same Easter week-end, doing some shopping, a little night-clubbing and visiting. I must say your weather at that time was no better than ours.

Spring Golf Tournament

PLACE—Pine Ridge Golf Course

DATE—June 16, 1961

Mark your date pad now

NEW MEMBERS

The following have been registered as members of the Association of Professional Engineers of the Province of Manitoba:

C. J. R. Brown, R. G. Causgrove, H. V. Hann, A. G. Larson, P. Moody, R. R. Ratcliffe, H. V. Smith, A. Sus, H. Urvat, H. G. Volume, J. L. Volume, J. A. Wiens, B. T. Whittcar, W. A. Willison, P. O. Wood, S. Shapiro, W. G. Bahan, C. C. G. Edgar, G. E. Humphries, J. R. Molloy, H. G. Sevier, A. M. Anderson, D. S. Champ, D. G. Burdeny, H. C. Ferris, A. Harms, B. R. Hryhorczuk, J. Huva, B. K. Laxdal, E. M. Lechman, A. R. McFarland, D. G. Malaher, T. W. Rendall, A. C. Robinson, R. L. Sandberg, R. M. Stefanick, D. R. Sutherland, N. G. Tribe, V. H. Wickberg, D. Duncan, F. D. McCarthy, S. E. Solmundson, E. M. A. Stanik.

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Evening Education

By S. J. BORGFORD, P. Eng.

A second successful season has just concluded for the evening courses for professional engineers. These courses were planned by the Education Committee of the A.P.E.M. and the Department of University Extension and Adult Education with the assistance of the faculty members.

The list of courses that were offered together with the name of the instructor and the registration is as follows: Prestressed Concrete Design, Prof. J. I. Glanville, 12 Persons; Digital Computer Components and Circuits, Prof. R. A. Johnson, 20 persons; Industrial Statistics and Quality Control, Prof. C. P. Bennett, 12 persons; Approximate Methods of Stress Analysis, Prof. R. Lazar, 17 persons; Refresher Course in Mathematics for Engineers, Prof. B. Noonan, 17 persons.

Lectures were given once a week for a period of twelve weeks. The fee range was from \$25 to \$40 depending on the course.

The evening courses are not designed to give participants certificates, diplomas or credit towards university degrees. They are rather intended for those seriously interested members of the profession who want to keep up-to-date in their particular field of endeavor. For them, participation in these activities provides an opportunity to engage in systematic study without the necessity of preparing for examinations.

All those taking courses have not as yet submitted their suggestions for future offerings, however a canvass of some has revealed specific interest in subjects such as design of shell and membrane type construction, composite design, advanced strength of materials, and hydraulic structures other than dams. Requests have also been made to repeat some of the courses just concluded, namely, Prestressed Concrete, Approximate Stress Analysis, Refresher Course in Mathematics. Some are interested in a lecture-laboratory course on soils, others, in a course on programming for computers.

Practically any professional engineering subject can be offered in the Winnipeg area providing there are sufficient registrants to pay the cost of carrying the course.

Those interested in offering suggestions regarding courses for consideration should communicate in writing to Mr. Harold W. Huston, Dept. of University Extension, University of Manitoba, or to the chairman of your A.P.E.M. Education Committee, Mr. C. M. Hovey.

—S. J. BORGFORD

Engineers Club

The formation of an Engineers' Club is being considered as a result of a motion at the Annual General Meeting.

Facilities: Lunch and Dining Room
Bar
Recreation — Cards and Billiards

The big question — how many members and how much will we pay? Please indicate what you would be prepared to pay, etc., by checking appropriate square.

Entrance Fee—
\$25.00 \$50.00 \$100.00 etc.

Annual Dues—
\$25.00 \$50.00 \$100.00 etc.

Would you wish membership confined to engineers? Yes No

Would you use lunch facilities
(a) Daily (b) Once or twice a week
(c) Never

(Cut this out and return it to the office)

Theatre News

A NEW play has recently made its appearance, and we have been fortunate enough to obtain a synopsis especially written for POTENTIAL by the author.

"PARAFFINALIA"

Produced by the Oily Cart Company.
Starring Al Cohol as a highly refined hydroxyl, and featuring Ben Zene as a romantic aromatic.

The scene is set in a reaction chamber, and the plot concerns the attempts of Ben Zene and Al Cohol to combine with Ethyl Radical, a reactive piece, and the complications incurred when Iso, a saturated toper, crudely oils himself into Ethyl's affections, despite the efforts of Poly Merise, a curious collector, to set her bubble cap at him. Polly's attention is deviated by Captan Mer, a backward evil-smelling mariner, who believes Poly to be a stripper, but she sidesteps him with a Brownian movement.

However, a chance meeting of Captan Mer and Ethyl, who are rich and weak respectively,

leads, among other things, to frequent invitations to dinner.

In an attempt to eliminate a rival, Iso takes a bottle by the pour point and makes a straight run at Al, giving him a wide cut. As a result, Al sets up a reversible reaction and cracks Iso's spirit. However, all is well; Polly forgives Iso's behaviour, but makes him promise to reform and never touch Al Cohol again.

During their periodic table meetings, Captan Mer and Ethyl discover a strong mutual attraction, with the probability of a two-way reaction. Assessing the situation correctly, Ben attempts to force a ring on to the unwilling finger of Ethyl, but Al gives proof of his spirit by trouncing both rascally admirers with a side chain. The outcome of this episode is that Ethyl dissociates herself from Captan Mer, and transfers her bond of affection to Al. Ben departs on his cyclo-paraffin in a cloud of smoke, and Captan Mer, who is found lurking in a sedimentary basin, is flushed away by a chain reaction. Al and Ethyl then form a conjugate bond and live happily ever after raising power plants on a tank farm.—a fuel's paradise.

E. M. GOODGER.
—Reprinted from *Queen's Alumnae*

A.P.E.M. CLUBHOUSE COMPETITION!

CONTEST RULES :

1. DO NOT DESIGN NEW PREMISES AS MEMBERSHIP DOES NOT WANT THEM.
2. SIMPLY COMPLETE ARCHITECTURAL AND DRAUGHTING REQUIREMENTS OF SKETCH SHOWN.
3. COLOR SKETCH ACCORDINGLY.

FINE PRINT :

1. CONTEST ENDS JULY 29, 1991
2. FIRST THREE SUBMISSIONS WIN
3. MEMBERS OF A.P.E.M., THEIR FAMILIES AND FRIENDS ARE INELIGIBLE TO ENTER

