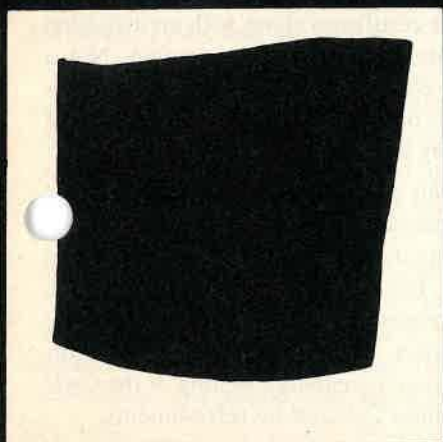
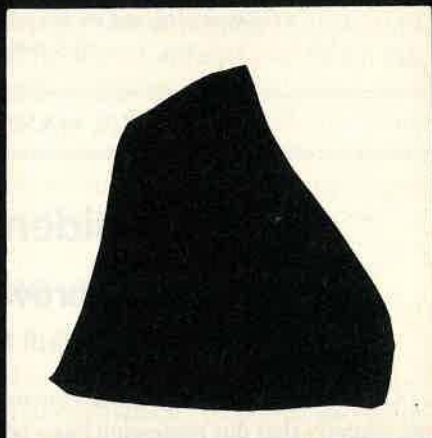


# Bulletin

February

82

*The  
Manitoba  
Professional  
Engineer*



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

WINNIPEG, MANITOBA, FEBRUARY, 1982

## President's Message

### Let's Improve our Self-Image

by Kenneth M. Jardine, P. Eng.

One of our members tried to convince me recently that our profession has a better image in the eyes of the general public than it has within its own membership. The arguments supporting his contention are alarmingly strong and his point has far too much validity.

It is probable that the beginning of misunderstanding about the profession among our membership occurs at the beginning, at graduation and at registration. At graduation an engineering degree and iron ring are presented at two impressive ceremonies, and by then the graduate is used to being called an Engineer. Two or more years later registration occurs and for the first time he really is an Engineer with a licence to practise.

Registration is thus an important event signalling professional status and the legal right to make engineering decisions. How do we mark this auspicious turning point? Well we mail out some literature, a seal and a certificate along with an invitation to attend an informal reception. Not a very elaborate entry into such an illustrious profession and not liable to leave a lasting impression on a new Engineer.

This year we will be trying to institute a registration ceremony to highlight and punctuate the acceptance of new members. The ceremony could include: a talk on professionalism by an outstanding Engineer, presentation of seal and certificate and ceremonial signing of the Code of Ethics followed by refreshments.

Perhaps the registration ceremony will start our young Engineers off with a more accurate focus on the profession which will lead to a brighter internal image in a few years.

## REGISTRAR'S REPORT

*("View from the Iceberg's Tip")*

by Oulton A. Rogers, P. Eng.

A month in the position, and that month made even shorter by the holidays, hardly qualifies anyone to propose solutions, or even properly define problems.

Apparent even to the casual observer, though, is the class of your A.P.E.M. office staff; these people are hard working, dedicated and capable, keeping things running smoothly through a succession of elected councillors and short-term regis-

trars. If the image of the profession is portrayed in part by the office and staff, this image is polished indeed!

Two items pertinent to registration should be of interest to members.

In the past, post-graduate thesis time has been counted in part as engineering experience. Is this valid, in your opinion?

Reference requests are sent out as part of the registration process, to members named by applicants. Generally, these references are not completed well. Simply answering Yes or No to the questions makes the task of judging an applicant's qualifications a difficult one. When you receive a reference request, take your time, give it your best effort. The more careful your response, the more confidence we have in recommending for (or against!) approval of the application.

## COUNCIL MEETING — NOVEMBER 2, 1981

by S. M. Matile, P. Eng.

At 3:30 p.m. sharp on Monday, November 2, 1981, President Rudy Isaak called the regular November meeting of Council to order. Present were Mrs. Dunklee, acting Registrar, and Councillors Jost, Jardine, Cross, Foster, Swift, Haywood, Lewis and McNichol.

The Agenda and the Minutes of the two previous meetings were approved, following the correction of a spelling error, and all registrations, licences, and engineering graduates, and all but one transfer, were approved. Although the applicants in general had achieved exceptionally high marks on their examinations, one application for transfer was denied, the applicant having twice failed the exam — the second time worse than the first!

The pipe and the can of club soda having been officially recognized as voting instruments, Council proceeded to deal with the matter of the appointment of a new Registrar. President Isaak read first his letter to Oulton (formerly "Ben") (the photographer) Rogers, then Mr. Rogers' letter accepting this prestigious position. This means that, as of December 1, 1981, our Association will have a new Registrar named Oulton (if we can ever remember that!), and finally, we may be getting a decent photographer (all interested persons please apply directly to the Bulletin Committee!) Anyway, congratulations, Ben-er-Oulton! We all know you will do an outstanding job!

The next item on the agenda was an appeal against the decision of the Regis-

trar, which was presented by Councillor Swift. Dr. Swift was appealing the decision of the Registrar to reject an application for registration, but he withdrew his appeal when he learned that an appeal to Council is final, and that, should Council vote in favour of the Registrar at this meeting, the applicant's only recourse would be to the Court of Queen's Bench. Furthermore, Dr. Swift, as spokesman in an appeal challenging the official representative of the Association, would not be able to vote as a Councillor in the appeal. It was decided that Dr. Swift should either obtain written permission from the applicant to act in his behalf, or get the applicant to make the appeal himself.

Next came a letter from Mr. W. McKay of the ACEM, regarding a reportedly defamatory article in the Dauphin Herald. This letter was referred to the Consulting Engineers' Committee, to whom the ACEM would be asked to



General Manager Oulton Rogers in action.

furnish some background information and some substance to the issue.

Finally, President Isaak reported on the B.C. Annual General Meeting. According to Mr. Isaak, B.C.'s main concerns are continuing education and competence, and an Architect-Engineers' agreement, which, because of a motion from the floor, has to be reviewed further. The B.C. Association just raised membership fees from \$90 to \$110 per year.

The meeting, probably one of the shortest in the history of the APEM, was adjourned, in favour of sandwiches, coffee and conversation, at 5:30 p.m.

## COUNCIL MEETING DECEMBER 14/81

by R. A. Kane, P. Eng.

"People can be divided into three groups: those who make things happen, those who watch things happen and those who wonder what happened."

Given this as a truism I attended the Council meeting December 14 to watch those of us who make things happen and report to those of you who wish to know what happened.

Things began on time at 3:30 P.M. with a formal welcome by the new Council to our new Registrar Oulton Rogers P.Eng., followed by the reading of previous minutes, the granting of licenses and the induction of engineering graduates, registrations and transfers.

Council then read a letter of resignation from Stuart Buckler, P.Eng. as Chairman of the Practice and Ethics Committee, which they accepted. How-

ever, they asked that he remain as a committee member until the end of March so as to afford the necessary continuity in cleaning up some outstanding reports.

Council moved to accept the appointment of Dave Ennis and Ray Scouten as the Chairman and Vice-Chairman respectively.

Staying with committees, Council ratified the lists circulated of the composition of the Annual Meeting, Board of Examiners, Bulletin, and Code of Ethics Ad Hoc Committees. Having done this Council then moved to have each committee review its terms of reference and submit same by no later than the April Council Meeting.

As mentioned in a previous report Council moved to accept a revised reference form to be used in the future for persons applying for Professional Engineering status. The wording in the questions referring to "Engineering Experience" has trapped some referees into implying a non-engineering candidate has been doing engineering work prior to fulfillment of the admission standards.

Council passed a motion to change the fee structure for candidates taking examinations. From here on it will now cost each candidate \$125 per exam and the same figure per thesis.

Along the same line a question arose over admission standards. What is in question is that certain applicants would come with a Bachelor's degree in a non-accredited course or from a non-accredited institution, but had obtained a post-graduate degree from an accredited institute. What this could mean is that while the candidate had a very highly specialized degree he may be

lacking in some of the basic training normally obtained in an accredited Bachelor's program. Hence, it was moved and passed to have the Board of Examiners assess the candidate's overall academic qualifications making sure that a candidate had a fully qualified academic standard from his Bachelor's program as well as his post graduate degrees to gain entry.

Mr. R. Haywood suggested that, when the Awards Committee reviews awards candidates, they may look at giving consideration to a group and not limit themselves to looking for individuals alone. Council noted that within the Merit Award's terms of reference groups could certainly be considered and the Awards Committee will be reminded of this.

At this point an applicant arrived who wished to contest a decision previously rendered by the Registrars of the time. It is to say the least an involved story where the applicant felt he had been unfairly treated with the examination on the Code of Ethics. To try and summarize, this person had written the first exam when he obtained Engineering Graduate status. When he applied for full admission he was given the new examination which he failed. Coincidentally, reference information was sent out and returned by the referees named by the candidate, plus a review of his overall experience to date. In the opinions of both Mr. Saltzberg and Mr. Jardine, who had received his case, he failed to meet the necessary standard and they advised the candidate to reapply in 6 months. He made an appeal directly to Council who, after questioning this man personally and reviewing all the data in their hands, upheld the decision as rendered by both Ken Jardine and Walter Saltzberg.

The University of Manitoba Engineering Society requested some financial aid to send a delegate on a conference. Council voted that they give \$100.00 with a note explaining that their own financial constraints forbade any more.

After a brief dinner break, Council chewed over a report given by Rudy Isaak of the C.C.P.E. meeting he had attended. Matters Rudy wished to highlight included a Job Evaluation committee report which said that the cost of such a committee to C.C.P.E. versus the return was insufficient to justify going beyond the Ad Hoc report submitted. He reviewed some hiring guidelines for Consulting Engineers and a few other general items. This seemed to be all there was to talk about so the meeting adjourned at 7:00 P.M.

## COUNCIL MEETING JANUARY 11, 1982

by J. Lucas, P. Eng.

Council began the meeting with approval of agenda and acceptance of minutes of previous meeting.

These two items were rapidly followed by approval of all licences, graduates, transfers and registrations and with one reinstatement being held back due to low marks on the exam.

Council then discussed a recommendation from the Executive Committee that the fees for the balance of 1982 should be:

Transfer Fee	25.00	(10.00)
Registration Fee	50.00	(25.00)
Licence Fee (Cdn)	150.00	(100.00)
Licence Fee (Non-Cdn)	200.00	(100.00)

The existing fees are noted in brackets.

This revised fee schedule was accepted by Council as proposed.

The next item was the approval of a special Association meeting to be held on June 9, 1982 to discuss the setting of an upper limit on dues and revising the dates of the fiscal year and the annual meeting.

Council received a letter from the Safety Committee whose members are suggesting increased involvement with items concerning public safety and environmental issues. Council felt that the Association should limit itself to protecting the public good by ensuring that the competence and integrity of members are maintained. After some amount of discussion on this matter, the question was raised if there is a need for a standing Safety Committee and perhaps Council should reduce the Committee to an Ad Hoc body. It was decided that the Regis-



Walter Saltzberg demonstrates Jewish auto-surgery at the curling lunch, which coincided with his birthday.

trar would discuss this item with the Chairman of the Safety Committee and draft terms of reference concerning reducing the Committee to Ad Hoc status.

The next topic was the matter of Continuing Competence. Mr. O. Rogers suggested that a standing committee be set up to examine the prospects of continuing education for the engineering membership as is required in many other professional fields. It was generally agreed by Council that members would not accept a proposal of mandatory upgrading. It was at this point in the meeting that Dr. G. Morris reported that he has accumulated two Continuing Education Units (CEU's). This fact was duly noted by all members of the Council. It was finally agreed to establish an Ad Hoc Continuing Competence Committee to study the prospect of continuing engineering education and prepare a proposal for the June Council meeting.

Council next accepted the Executive Committee proposal to accept a request for a \$300.00 contribution to the Manitoba Design Institute for the Premier's Awards for Design Excellence 1982 reception.

The next item discussed was the Engineering Library. Dr. Morris presented a proposal to form a joint APEM/Faculty of Engineering Committee to be known as "Friends of the Engineering Library Committee". Council decided to have the Association Staff investigate the feasibility of establishing such a Committee and report back to Council.

President Jardine pointed out to Council that there is no clear-cut point at which a new engineer is registered and this may be somewhat confusing and a bit of a letdown for new members (approx. 125 per year). With full agreement from Council, President Jardine stated that both he and Mr. Rogers will further pursue the matter of a New Members' Registration Ceremony.

The last item was a reminder by Dr. G. Morris of the January 18, 1982 APEM Centennial Lecture which is to feature Dr. R. F. Legget, P.Eng. Retired Director, Division of Building Research, National Research Council of Canada. As this lecture is the first of several items commemorating the Seventy-Fifth Anniversary of the Faculty of Engineering it is hoped that it was well attended.

## ANNUAL MEETING

### Business and Monkey Business

It is difficult to assess what the members would like in an annual meeting. They aren't showing much enthusiasm for a two and a half hour meeting, a reception, lunch and guest speaker, awards presentation, and dinner and dance.

At the peak we had 4% of our members at the meeting, we sold 135 tickets to the lunch and 75 to the dinner and dance.

The most interest at the meeting surfaced when Past President Bouskill proposed an amendment to one of the by-law changes Council was introducing. On the grounds that the proposed amendment negated the original motion, which is against the rules of order, President Isaak declared the proposed amendment to be out of order. Several people made out-of-order efforts to speak on the sub-

ject during which President Isaak maintained his patience and his cool. In an effort to keep the train on the tracks Mr. Isaak asked the meeting to vote on his ruling. Councillor Haywood and twenty-one others voted against the ruling, with Councillors Jardine, Jost, Cross, Saltzberg, Foster, McNichol, Lewis and Swift joining the majority of 33 who supported the President. The motion to amend the by-law over which this altercation (brouhaha) took place passed 50-10. The remainder of the proposed by-law changes passed unanimously, as did all the other motions with the exception of the one approving the salary schedule, which recorded one member in opposition.

Something is amiss when the highlight of a meeting is a procedural wrangle. Members of Council, particularly the Executive, work diligently all year, putting in very long hours on Association business, and they deserve better support at the annual meeting. Members are

asked to submit items for the agenda. None resulted. Surely there were interesting questions about the various reports that could have been put.

Perhaps the best description of the meeting can be derived from the comments received by various members of the Bulletin Committee. The orchestra was too loud. The orchestra was not loud enough. The meeting was too structured and free discussion was not encouraged. The meeting was too loose and several members who were out of order, several times, should have been reined in. No one wants to hear the same thing regurgitated year after year. Some members talk too much. Members should participate more. Members should ask more questions. Members who want to ask questions about procedure and not policy should telephone their questions to the office. The meeting was too long. The meeting was not long enough.



At the curling lunch Perrier Water drinking President Jardine casts a disapproving eye at toaster Clyde McBain and drinker Bryan Norrie.

So for next year what we should do is have a shorter meeting that takes longer, enforce the rules more stringently in a free-for-all, discourage members from speaking and encourage more discussion and give some thought to bringing back Walter Saltzberg's animals. At least they increased the head count.

If you weren't at the meeting please tell us why. If you were there and would like changes, we'd be happy to hear about them.

## Rudy Isaak

It was a heavy year for Past President Isaak. There were twelve Council meetings, an equal number of Executive Committee meetings, and various other meetings in Winnipeg and across Canada. All of it creates a lot of homework, and Rudy's was always done.

Rudy Isaak has a real commitment to the profession and the Association. He had served for twelve years on committees (10 in Manitoba, 2 in Alberta) before being elected to Council. He is currently completing his sixth year on Council.

He conducted the Annual Meeting fairly, impartially, patiently, and with his ever-present good humour.

He has served the Association well, and he is an excellent ambassador for the profession. Fortunately he will not be lost to us. As a Past President he will serve on the Nominating Committee for two years and on the Awards Committee for at least six years.

We owe him a debt of gratitude for the sacrifices he has made, and will continue to make, to serve this Association so well.

## Awards

A highlight of the Annual Meeting was the Awards Luncheon. The Merit Award was given to W. H. Kasperski (in absentia as he was in Pakistan) and the citation reads in part: "In 1961 he went to Grand Rapids as Resident Engineer remaining there until the completion of that project in 1965. In 1966, he went with the first contingent to the Kettle Rapids site. After a year in Winnipeg as Construction Manager, Nelson River Projects, Stage 1, which involved the Kettle site, Lake Winnipeg Regulation and the Churchill River Diversion, he returned to Kettle Rapids as Resident Engineer, a post that he held until 1972. The first unit in the plant went on line four months ahead of schedule. In 1973, he was named Assistant Director of a newly formed Generating Projects Division. While no venture of the scope of Kettle Rapids is possible without the talents and efforts of many, in his capacity of Resident Manager Bill Kasperski merits special recognition for his personal contributions to the success of that project. His perseverance, ingenuity and leadership in mobilizing to a successful end massive amounts of material and equipment and an army of workmen in a remote and harsh environment, bring great honour to him and in turn to this Association."

W. Raymond McQuade received the Merit Award for his outstanding public service. "Ray McQuade has given generously of his time both to the Association of Professional Engineers of the Province of Manitoba and to a very important element in its community, the University of Manitoba. Over the past twenty-five years he has served on Com-

mittees of the Association for a total of thirty-one years. He was first elected by the Alumni to the Board of Governors of the University of Manitoba for a three-year term effective June 1, 1974. He was re-elected by acclamation — almost unprecedented — for a second three-year term beginning July 1, 1977. In 1974-75 he was named as a Board representative on several University Committees and as a Director of the Pre-Cambrian Centre — on which he continues to serve — and in 1975 as first Chairman of the Joint Board/Senate Committee on University Priorities, a post that he relinquished when elected Chairman of the Board of Governors in September 1975. He was re-elected each June thereafter for a total of four and a half terms. During his terms as Chairman, the University faced difficult situations including the first collective bargaining with academic staff of any major English-speaking University in Canada, severe fiscal constraints and accompanying difficulties over distribution of funds. His unstinting efforts within the profession and the time and talents that he contributed to lead the Board of Governors and University through a period of adversity have brought reflected honour and prestige to this Association.”

The Outstanding Service Award was conferred on Carson H. Templeton. “Carson Templeton served on the Consulting Engineers Committee for five years and was Chairman for one year, was a member of the Employee Engineers Committee for two years; Committee to Study the Act for two years; Advisory Committee for five years; Nominating Committee for one year and the Bulletin Committee for ten years. Gilded with wit, his private and public urgings of Professional Engineers to speak

out on, and assume more responsibility for, the ethical aspects of public policy have contributed significantly to the growth of the engineering profession in Manitoba. Carson Templeton’s contributions on behalf of the Association go well beyond its membership. His efforts as Chief Engineer of the Greater Winnipeg Dyking Board in 1950-51, his leadership in forming effective, integrated and interdisciplinary teams and his own personal and dynamic commitment to the public good through planning flood protection and, latterly, his concern for environmental effects of pipeline construction in the north, have all served forcefully to remind this Association of its professional and ethical basis for existence.”

For having rendered meritorious service to the Association, Honorary Life Membership was granted to Skapti Borgford, Allan G. Moffatt and W. Leslie Wardrop. Mr. Borgford is a Past President of the Association with over twenty years’ service on committees. Mr. Wardrop is also a Past President with several years of committee service. Mr. Moffatt served on Council for four years and on committees for eighteen years.

All of these award recipients are outstanding professional engineers and bring great honour to this Association.

## Use of Roster

Permission to use the APEM roster was NOT given to Dominion Educational Seminars, 500 - 55 Donald Street

## Quit Smoking

In order to set a fine example for all members and as a Christmas present to his wife and family, Richard Piotrowski has quit smoking. Hard to think of a gift the family would have appreciated more.



At left — Ebenezer Rogers tallies up the cost of the Executive-Staff Christmas luncheon.

## Oulton A. Rogers, P. Eng.

What a find! Our congratulations to the Selection Committee who chose Oulton A. Rogers for the position of General Manager and Registrar. Prior to taking over his new position Oulton (Ben) was known for his wit, his cordiality, his sensitivity, his charm — all of which were obvious to those who worked with him on the Bulletin Committee and those who met him, taking pictures, at various Association functions. Behind the genial facade there is much depth. He is articulate, decisive, thorough. He wades into responsibility as if it were a warm pool. He has taken charge of the ship as if he had been born to the task. The crew are delighted and some committees are already discovering they have a strong and knowledgeable ally to guide them through procedural shoals and help them to get on with the business at hand, and give them a definite and purposeful sense of direction.

Oulton Rogers was born in Swan River, his mother having come in to Swan River from the family home "in the bush" for the important delivery. He has one older sister, Beverley.

Oulton began grade one in his mother's kitchen, that good lady teaching him with the aid of correspondence material. The family moved to Pine Falls where Oulton took grade two "by storm." It was a very traumatic experience for a little boy, moving from the bush into civilization. He didn't know anybody and wasn't accustomed to having people around. He was shy and well behaved, and was only expelled for one day in four years over a "misunderstanding."

When he was in grade six, his family moved, at Easter, to Lac du Bonnet. In



With the help of paper, marking crayons and fern, Oulton Rogers gives a seminar on metric to the staff.

spite of the one day's expulsion and switching schools at Easter in the days before common curricula, he remained at the top of the class. In his high school years he played hockey, curled and did a lot of girl watching. He and his friends hold the Manitoba record of turning over 32 outhouses on one Hallowe'en night. Oulton went to high school dances and stood in a group with other boys, looking eager, but too shy to act.

On graduation from high school he joined the air force, and began basic training at St. Jean, Quebec, on to Clinton, Ontario, and then overseas to Metz, France as a telegraph technician, where he spent the next three years. He was

posted to Baden Baden, Germany and after almost two years to Trenton, Ontario. He left the air force in the summer of 1969 to enter the Faculty of Engineering at the University of Manitoba "as an old freshman," (mature student). He was Senior Stick in his final year and graduated with the degree of B.Sc. E.E. in 1973.

He went to work for the Highways Department "changing light bulbs" in the Traffic Operations division. He became a registered professional engineer in Manitoba in 1975, and has taken a keen interest in Association affairs ever since. He served for two years on the Compensation Study Ad Hoc Committee, for one year on the Salary Committee and for three years on the Bulletin Committee.

On July 4, 1980, he married Gail McIntosh. Then President Walter Saltzberg, current President Ken Jardine and Assistant General Manager Loreen Dunklee were among the invited guests. What Ben lacks in being pretty and

lovely, Gail provides. This enchanting young lady will be a great asset to the Association, both here in Manitoba and when she travels across Canada with her husband.

It is a giant step forward for the Association. Oulton Rogers will give the position his best shot. He deserves the full support of all members. We wish him well.

### J. L. Charles, P. Eng.

The highlight of the Fall C.C.P.E. meeting in Ottawa for Manitoba delegates was the presentation of the Canadian Engineers' Gold Medal Award to John Leslie Charles, O.C., D.S.O., LLd., P. Eng. Major Charles emigrated to Canada in 1910 and served with the C.N.R. for 55 years. As Chief Engineer for the Western Region of the C.N.R. Major Charles directed the work on branch lines that furthered the economic development of northern Manitoba and the Prairie provinces.



Lori-Lyn Langrell flanked by Councillors Fred Jost (left) and Grant McNichol (right) at the Christmas Eve luncheon for Councillors and staff.

Following his "retirement" from the C.N.R. Major Charles, at the age of 73, went to Africa to take charge of the surveying of a railway to connect the Rhodesian system in Zambia to the East African system in Tanzania. He was also engaged on railway surveys in Liberia, West Africa.

In 1975, at the age of 82, Major Charles spent 13 months in Brazil helping to chart a 600-mile railway through the jungles of the Amazon Valley.

Major Charles has been a member of this Association since 1921, and is a Past President and an Honorary Life Member.

He is an engineer and a citizen of great distinction. We quote from the C.C.P.E. citation: "John Leslie Charles has played a leading role in the development of northern Canada; has contributed to the furtherance of the engineering profession both at home and abroad and has displayed a continuing interest in his profession and growth and development of his country. Professional engineers across Canada take pride in his accomplishments and service and are grateful for the opportunity to give recognition to his career by presenting him with the Canadian Engineers' Gold Medal Award."



Editor Roger Kane

## THE CANADIAN ACCREDITATION BOARD

by G. A. Morris, P. Eng.

One of the tasks of the Association of Professional Engineers of Manitoba, and the associations in the other provinces, is to assess the academic qualifications of applicants for admission. Last year, more than five thousand people graduated from Canada's Engineering faculties and several thousand immigrants and potential immigrants applied for academic assessments.

Because of the heavy workload in conducting individual assessments of large numbers of applicants, the provincial associations began, a number of years ago, the practice of extending blanket recognition of academic qualifications. Each association considered the graduates of the engineering programs offered in its province to be qualified academically for admission. Normally, this action was taken in the absence of an assessment of the programs.

Over the years, through informal arrangements, the associations extended the blanket recognition to graduates of some of the engineering programs offered in other provinces. Unfortunately, the recognition was not universal and an engineer who was registered in one province might find that he had to write examinations in order to become registered in another province.

In 1965, the Canadian Council of Professional Engineers established the Canadian Accreditation Board and gave it a mandate:

- to promote uniformity of accreditation of educational qualifications for registration purposes,

- to foster, in co-operation with the educational institutions, a high standard of engineering education,
- to provide a medium for the interchange of ideas between the universities and the profession regarding the educational needs of the profession, and
- to assist the associations in the assessment of foreign engineering qualifications.

The first CAB list of accredited engineering programs was compiled from the lists that had been used by the various associations. A program was included in the CAB list only if it was common to all of the association lists. It was not until 1972 that the first CAB accreditation visits to Canadian engineering faculties took place. The third cycle of accreditation visits is now underway and an authoritative list of accredited programs is published annually by the CAB.

To assist the associations in the assessment of the qualifications of immigrant applicants, the Board, in the late 1960's, compiled a list of foreign institutions of strong reputation. It was assumed that the graduates of those institutions would be qualified academically for registration. The list was maintained for a number of years, but it became apparent that its use discriminated against Canadian engineering faculties and graduates. While Canadian programs are subject to an accreditation review every five years or more frequently, the foreign institutions on the list were afforded an open-ended accreditation in the absence of even an accreditation visit.

Hence, three years ago, the list of foreign institutions was discontinued and a

policy was established of pursuing mutual recognition agreements with accreditation groups in other countries. Two years ago such an agreement was concluded with the Accreditation Board for Engineering and Technology in the United States. At present, discussions are underway with the Institution of Mechanical Engineers, the Institution of Civil Engineers, the Institution of Structural Engineers and the Council of Engineering Institutions in the United Kingdom, with a view to the establishment of mutual recognition agreements with them. Contact has been made with engineering organizations in other countries.

The activities of the Canadian Accreditation Board are of benefit to every Professional Engineer in Canada. In the first place, there is a large financial saving to the Associations, in that they are freed of the necessity to conduct an individual academic assessment of every applicant for admission. Secondly, we have the luxury of mobility. For example, a 1980 graduate of any of the engineering programs at the University of Manitoba is able to move to any part of Canada or the United States and have his qualifications recognized. Finally, the



President Ken Jardine (with beard) and Secretary Lori-Lyn Langrell (with corsage) rehearsing for a toothpaste commercial.

accreditation process has contributed significantly to the improvement of engineering education in Canada and thus, indirectly, to the stature of the profession. Many instances could be cited, where the Board's suggestions and criticisms have led to improvements in curriculum, staffing facilities and equipment.

At present, the Board is served by only a very small paid staff. All Board members and all members of accreditation teams contribute their time and effort with no remuneration. Last year the contributions of the very senior engineers involved represented more than four person years. To the practising engineer, this has to be the best bargain in town.

### **PAY YOUR FEES**

The annual fee of \$100.00 is due January 1. If this fee is not paid by the end of February by ENSURING THAT IT HAS BEEN RECEIVED IN THE ASSOCIATION OFFICE BY THAT DATE an additional \$10.00 is due. This year February 28 is on a Sunday. According to the by-law the fees must be in the office BEFORE March 1. Anyone whose fees arrive in the office on March 1 or later will be assessed the \$10.00 levy. THERE ARE NO EXCEPTIONS TO THIS BY-LAW REGULATION. It is the responsibility of staff members to follow the by-laws, and they do so. All those members whose fees arrive in the office on March 1 or subsequently will be assessed the \$10.00 levy.

### **Iron Ring Ceremony**

The spring ritual of the Calling of an Engineer will be held on Wednesday, March 3, 1982. Location will be the Tache Hall, University of Manitoba Campus, commencing at 8:00 p.m.

As this is the ceremony to obligate the graduating class, the Wardens would request the attendance of the obligated engineers to assist in the ceremony and to indicate to the candidates a presence of interest and support.

Following the ceremony, there will be refreshments and an opportunity to meet the students.

Tache Hall was the former men's residence. Parking is available in Parking Lot C and F behind Tache Hall.

For additional information, please contact the Secretary at 1479 Buffalo Place - phone 284-0580, W. G. McKay, Secretary, Camp #8.

### **Mr. Spot Grit**

We are pleased to announce the appointment of Joe Lucas, P. Eng., alias Spot Grit, to the Bulletin Committee. We are always on the lookout for members with writing talents, and Mr. Lucas is indeed a find. He went out for dinner not long ago, and was asked to write a short essay on why he had selected that place. He wrote his blurb, signed it Spot Grit (these being the names of his two cats), and was not at all surprised a few days later to answer the phone and have someone ask to speak to Mr. Spot Grit. Sure enough, Joe had won the contest, and we were fortunate enough to hear about it and recruit him.

## CALLING ALL UNIVERSITY OF MANITOBA ENGINEERING GRADUATES

75th Anniversary Reunion  
July 1st - 4th, 1982  
Winnipeg, Canada

The Faculty of Engineering at the University of Manitoba is celebrating its 75th Anniversary in 1982. A giant reunion is being planned for the long weekend of July 1st - 4th, 1982 in Winnipeg, mainly on the campus. Events being planned include class reunions, a pancake breakfast, a gala banquet and dance at the Convention Centre, open house in the

Faculty and other activities. As well, a history of the Faculty is being prepared and will be sent to graduates before the Reunion. If you are a Manitoba Engineering graduate and our first mailing did not reach you (or did reach you and was not correctly addressed), please let us know by writing to, or telephoning: Professor A. J. Carlson, Faculty of Engineering, University of Manitoba, Winnipeg, Manitoba R3T 2N2, Canada (204) 474-9808.

## LYNN LAKE — LEAF RAPIDS

by D. S. Taylor, P. Eng.

Hello from the North of Manitoba. Yes we are still alive, despite all the layoffs that have been occurring. It was a good summer, excellent weather, our gardens were very beautiful, with everything doing remarkably well except potatoes. Due to the later than normal frost, we even got our beans off the garden before the frost got them. The fall was very mild, with lots of snow over 30 cm deep in the garden. The cold hit us in late December, and with the short days (the sun rose at 9:30 a.m. and set at 4:00 p.m.) and -40°C temperatures, it has been an interesting month.

The layoffs you have been hearing about are all true, although the real effect has not hit us yet. Placing 200 people out of work in a town of 2300 people is like losing 600 or 800 people. When the layoffs come, the moving vans will be very busy.

Sherritt has been losing money in its mining division since the beginning of the

year, but the losses have grown worse each month as the price of copper continued to fall. Copper prices at 89¢ Canadian will not cover our production costs, as we need about \$1.20 Canadian to break even. We also produce zinc, gold and silver, but these metals also have weak markets.

Sherritt decided the best way to cut losses was to reduce the mining tonnage (at Fox from 950,000 TPY to 625,000 TPY) and to increase the metal grades from underground. This means we will need fewer employees, and will high-grade over high-metal-content mining areas. The result of these two decisions is layoffs, and a shortening of the mine's life by several years. Hopefully the decisions will result in less of a loss in 1982 and the continued operation of the min-

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### MOVING?

PLEASE let us have your change of address.

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ing division. Poor metal prices are hurting not only Sherritt, as many metal mining companies are considering layoffs, extended Christmas vacations and shutdowns, all over North America.

Several personnel changes have occurred around the operations. Eric Du Russell, P. Eng., the Fox Mine superintendent has gone to Elliot Lake to work in the uranium business. Peter Goodwin, P. Eng., has been promoted to Manager of Ruttan Operations, and Bob McCombe, P. Eng., has become manager of Lynn Lake operations. Charles Brown, P. Eng., has been promoted to Fox Mine Superintendent to replace Mr. Du Russell.

Enough news from the north for this edition, all the engineers of Lynn Lake and Leaf Rapids wish the best to all Manitoba Engineers in 1982.

## Curling and Other Sports

Sports Committee Chairman Vic Becker stayed out of the rink assignment activities this year with the result that most of the curlers arrived at the right place on time, although Gerry Patterson from Arborg came without his breakfast and Dave Sharpe without shoes. An attractive lady (not his wife) arrived at 8:30 with Dave's shoes. Dave said she was his sister-in-law.

Paul Lowe came as a flag, red and white sweater and blue broom and won best dressed award, and Ed Lipinski was declared worst dressed for wearing a tam without a pom pom. Ed explained that his dog had eaten the tassel off the hat. Hank Penner was a close second to Paul Lowe, being colour co-ordinated in navy blue, even to bruises.

During lunch Messrs. McBain, Ross, Norrie and Grimes reminisced about

what they could remember of past bonspiels. Either faulty memories or faulty recording devices at the time of the events resulted in many gaps. Gordon Kirby, who should have been in Texas, braved the cold to attend.

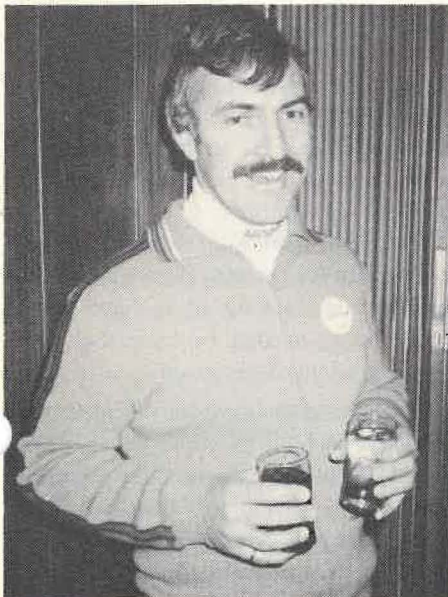
Vic Becker extended birthday congratulations to Walter Saltzberg after lunch, and that was it for speeches. Immediately after lunch Gerry Langman began searching for a "substitute or assistant sweeper." Frank Arnason was not available because he was at a beekeepers convention in Saskatoon. With great effort Barry Rowley propped himself up for his final game, after which he was going bowling. John Stefanson volunteered John Buermeyer from Neepawa for committee work.



Curler Fred Nicholson demonstrating the sort of action that resulted in his winning no prizes.

Victor Thielmann remained incognito by keeping his name tag in his pocket. He said the highlight of the bonspiel was learning there was culture in Arborg. Cam MacInnes and Sean Quigley said the highlight for them was scoring four times as many points in the second game as they did in the first.

The most incredible game of the day was between Hallson, Stewart, Morris, Bukoski and Sparling, Carlson, Beley, Clayton. It was a close game for the first thirty seconds, but ended up 18-3. This is for a six-end match. After the game the academics pulled their toques down over their faces, dashed for the parking lot and back to their drafting boards on campus. What a rout! This was a new record in our bonspiel and probably a record for the entire province. Doug Struthers said he had seen nothing like it in Steinbach where he recently won the local bonspiel.



Sandy Gibb demonstrates two-handed prowess at the curling bonspiel.

Many brilliant comments were overheard, and we recorded others. "You'll need a computer to keep track of our score." (Paul Lowe). "What's the status of your new interchange?" (Anon.) "I lost and I'm hiding in my parka." (W. Fast). "I'll do better in the Brier." (Bob Cameron.) "The longer I sit the tougher it is to get mobile." (Barry Rowley). "There's a lot of creaks showing." (Ron Gordon). "We're finished. Early retirement." (Bryan Norrie). "Hurray! It's tequila time!" (Rick Muzeen).

Dick Russell gave two very interesting impromptu discourses on keeping fit and the advantages to living in Manitoba.

The big winners who will have their names engraved on the Presidents Cup are Oleski, Carmichael, Schott, Hoemsen. The runners up in the main event were Davies, Pyl, McNichol, Chapman. The runners up to Ken Hallson's bulldozers were Borlase, Gibson, Permut, Tottle.

In a very minor event Gary Swan proved he is better at bridge than curling when he teamed up with President Jardine to beat the Registrar and his Assistant (Rogers-Dunklee).

When it was all over everyone went home except Bill Mackenzie who went on curling.

The event was managed by Sports Committee members Vic Becker, Alf Cornies, Sandy Gibb, Arnie Permut, Jascha Boge, and Lori-Lyn Langrell added the decorative aspect and did the work. Our thanks to Canadian Portland Cement for donating prizes.

Ken Jardine and Walter Saltzberg came for lunch in three piece suits but were outclassed by Registrar Rogers in a magnificent brown three piecer, so Ken

Jardine slipped off home to change into more casual clothes before presenting the Presidents Cup, lest he should be taken for a member of staff.

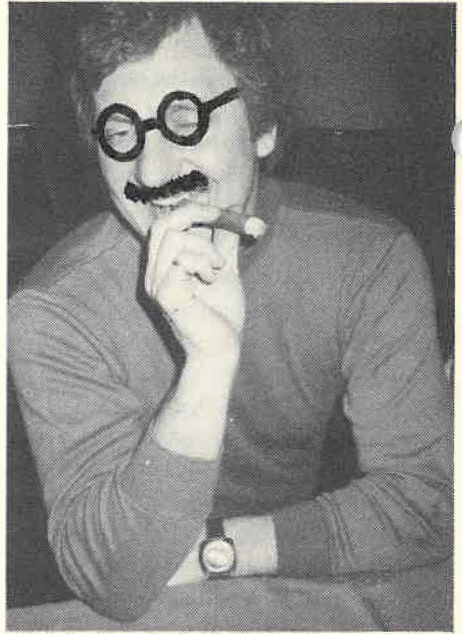
The suggestion has been made that an additional, different sporting event should be held — a bridge and cribbage tournament. If you are interested please drop a note to the sports committee or telephone the office.

— S.J.A.

## Merry Christmas

There were 26 items on the agenda for the Executive-Staff luncheon on December 17, in an effort made by staff to show the Executive how to get through 26 items in an hour and a half. Item one was an announcement by Chairman-Registrar Oulton Rogers that smoking could begin after the Toast to the Queen. (Item 26 was the Toast to the Queen.) The imaginative gifts included a soap on a rope key to the executive washroom for Oulton Rogers, a candle to be burned while smoking (for Vice-President Dave Cross) and a book entitled "Let's Parler Franglais" (votre place or mon place?)

Item two on the agenda was the ordering of cocktails and Perrier water (the President is on the verge of having to join Perrier Water Anonymous) and perhaps if Council started their meetings in this sensible way they could get through a longer agenda in less time. Dave Cross proposed a toast to the non-smokers, Past President Isaak proposed a toast to has-beens, Dave Cross proposed a toast to the ladies and President Ken Jardine replied. There were telegrams from Idi Amin (giving advice to President Jardine on how to keep his head), Prime Minister Tru-



Al Bischoff and cigar at the curling bonspiel.

deau who gave us a big scoop by advising that he was going to stay in power until Justin took over, Saint Peter who said he didn't want any more Past Presidents up there because they kept telling him how to run things, Housing Minister Cosgrove who said he thought it better for him to say nothing, and Immigration Minister Axworthy who said we should be grateful for his open-door policy which made it possible for us to have lots of people who needed to have their academic credentials assessed.

During lunch someone decided Joan McKinley would be interested in a little Robe au Vin and unfortunately we missed taking a picture of this dousing. Elaine Ryan said this was the first Christmas party she had ever attended where a Perrier water President decided to baptize a member of staff with Liebfraumilch.

Lori-Lyn Langrell gave a toast to the gentlemen in such eloquent fashion that they were all speechless. Oulton Rogers did a take-off on those who claim, in loud tones, that they **MUST** be qualified for registration because they have been doing design engineering work in Manitoba for simply ages. Loreen Dunklee sat gazing at her place card which depicted a hen with a bunch of chicks. President Jardine's card showed a bearded baby in a wheel chair, holding a spear on a hill. (Mr. Jardine was raised in Spearhill, Manitoba.) He figured his place card out by the process of elimination. Somehow he knew he was not one of the cute young ladies shown with curls, surrounded by piles of fees and ballots.

The General Manager and Assistant General Manager were reminded regularly that they were still on probation, and they smiled and looked knowingly at each other, because after all probation is of longer tenure than becoming a has-been almost overnight as happened to Past President Isaak. Pictures of this happy event may be seen elsewhere in this issue.

## **E.I.C. Student Night**

The E.I.C. Student Night will be held at the International Inn on Thursday, March 19, 1982, commencing at 7:00 p.m. The guest speaker will be Hon. W. Parasiuk, Minister of Energy and Mines, on the topic "Participation by the Engineering Community to the Economic Growth of the Province."

Will any A.P.E.M. members who wish to sponsor a student please contact Glenn Morris at 474-0808 or Jack Atchison at 474-3584.

## **HOW I QUIT SMOKING**

**by R. F. Piotrowski, P. Eng.**

It is presently 11:30 p.m. and I am dragging on my second-last cigarette. I have taken up the challenge to quit smoking by midnight using the "cold turkey" method. I bet the turkey feels better than I do now.

In the past I have tried various methods to quit in order to join the majority i.e. those that quit but would surely enjoy a good cigarette once in a while. My first attempt was the slow withdrawal technique (setting my pace from one cigarette every 30 seconds). My next effort was to avoid those occasions that led to enjoyable smoke (realizing quickly that I wasn't cut out to be a monk). I also attempted to use substitutes (but there are only so many Big Mac's one can consume). I even tried to occupy my hands and thoughts in areas unrelated to present activities (ever try flipping through and reading all the old issues of the Bulletin)? Smoking half-way only made me a 7 pack-a-day smoker.

It is now 11:58 p.m. and I am indulging in my last smoking experience. I have just calculated the amount of money burned by smoking but soon realized it was less than my A.P.E.M. registration fee and related yearly expenses.

It is now 12:35 a.m. and I just finished ravenously devouring the smoke from the last butt I could find in the house. I pondered on new quitting techniques yet untried. The old wives tale of hanging garlic around my neck wouldn't work since I live in the north-end. Cold showers would be pointless since I take them regularly (I'm still not meant to be a monk).

It is now 2:15 a.m. as I return from waking my neighbours to "bum" a smoke. As I exalt in the fragrance of this my last cigarette I recall the words of the famous Portuguese chef Lech du Maurier who said "to air is human, to smoke is divine".

It is now 6:45 a.m. While dressing for my Bulletin Committee meeting and choking on a freshly constructed "rollie" made from old cabbage leaves I hear the sweet saving jingle on the radio "thank heaven for seven-eleven".

It is now 7:03 and while leaving my neighbourhood convenience store with three packs of the infamous weed, I reflect on the famous Cameo Player, Peter Jackson, who performed daily Matinees and was ranked Number 7 as an Extra Light Export A (actor) who said "Drink, Smoke and be Gay".

## LETTERS

### Texas Perspective

Dear Sirs:

I certainly enjoy reading the articles in the Bulletin and look forward to receiving each copy.

The following appears on the business card of a local service station, and I believe it is a plus for the lady engineers in our Association. I thought you all might get a boost out of it. I know I did. Keep up the good work.

"Sure God created man before woman, but then you always make a rough draft before the final masterpiece."

Very truly yours,

John Klassen, P. Eng.

Editor's Note: The lady engineers in this Association are indeed masterpieces, and you did give us a boost.

## Hurray for the Ladies

Subsequent to the recent provincial election some Redneck wrote a letter to the Free Press deploring the fact that several women had been elected to the Legislature. "The control of the government . . . by a woman or women is a bizarre, unnatural situation. One need look no further than the recent histories of Israel and India to realize this. Common sense and attention to the comments of women politicians should remind us that intense self-interest and a punitive, guilt-inflicted attitude will never promote the general well-being of the population." Gulp.

The writer of the letter is suffering from myopia. He is attributing the arrant nonsense exhibited by a very few females to all of them. We will admit there are some idiotic women abroad. We have commented on some of them specifically, but their folly is not endemic to all females. What of Madame Curie, the Bronte sisters, Jane Austen? What of the lady engineers in this Association?

One of the star reporters on this publication is a lady, an engineer and a very super person. She is intelligent, tolerant, sensible, charming. She is a first class engineer, she jogs to keep fit and runs the 26 miles of the marathon. She is a responsible, diligent and good reporter. She is one of the nicest people we know. She brightens each corner she is in, and one is always the better for having encountered her. She has certainly been a very big asset to the Bulletin Committee and to the Association. She is a very capable engineer and a beautiful person.

One wonders which male politicians in what countries Redneck is viewing when he concludes they are doing a better job than females could do. Much has been

written in the past in this publication and others about bungling male politicians. What we don't do is assume that all males, particularly engineers, are a reflection of the bunglers. Redneck can continue to attribute the follies of the few females to them all if it pleases him. We aren't going to fall into his trap and assume that all males are rednecks. We're going to keep focussing on Shirley Matile, P.Eng. S.J.A.

## THOMPSON NEWS

by B. E. Maxfield, P. Eng.

Martha and I very much appreciated the opportunity to again attend the Annual General Meeting. We thoroughly enjoyed renewing old friendships and meeting so many new people. Eric, Audrey Wilson and John, Susan Fulton also attended from Thompson.

Our hearty congratulations are extended to John Fulton on his election to Council. I agree with John that geographical representation on Council is important and he now has the opportunity to represent the interests of rural members of the Association.

As you all are aware, Inco was shut down by a strike that started September 16, 1981. The strike was settled December 14 and the operation is gradually returning to normal.

The primary metals industry is particularly hard hit during the current recession, Inco has been forced to cut back production levels at Thompson but layoffs have not proved necessary. Sherritt Gordon Mines have cut back their operations at Lynn Lake and Leaf Rapids resulting in a large layoff of employees. On top of all this, it has been one of the

coldest winters in a long time. Hopefully 1982 will bring a turnaround.

One bright spot for Thompson was Inco's announcement in October that it is proceeding with its \$87 million first phase to develop the Thompson Open Pit and bring it into production in 1984. The dredging contract was awarded to Kesmark Marine in October and mobilization is underway. Their dredge Ospawagan at Selkirk has been dismantled and is being shipped to Thompson where it will be rebuilt with increased capacity and dredging is currently scheduled to commence in May. Hardy Associates and Reid Crowther & Partners are carrying out the civil and geotechnical engineering associated with pit design and dredging.

The Thompson Open Pit dredging operation will be an additional sight-seeing opportunity for visitors to Thompson for the next 2½ years.

## Professionalism

Periodically we are asked the question, "What does the Association do for me?" This makes no more sense than asking the Motor Vehicle Branch what it does for you. The Motor Vehicle Branch grants one a licence to drive a vehicle in Manitoba. This Association grants one the right to practise professional engineering.

In December we received a letter of resignation from a past president of this Association who has moved to Victoria, British Columbia. His letter read in part, "The Association has served me well for many years and I wish you continued success in the future."

This past president served for two years on the Public Relations Committee, four years on the Bulletin Committee, four years on the Engineers-Architects Committee, four years on the Premises Committee, two years on the Registration Procedures Committee, two years on the Budget Committee, three years on the Nominating Committee, six years on the Awards Committee, one year on the Safety Committee, one year on the Practice and Ethics Committee and five years on Council. And he writes "The Association has served me well." Think about it!

### **Welcome Oulton A. Rogers, Registrar**

Day one. December one. The ladies decorated the Registrar's office with streamers, bows and a card of welcome to the new job. It was a busy day for Mr. Rogers, and he took to all the inquiries and the reams of paper like a Thompson raven to Susan Fulton's turkey carcass — keen and with great enthusiasm. There are, of course, big differences. Mr. Rogers is not quite as sleek as the ravens, he is better looking and not a scavenger. At three p.m. everything stopped for tea, (not a regular occurrence) and a "Welcome Oulton" cake. President Ken Jardine and Vice-President Dave Cross just happened to be in the vicinity at cake cutting time, and when Oliver Norris-Elye and Fred Kaita were advised at the close of their noon meeting that cake was imminent, they decided to stay for the ceremonial cutting. Past President Rudy Isaak got his piece of cake at an Executive meeting the following day. Oulton is adjusting very well to the regular sandwich noon meetings, and to handling the bucks that stop

at his desk. The Bulletin Committee is accustomed to being a training ground for Presidents, and is proud to add a General Manager and Registrar to its graduates. We certainly wish him well, and since he is so well trained in the field of journalism, we will look forward to his continued contributions.

### **New Members**

E. G. Parker, D. E. Simpson, L. M. Filippelli, R. P. Rumancik, L. R. Vigfusson, R. G. Richardson, J. R. Wells, D. A. Brown, F. Burford, P. J. Gualtieri, J. D. Kelland, E. M. Lajtai, I. L. Leavens, D. B. McMurray, R. S. Tebinka, J. D. Wedgewood, L. Abrams, L. C. Chastko, I. R. Farr, C. C. Mistry.

### **Engineering Graduates Enrolled**

A. A. Ali, W. M. Candline, P.C.L. Clifford, R. K. Franzmann, S. L. Gan, B. A. McArthur, T. C. Moors, D. G. Nicholls, S. Quigley, P. B. Shewfelt, C. D. Stewart, M. D. Tilley, H. K. Chin, H. S. Fu, C. C. Ho.

### **Licences Issued**

C. E. Atkins (Alta.), H.E.I. Badawy (Alta.), D. M. Bissett (Que.), L. J. Doody (Ont.), P. W. Elder (Alta.), N. M. Engelman (Que.), R. G. Holcek (Alta.), J. D. Hubbert (Ont.), H. R. Kamo (Ont.), J. Kates (Ont.), A.N.L. King (Ont.), B. V. Patadia (Alta.), M. J. Rosseker (Alta.), H.J.B. Sutherland (Ont.), H. O. Wilson (Que.), P. Yazdani-Farsi (Alta.), J. A. Ball (Alta.), L. N. Hogarth (Alta.), T. A. Constantine (Ont.), L. L. Earley (Que.), J. W. Fry (Alta.), C. Fung (Ont.), J. C. Morris (Sask.), F. J. Privora (Ont.), D. F. Quan (Ont.), R. E. Wedding (Ont.).