

Bulletin

April

77

*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, APRIL, 1977

PRESIDENT'S MESSAGE

My message to you in the February issue of the Bulletin listed Group Practice as a priority subject for Council in 1977. A letter to the Bulletin Editor published in this issue presents a vigorous opposition to the proposed legislation and confirms the need for additional explanation to the membership. A special meeting of the Council will be convened to review this subject and you will receive a report responding to the questions presented by the delegates attending the Annual Meeting and further confirmed in Mr. DePauw's letter.

In addition to Group Practice, there are references in the letter which invite comment. The Bell Canada case represents a challenge to the Associations in every province to define the work, and the responsibilities for the work of the Professional Engineers, the Technicians, and Technologists. This dispute originated in Ontario but has since been transferred to the headquarters of the Corporation in Montreal. It is significant to note that the Order des Ingenieurs du Quebec declined to respond to the pressures from the technicians and technologists in their province and referred

the subject to the Quebec Professions Board of the Provincial Government for resolution.

CCPE has also been active in the study of the role of the engineering para-professionals in the "engineering team" concept. It is not correct to imply that the Directors of CCPE approved "The Profile of the Technologist", but rather that they accepted the documents as reference for further discussion with the National Council of the Technicians and Technologists. The minutes of the November, 1975, meeting of CCPE confirm that the Directors from Ontario, Quebec, and New Brunswick shared to varying degrees the dissatisfaction of our Director from Manitoba with the definition. It is important to recognize that there are over 8,000 technicians and technologists certified in Ontario, and the membership in MANSCEET is approaching 1,000. Both societies share a common goal with the groups in other provinces for some form of legal recognition and independent licensure. In Manitoba your Council has established a committee to encourage open discussion of the issues with MANSCEET.

I also wish to comment on the statement that APEO dominates the Canadian Council of Professional Engineers. This is true insofar that the By-laws of CCPE provide for a delegate on the Executive Committee from each of the Associations of Ontario and Quebec, two representatives from the Associations west of Ontario and one representative from the Maritimes. Each Association is represented on the Board of Directors by one delegate — usually the Past President — and each with one vote. Each Association is responsible to its provincial legislature and there is no legal obligation to accept majority decisions of the CCPE Board. As an organization to co-ordinate the standards and activities of the provincial Associations, domination of CCPE is a function of the relative size of each Association and is limited by the freedom and responsibility of each Association to conduct its own affairs. The Director from Ontario represents over 36,000 registered Professional Engineers and this is approximately 45% of the total registrations in Canada. In this sense APEO is a factor of strength at CCPE meetings.

It is true that APEO has not appointed a delegate to the National Committee for Salaried Engineers, nor have they adopted the decisions of other Associations to replace the “co-operative” salary survey

program with compensation studies. They do have a special committee studying these subjects, and their newly elected President has emphasized the “role of the Salaried Engineer” as a priority item.

I am not aware of any “urging” or encouragement from the President of CCPE for APEM Council to introduce Group Practice legislation. At the Annual Meeting in November the delegates from Saskatchewan and Ontario both confirmed the favorable acceptance of their programs. In Saskatchewan, the legislation is applied only to consultants, and in Ontario most consulting firms and some corporations with in-house engineering groups are licensed.

Our Bulletin is the appropriate medium for the debate of important issues. Group Practice is one such issue, and I invite and welcome similar letters and comments to fully examine all perspectives. Both Mr. DePauw and I appear to agree that an important element of incomplete understanding by the voting delegates was apparent at the Annual Meeting. As the alternative to “dropping the issue” Council has a responsibility to assure that important resolutions are adequately explained and understood by the delegates to the Annual Meeting who cast their ballots on behalf of the complete membership.

— E.F.G.

COUNCIL MEETING

On Monday, February 14, 1977 the APEM Council met for the second session of the year. The meeting opened at 4:10 p.m. with President Ted Glass presiding and all members of Council present.

The agenda was followed as listed and the first items, the Minutes of the last meeting, Minutes of the Special Meeting with SEMTS, and accounts were passed with straight-forward discussion. Licences, Engineering Graduates, Transfers, Registrations, Reinstatements were

then approved as listed. The first quarter financial statement was reviewed and passed.

Terms of reference for liaison councillors became the next issue at hand and a draft copy submitted by T. W. Algeo was discussed. It was moved that a second draft be prepared by the Managing Director that would include the revisions. This was carried.

The meeting moved along at a good pace continuing down the agenda. Messrs.

Saltzberg and Gilliland were appointed to serve on the Task Force to study the Code of Conduct. It was also suggested that at least one member from the Employee Engineers Committee be included.

R. A. Johnson was elected by Council by secret ballot to serve on the Executive/Finance Committee.

A motion was made by Mr. Jost to accept the members of the APEM committees as attached to the agenda. This was seconded by Mr. Bouskill and approved by council. C. R. McIntyre was appointed by the Council as chairman of the Practice and Ethics Committee and L. A. Buhr as Vice-Chairman.

New information prepared by the Employee Engineers Committee on the Salary Schedule Point System was approved for submission to the Salary Schedule Committee.

The meeting took a short recess for a nutrition break and promptly got underway to "Other Business". Items under this section included:

— A meeting of the Council and the Brandon Engineers is scheduled for March 16, 1977 in Brandon. Other meetings slated for the near future are between Mr. Cherniak and Messrs. Glass and Gilliland and a meeting with the Engineers of Red River Community College.

— The Iron Ring Ceremony was discussed generally by the Council and eventually a position will be taken by Council when speaking to C.C.P.E. The 1977 Ceremony is dated for March 19 at 9:30 a.m. at Tache Hall.

— The Council endorsed a draft letter written to C. J. Moull, President of C.C.P.E. on Alternate Energy Sources — Portable Fuel, and a copy is also being sent to R. E. Chant, Director of Office of Industrial Research (OIR), University of Manitoba.

— The letter submitted by the Manitoba Design Institute requesting

Association involvement will be dealt with by the Executive Committee.

— The Canadian Engineering Manpower Conference will be held in Edmonton on March 2, 3, 4, 1977. Mr. Bill Clement will be acting as observer for the A.P.E.M.

— A copy of the Templeton Engineering Company submission to Winnipeg Land Price Inquiry Commission was sent to the Association. Council agreed the copies or excerpts from the report would be reviewed by Council members prior to the next meeting.

— Council also moved to submit a brief letter to A. R. Paulley, Minister of Labour regarding the Work place, Safety and Health Act and its requirements for Professional Engineers.

The chair was passed to the Vice President at 7:20 p.m. and the meeting adjourned at 8:10 p.m.

NOTE: It should be recorded that the council meeting was at least two hours shorter than most. The agenda was handled in a very prompt and direct manner by the Chairman of the meeting. Perhaps this could be made a tradition!

— K. T.

ASSOCIATION FILM MISSING

Some weeks ago an Engineer borrowed the engineering film from the A.P.E.M. office. We neglected to get his name at the time. Now we need the film. Will the member who borrowed it, please telephone the office or return the film.

CALL FOR PAPERS

The Canadian Society for Civil Engineering, Structural Division, will hold its annual meeting in Victoria on October 27 and 28, 1977. They have issued a call for papers, and ask that volunteers send a brief note with title and outline to R. G. Sexsmith, Western Forest Products Laboratory, 6620 N.W. Marine Drive, Vancouver, British Columbia V6T 1X2.

RICHARD JOHNSON



R. A. Johnson, P. Eng.

Richard A. Johnson was elected to Council in November 1976. This will give Council an input of pure academia that has been missing for the last couple of years. Dick is a graduate of the University of Manitoba where he has been employed in the department of Electrical Engineering ever since. He was department head for four years and since January 1977 has been a provost of the University. There are two provosts; both are responsible to the vice-president, academic, for the academic affairs of the University. Teaching duties continue in the faculty. Thus our new councillor is untainted by the world of industry and sordid commerce; this is reflected in Dick's service record with the Association where he has been active with the more intellectual committees. Participation and leadership have been demonstrated in committees of the Board of Examiners, Code of Ethics, Legislation, Engineering Curricula and the Canadian Accreditation Board.

Dick Johnson's election platform expressed the belief that threats to the Association are due to incorrect or incomplete understanding on the part of many of what the Association is all about. He promised to work to enhance the public's understanding of the importance of Professional Engineering in their everyday lives, and he will attempt to focus the efforts of all members on the professional goals of the Association. Dick's thoughtful eloquence will be an example to all of us.

On the domestic scene Dick Johnson is the son of Icelandic immigrants. His father was an outstanding authority on Icelandic literature. Dick is a good non-smoker, married to Elaine. They have three children and live in Winnipeg's prestigious River Heights. Hobbies are literature, history, stamp collecting and Gilbert and Sullivan.

In a world peopled by Gilbert and Sullivan characters we will find that the academic on Council is a very practical asset.

— J. W. J. L.

THE FINE PRINT

The Bulletin now has a new printer. It was our intention to have larger print in the February issue but we were waylaid. If we do not have 10 point Press Roman, Medium, in this we will have a new printer for the next issue.

The fine (9 point) print that has previously been used is suitable for consultants because they are accustomed to writing. It's great for the government because they are accustomed to reading it. It's adequate for contractors because they ignore it, but for the honest salesmen who get enslaved by it fine print is not good enough. Now if we could get the readability to match the legibility we would be in good shape.

LETTERS

Response to President's Message

The Editor

Dear Sir:

Not so, Mr. President, corporate or group practice is **wrong in principle**.¹

Registration of a group of persons will not identify or define the Professional Engineers as a "discreet unit" (whatever that means), but will permit the person who designed the engineering work to avoid assuming the responsibilities which can only be his as a design professional. Only the engineer who did the design, or his immediate supervisor who checked the design, can have sufficient knowledge to accept the responsibility by sealing the work set out from his hand. Without this exposure, that is of an individual engineer of integrity, will the protection of the public be assured? Individual responsibility will also prevent a corporate (group) boss from wrongfully (ignorantly) taking credit for the work done by others.

You refer to the complex work environment of corporations and government organizations. I have worked for a government organization for the past twenty-nine years, working my way up through the ranks, and I respectfully suggest that you are not clear on or do not know what you are saying.

The case of the Bell Canada Engineers is a good example in point. It shows that the individual's right to practise is in jeopardy because of their own Association's failure to uphold the principle of the need to recognize the contribution made by the design professional and the need to make him or her (the Engineer) personally responsible (not the senior management, or leader of the corporate group).

The Bell Canada case does not only place Bell Canada's employee engineers'

status as professionals in jeopardy, but the engineering profession in Canada as a whole is in jeopardy outside of Quebec.

Why? Well, read the definition of the engineer as endorsed by C.C.P.E., which says the practice of professional engineering is limited to those who are ultimately responsible (remotely, that is). In my case, that would be the Minister of the Crown. So who else needs to be registered but the Minister. This is another reason why corporate practice is **wrong in principle**. In practice, group registration will not work for the better protection of the public — the opposite is true.

Read the document put out by and with the approval of the C.C.P.E. executive and the majority of the directors, entitled the "Profile of a Technologist" and it will become clear to all that the design professional members of all the Professional Associations of Canada are being betrayed by those management engineers in high places who have become so blinded by their self-importance and business interests that they have forgotten the needs of their dedicated colleagues who are working diligently behind the scenes for the benefit and protection of the public. (NOTE: The Editor should publish the Model Definition of an Engineer and the Profile of a Technologist for the knowledge of the members.)

You suggest that "to obscure in any way such fundamental definitions" regarding the "practice of engineering" . . . "is to sacrifice the right of the public for protection under the Act." I agree and suggest that we must stop hanging out hats on the grossly overused word "professional" and start defining the right of the "ingénieur" to practise, as it is in Quebec. No wonder the Bell Canada engineers had to turn to the Order of

Ingénieurs of Quebec for assistance. The Ontario Association of Professional Engineers, dominated by the corporate engineer, which Association dominates the activities of C.C.P.E., has certainly been of no help. I hear rumour to the effect that the now-president of C.C.P.E. and past-president of A.P.E.O. has urged our Council to adopt corporate practice.

I thought the question of corporate practice had been clearly defeated at our last annual meeting. It was defeated because many of us could not understand why the Practice and Ethics Committee would argue in favor of corporate practice because the Committee could not "identify responsibility for engineering practice in projects involving distributed responsibilities among 'engineering teams'."

The foregoing quote, taken from your message, is a real good example of obscurity. I say prove it — disclose the facts of the case in point so that the membership can judge for themselves the need for registering group practice under the Act to assist in the "hunt."

The idea or notion that a reprimand or suspension or fine of a registered Professional Engineer will work for the protection of the public seems to be based on the need to prove that the design professional must be punished for some unwilling error made in his calculations (which error in calculations would go undetected by the leader of the group practice unless he checked the calculations personally).

How is the public protected? By punishment after the fact, that is, after the collapse of the building. This is somewhat akin to the argument for capital punishment as being of a deterrent value, only it would be obviously less effective because of all the secrecy surrounding our tribunal (Committee?) findings.

How much more effective it would be to see that all design work is done and checked by only those who have properly earned the right to practise and are registered or licensed with the Association as required by law. In this way, the public would be truly protected from possible bodily harm and against economic loss, by more diligent enforcement of the true intent of the Act. To do otherwise is farcical. Indeed, the present trend will encourage persons not to register and thereby be beyond the reach of the Practice and Ethics Committee because of the Committee's jurisdiction only applies to those who are registered.

Another thing, the Practice and Ethics Committee seems to be under the false notion that no effort must be left undone to guarantee that a finding of guilty will be assured before laying a formal complaint. This is a very dangerous approach and the Committee may be in violation of the law of natural justice and the Human Rights Act.

Read the Discipline By-Law and you will see that the Practice and Ethics Committee may investigate a complaint to the point that they are satisfied that the complaint is not trivial and that sufficient cause exists to have Council judge the guilt or non-guilt of the engineer involved.

Only Council sitting as a quasi-judicial tribunal can properly (legally) subpoena witnesses and hear evidence. It is only then that the facts can be brought to light and it may well be that no guilt is found. But why should the members of the Practice and Ethics Committee feel they have failed if no guilt is found or the engineer against whom a complaint is laid is found not guilty as charged? They have no mandate to judge guilt or innocence. They would be exceeding their authority if they did. Therefore, how will the establishing of corporate or group

practice make their efforts more effective?

Council has an obligation to make sure the zealotry of the Practice and Ethics Committee does not go too far and thus violate a member's rights or natural justice.

Why need the complaint laid before Council be so specific and certain of being upheld? Only after the actual witnesses are heard under oath and the evidence has been presented, can the actual fault, if any, be fairly ascertained and the degree of guilt, if any, be determined. Only after all the evidence is in, not before.

It is high time that we make membership in our Association more meaningful. This will only come about if the Council can successfully get the government of the day to bring in a fair and responsible law of the professions. No effort in this direction should be spared because if the proposed law of the professions is not sound, all else will be of no avail as far as the practice of engineering and the Association is concerned.

To actively pursue the establishment of corporate practice under the Act at this time would be most unwise.

If it could be shown that a registering under the power of the professions act those firms or companies consisting of registered Professional Engineers who exist for the sole purpose of providing engineering services for a fee, would be beneficial in carrying on business, then say so. Indeed, why cannot such a listing of engineering firms who satisfy a specific requirement laid down by Council be kept now by the Managing Director of our Association? Such a list could be made available to the public and be just as useful whether it is being done under the Act or not.

Many such voluntary associations now exist for their own protection, ease of

doing business, and as a service to the public.

If that is what you want to do, Mr. President, then say so and let the membership decide, based on the facts and proven need.

G. A. DePauw, P. Eng.

1. From "CCPE — MODEL DEFINITIONS"

Professional Engineer (Engineer)

The term 'professional engineer' and 'engineer', as used in this Act, shall mean a person who is a member or licensee of the Association of (province or territory, as applicable).

Engineering

Engineering is the application of scientific principles and knowledge to practical ends as in the investigation, design, construction or operation of works and systems for the benefit of man.

Without restricting the generality of the foregoing, the term 'practice of engineering', within the intent of this Act, shall mean the provision of services for another as an employee or by contract; and such services shall include consultation, investigation, reporting, evaluation, planning, design, responsible supervision, management, research and development of engineering works and systems, and the teaching of advanced level engineering courses in any branch of engineering applicable to such works and systems; but does not include services by other technical personnel whose work is being carried out under the ultimate responsibility of a professional engineer (engineer).

2. From "PROFILE OF AN ENGINEERING TECHNOLOGIST"

Engineering Technology is that part of the technological field which requires the

application of scientific and engineering knowledge and methods combined with technical skills in support of engineering activities. The engineering technologist functions in the occupational spectrum above the craftsman and close to the engineer. Engineering technologists are identified according to their field of engineering technology, i.e. - mechanical, electrical, civil, chemical, etc. . . .

The occupational functions of the engineering technologist vary widely. In a technical capacity he may progress from the relatively simple tasks of the recent graduate to more complex technical responsibilities, where the exercise of judgment and the making of decisions are required.

In future issues of the Bulletin Letters to the Editor will be pruned to 250 words.

REPORT WRITING COURSE

One of our Committee Members is taking an evening course in technical

writing at Red River Community College and is finding it very worthwhile. The objective of the course, which is not a grammar course, is designed to improve business communications for technical people who write reports, letters, and memos.

Elimination of low-information content words and hackneyed phrases, improved coherence, and use of the "pyramid" writing technique are some of the topics covered in the course. The text used is "Technically Write" written by Ron Blicq of Red River Community College.

The course is taught from time to time by members of the Technology Communications Department at Red River Community College. A similar correspondence course specially for engineers is offered privately by the Roning Group of Communications Consultants and is also taught by members of that Department. They can be contacted at P.O. Box 181, Station C, Winnipeg, Manitoba, R3M 3S7. Telephone 452-6480.

THE CRYSTAL BALL

Jim Linton and his band of gypsies did a great job of organizing the Gypsy Ball. Barbara Bouskill won the prize as the best dressed lady and Art Stevinson was the best dressed gentleman. Al Dyregrov was a close second with his mandolin. Bob Morrison came as an undertaker gypsy in a sober pin striped suit, complete with vest, and one dangling earring.

The Social Committee arranged it so the guests could have the best of both worlds. Those who wanted to dress according to the theme did (about 25%) and those who preferred more conventional dress had that choice. By providing two card readers in tents for the ladies, the Committee also made it possible for engineers who don't want to dance to provide their wives with alternative enter-

tainment. Look for a lot of new cars and promotions, and some additions to the family next December.

The band provided swinging music which, on occasion, was even too much for some of our more athletic members. Ken Adam had to opt out of the polka because his "old hockey legs wouldn't carry him any longer." He tried to opt

—Continued

HORRORSCOPE

The centrefold in this issue is a reproduction of the placemat from the Gypsy Ball. Members of the staff fall into the categories of Aquarius, Cancer, Leo and Scorpio, which may account for a lot of things.

TAURUS: APRIL 20 - MAY 20

YOU ARE IDEALISTIC AND PERSISTENT
YOU HAVE A DOGGED DETERMINATION AND
NEVER KNOW WHEN TO QUIT. MOST PEOPLE
THINK YOU ARE STUBBORN AND BULL-
HEADED. YOU ARE A SOCIALIST.

GEMINI: MAY 21 - JUNE 20

YOU ARE QUICK AND AN INTELLIGENT
THINKER. PEOPLE LIKE YOU
BECAUSE YOU ARE BI-SEXUAL.
HOWEVER, YOU ARE INCLINED TO
EXPECT TOO MUCH FOR TOO
LITTLE. THIS MEANS YOU ARE
CHEAP.

ARIES: MAR. 21 - APRIL 19

YOU ARE THE PIONEER TYPE AND HOLD
MOST PEOPLE IN CONTEMPT. YOU ARE
QUICK TEMPERED, IMPATIENT AND
SCORNFUL OF ADVICE. YOU ARE NOT
VERY NICE.

PISCES: FEB. 19 - MAR. 20

YOU HAVE A VIVID IMAGINATION AND
OFTEN THINK YOU ARE BEING FOLLOWED
BY THE C.I.A. OR THE F.B.I. YOU HAVE
MINOR INFLUENCE OVER YOUR ASSOCIATES
AND PEOPLE RESENT YOU FOR FLAUNTING
YOUR POWER. YOU LACK CONFIDENCE AND ARE
GENERALLY A COWARD. PISCES PEOPLE DO
TERRIBLE THINGS TO SMALL ANIMALS.

AQUARIUS: JAN. 20 - FEB. 18

YOU HAVE AN INVENTIVE MIND AND ARE
INCLINED TO BE PROGRESSIVE. YOU LIE
A GREAT DEAL. ON THE OTHER HAND, YOU
ARE INCLINED TO BE CARELESS AND
IMPRACTICAL, CAUSING YOU TO MAKE THE
SAME MISTAKE OVER AND OVER AGAIN.
PEOPLE THINK YOU ARE STUPID.

CAPRICORN: DEC. 22 - JAN. 19

YOU ARE CONSERVATIVE AND
AFRAID OF TAKING RISKS. YOU
DON'T DO MUCH OF ANYTHING
AND ARE LAZY. CAPRICORNS
SHOULD AVOID STANDING STILL TOO
LONG AS THEY TEND TO TAKE ROOT
AND BECOME TREES.



CANCER: JUNE 21-JULY 22

YOU ARE SYMPATHETIC TO OTHER PEOPLE'S PROBLEMS. THEY THINK YOU ARE A SUCKER. YOU ARE ALWAYS PUTTING THINGS OFF. THAT'S WHY YOU WILL NEVER MAKE ANYTHING OF YOURSELF.

LEO: JULY 21-AUG. 22

YOU CONSIDER YOURSELF A BORN LEADER. OTHERS THINK YOU ARE PUSHY. MOST LEO PEOPLE ARE BULLIES. YOU ARE VAIN AND DISLIKE HONEST CRITICISM. YOUR ARROGANCE IS DISGUSTING. LEO PEOPLE ARE KNOWN THIEVES.

VIRGO: AUG. 23-SEPT. 22

YOU ARE THE LOGICAL TYPE AND HATE DISORDER. THIS NIT-PICKING IS SICKENING TO YOUR FRIENDS. YOU ARE COLD AND UNEMOTIONAL AND SOMETIMES FALL ASLEEP WHILE MAKING LOVE. VIRGOS MAKE GOOD BUS DRIVERS.

LIBRA: SEPT. 23-OCT. 22

YOU ARE THE ARTIST TYPE AND HAVE A DIFFICULT TIME WITH REALITY. YOU ARE PROBABLY A GAY PERSON. CHANCES FOR EMPLOYMENT AND MONETARY GAIN ARE EXCELLENT. MOST LIBRA WOMEN ARE GOOD PROSTITUTES. ALL LIBRAS DIE OF SOCIAL DISEASES.

SCORPIO: OCT. 23-NOV. 21

YOU ARE SHREWD IN BUSINESS AND CANNOT BE TRUSTED. YOU SHALL ACHIEVE THE PINNACLE OF SUCCESS BECAUSE OF YOUR TOTAL LACK OF ETHICS. MOST SCORPIO PEOPLE END UP WORKING ON THE BULLETIN.

NOV. 22-

SAGITTARIUS: DEC. 21

YOU ARE OPTIMISTIC AND ENTHUSIASTIC. YOU HAVE A RECKLESS TENDENCY TO RELY ON LUCK SINCE YOU LACK TALENT. PEOPLE LAUGH AT YOU A GREAT DEAL. THE MAJORITY OF SAGITTARIANS ARE DRUNKS OR DOPE FIENDS.



—Continued

out several times but whenever he headed for the sidelines to bench himself some of his friends who had never opted in waved him back into the fray.

In answer to the many inquiries received at the office as to the identity of the engineer who turned flamenco dancer and did his act on a chair during dinner, we are pleased to advise that it was Signor Al Francis and he is available for bookings.

Mike Schioler was so determined to arrive at the right place for this event, and on time, in order to avoid any more flak from his friends that he was there before the doors were unlocked.

Ed Pentland found the dance floor too crowded for his combination highland fling and cha cha, so he moved to the carpeted area. It was nice to see Susan and John Fulton from Thompson again. Bob McKibbin came in early from Carman to take up his duties as lifeguard around the pool just in case some member of the Committee fell in during the afternoon while they were making preliminary arrangements.

Barry Rowley wore a wig for the dress rehearsal at home but came wigless to the dance. Bob Crouse was in from Lac Du Bonnet in spite of the inclement weather in a fine display of confidence in the highways department. George Pratt is Taurus, described on the placemat as "idealistic and persistent. You have a dogged determination and never know when to quit. Most people think you are stubborn and bull-headed." . . . and something else too terrible to mention. George's birthday is April 20 and contributions may be sent to the Association office.

There was considerable flurry when the word got around that if a man wore his earring on his left ear he was straight, but if he wore it on his right ear — well, this is a family journal. Suffice to say there was much shuffling of earrings.

We are grateful to Gary Warner of Warner Shelter Ltd. who lent us the tents for the fortune tellers and the fans to keep them cool.

The ladies' washroom was out of bounds (or travel at your own risk) for part of the evening. One of the gypsies lost her bracelet down the biffy. Another



Al Dyregrov Entertains at the Gypsy Ball

gypsy came to her rescue and the rescuer lost her arm. At this point expert engineering advice was sought and those engineers seen entering the ladies wash-room were doing so in the capacity of arm and bracelet extricators and not because they had earrings on the wrong ear. The washroom was declared off limits and finally the maintenance staff were summoned and they temporarily closed off the biffy where the bracelet was lodged (after the arm was removed.)

A plumber was summoned and at the time writing we haven't heard whether or not the bracelet was recovered — or even if all the engineers got out of the wash-room.

Jim Linton and his Social Committee are to be congratulated for the imagination and ingenuity they display, and for planning all the details that go to make this annual ball so successful.

— S. J. A.

LYNN LAKE — LEAF RAPIDS NEWS

By I. M. Plummer, P. Eng. (Bird Editor)

There is little to report from this area, except that we expect a few new recruits now that the development of the Ruttan Underground Mine is approved.

Our Editor is to be congratulated on his acute observation. My wife and I assisted in the Christmas bird-count in Leaf Rapids, the results of which were published in both of the Winnipeg papers. Subsequently he allotted me the task of submitting a thesis on the subject.

Initially I was torn between the fun of a facetious reply, or the seriousness the topic demands. After a few rapid observations of the "birds" available, and some cutting comments from my wife, I decided that the use of pant-suits and jeans by the female of the species takes a lot of the pleasure out of that ocular pastime.

So, on to the winged variety. Please don't misunderstand my enthusiasm about birds — if I see one, I want to know what it is, but I don't sit for hours freezing my — waiting for our winged friends to come within binocular range. I find the best place is my own easy chair. By strategically placing a couple of bird-tables and several nesting boxes, and instilling in my wife a desire to feed the "poor cold birds" through the winter, I can do most of my watching with glass (not glasses) in hand.

Surprisingly, in the dead of winter, there is quite a variety of birds here. Some stay all year round, and for others this is "Florida". Regularly chickadees, sparrows, and jays visit the feeding tables, and on Mondays and Fridays ravens migrate from miles around to ravage the waiting garbage cans. Ptarmigan are often seen on the roads, while the "explosion" of a spruce hen as it leaves its snowy resting place, has startled many a cross-country skier. Some of the woodpeckers remain too, scattering chips of bark across the snow in their frantic search for insects. The two species of owl — Snowy and Great Grey — are often heard but seldom seen, although their ghostly wingprints in the snow often mark the fate of some unfortunate mouse.

NEW MEMBERS

The following have been admitted to membership as Registered Professional Engineers: L. N. Chanasyk, P. P. Gajerski, D. V. G. Hamilton, R. B. Johnston, W. M. Jones, N. Pal, T. R. H. Sabzwari, D. H. Verner, W. N. Barritt, V. C. K. Chan, R. K. Chugh, M. A. DePauw, V. K. Ghai, R. A. Gonzalez, A. E. A. M. Hammad, P. Langford-Jones, S. F. Leslie, D. A. Lowen, M. B. Oleski, D. G. Osman, C. L. Sabanski, I. Silverman, G. G. Southard, T. S. Sridhar, T. B. Ventura, H. Swartz, B.

R. Bereznycky, T. M. Carey, I. T. Hosain, I. T. Kent, D. I. MacIntyre, D. J. McIntosh, D. R. Akins, W. D. S. Brereton, S. Freitag, J. G. Greenwood, G. M. Hughes, D. Kluge, P. Laznicka, G. R. McCulloch, B. E. Shumilak, M. C. Van Der Nagel, G. A. Warner, D. R. Watt.

LICENCES ISSUED

H. Balodis (Ont.), R. P. Benson (B.C.), D. A. Lindberg (Alta.), M. T. Olson (B.C.), R. W. Savage (Ont.), R. Walker (Ont.), I. Wild (B.C.), W. A. H. Filer (Ont.)

ENGINEERING GRADUATES

The following have been enrolled as Engineering Graduates: J. P. W. Jakiela, R. J. Kowal, R. L. LeBlanc, R. R. L. Renz, P. G. S. Trainor, R. C. Bachman, D. R. Bryant, S. R. Dowhey, G. J. Fallis, E. W. C. Fung, P. T. T. Chung, R. Nekoo.

I.T.E. CONFERENCE

The second Annual Conference of the Institute of Transportation Engineers of Canada will be held June 1, 2, and 3, 1977 at Winnipeg's Holiday Inn.

The program will include technical papers plus two panel discussions on "Transportation and Land Development" and "Citizen Participation - Advantage or Hindrance".

Registration information is available from Mel Hirt, P.Eng., 10 Fort Street, Winnipeg, Manitoba, Telephone - 985-5028.

AN UNBIASED VIEW

I had grown up among engineers and I could remember the engineers of the 20's very well indeed. Their open, shining intellects, their free and gentle humor, their agility and breadth of thought, the ease with which they shifted from one engineering field to another, and, for that matter, from technology to social concerns and art, then, too, they person-

ified good manners and delicacy of taste; well-bred speech that flowed evenly was free of uncultured words; one of them might play a musical instrument, another dabble in painting; and their faces always bore a spiritual imprint.

Alexander Solzhenitsyn

BRANDON NEWS

By E. Tymofichuk, P. Eng.

Last November 18 the Brandon Committee sponsored an evening with Ron Blicq, well known lecturer and expert in techniques in communications skills. Approximately 30 people enjoyed a fine presentation by Mr. Blicq at Assiniboine Community College. Hopefully, they are putting some of his techniques into use in their own jobs.

On the evening of March 16, Ted Glass, Terry Algeo and Councillors Isaak, Gilliland and Saltzberg paid a visit to Brandon to highlight one of our functions. A reception was held at the Red Oak Inn for all professional engineers in the Brandon Area.

Two members of the profession have been appointed to serve on the Jeux Canada Winter Games 1979 organization in Brandon. Jim Ross has been appointed Vice-President in charge of Sports, and Ed Tymofichuk as member of the Board of Directors. Jim has a big, big job in heading the organization of all the sporting events in the Winter Games.

And we wish to welcome to Brandon, Bob Kury of Reid Crowther and Partners. We hope to see you at all our functions.

MERIT AWARD

The A.P.E.M. Awards Committee is open for nominations for the above award from the general membership. All nominations must be accompanied by substantiating information and submitted to the Awards Chairman, A.P.E.M., 710-177 Lombard Ave., Winnipeg, Man. R3B 0W9 by May 2nd, 1977.

Terms of Reference

1. The Awards Committee shall make recommendations to Council each year regarding awards to mark outstanding achievements by engineers of Manitoba.
2. An award may be made on an individual basis or on a group basis in which case it shall be made to key members.
3. In general, an award should be made to engineers of Manitoba but this should not necessarily exclude a Canadian engineer for his achievements for the people of Manitoba.
4. The basis on which merit for an award may be judged shall be:
 - 4.1 A contribution to the literature showing outstanding scholarly achievement;
 - 4.2 Magnitude of works successfully completed;
 - 4.3 The pioneering achievement in fields of engineering or of engineering application;
 - 4.4 Outstanding public service.
5. The procedures that will apply to the Committee on Awards are:
 - 5.1 All members of the Association have the right to nominate an individual or a group for an award.
 - 5.2 These nominations should be in Council's hands prior to June 1st of any year.
 - 5.3 The Committee on Awards may initiate nominations.
 - 5.4 The Committee on Awards shall review nominations and make recommendations to Council.
6. The awards will be presented at the annual meeting.

**NATIONAL ENGINEERING AWARD
PROGRAM
— CANADIAN ENGINEERS' AWARD —
1977**

The Selection Committee is now ready to receive nominations of suitable

candidates for the Canadian Engineers' Award to be awarded in 1977 at the Fall Meeting of C.C.P.E. The final date for receipt of such nominations has been set as May 2nd, 1977.

Nominations may be submitted to the A.P.E.M. office. The Selection Committee has prescribed the detailed procedure to be followed for nominations:

"Each nomination shall be accompanied by a concise description of the work and achievements of the nominee which, in the opinion of the nominators, qualify the nominee for the award, together with such supporting evidence as they may wish the judges to consider."

The criteria with respect to the Award recipient are as follows:

1. He must be a Canadian citizen domiciled in Canada.
2. He must be registered as a Professional Engineer in any province or territory of Canada.
3. His major achievements which will be the basis of the Award must have been carried out in Canada or on behalf of Canada.
4. The Award recipient must have shown himself to be outstanding in his chosen field and, by his writings or other endeavours, have made a highly significant contribution to the advancement of standards of excellence and ethical conduct in the field of engineering in Canada.

We regret to record the deaths of
I. Reinart, R. W. Hutchinson and
E.J.W. Akins.

**NORTH AMERICAN LIFE ASSURANCE COMPANY
REGISTERED RETIREMENT SAVINGS PLAN**

Options 1, 2 & 3 — The latest and historical fund unit values for options 1, 2, & 3 are as shown below. Where the last day of a quarter did not fall on a Friday, the unit values quoted are those of the preceding Friday.

<u>\$ Unit Values</u>	<u>Option #1</u>	<u>Option #2</u>	<u>Option #3</u>
	<u>Nalaco Growth Fund R</u>	<u>Nalaco Fixed Income Fund</u>	<u>Nalaco Diversified Growth Fund</u>
December 27, 1974	10.91	10.07	N/A
March 28, 1975	12.97	10.63	N/A
June 25, 1975	14.02	10.67	N/A
September 26, 1975	13.62	10.64	N/A
December 26, 1975	13.15	11.06	10.03
March 26, 1976	14.40	11.39	10.53
June 25, 1976	14.43	11.72	10.86
September 24, 1976	14.07	12.12	11.09
December 31, 1976	13.63	12.71	11.47
February 18, 1977	13.41	12.82	11.31

Option 4 — 5 Year Guaranteed Deposit Account

The interest rate on deposits to the 5 Year Guaranteed Deposit Account during the month of March is 8¼%.

**GREAT-WEST LIFE ASSURANCE COMPANY
REGISTERED RETIREMENT SAVINGS PLAN**

All deposits are fully guaranteed and, in 1977, will be credited with an interest rate of 9½%.

Questions may be directed to Jack Seitz in Winnipeg. Telephone: 942-2211 — 1100 Richardson Bldg., Winnipeg, Man. R3B 0X3.

SEVEN YEARS LATER

Like the majority of the readers of this magazine I once graduated from a University with a degree which qualified me for a career in engineering.

At the time I can honestly say it was not a particularly gratifying day to me. It would be more aptly described as relief. University in the main was a trauma such as I have never experienced before or since. It went against everything that is

natural to me. Studying, writing exams, learning things which have no apparent real value and generally the erosion of a free spirit into the pigeon hole which surely must come upon graduation.

I anticipated the end for many reasons. I am not embarrassed to admit that the financial dilemma of paying for books, tuition and the like, while having a wife work to pay the basic needs such as

food and shelter was embarrassing at the least. Only just recently have the debts directly incurred been paid off in full. The frustration, anger, and resentment I felt have never been fully equalled since.

As you go along the degree becomes more important as the commitment to it becomes greater. So much has been given to that piece of paper that when the time comes that the fruits of personal sacrifice of hours, years and more important yourself are picked. It isn't pride that flashes across the faces of the average graduate, it is, as I said earlier, relief.

Many times during the purgatory of University I heard people tell me that "This was the best time of my life". I'm happy to report it wasn't, but neither have the great hopes I had for the post graduate years come about either. The degree in itself presents absolutely no guarantee for future happiness, financially or otherwise.

Like everything else these things have to be earned on the course of hard work

and luck, just like the degree. The system we despised so much as the young idealists going to school strangles you as greatly as the former dilemma. Admittedly the points we aspire to are a little higher. Instead of worrying whether or not we can afford a case of beer for the party on Saturday night, we now worry about how we can buy a new fridge with an automatic ice dispenser, and a special compartment to keep butter hard and soft all at the same time.

We will also have kids to begin the cycle we never quite succeeded at. They will create for us many small triumphs and many small disappointments.

The system has us forever. We remain indebted perpetually. What I am trying to say is the "best days of my life" were not University as the closet sages tried to convince me nor are they today as I was sure they would be. The best days happen sporadically along the way — one day at a time . . .

— R. A. K.

COUNCIL MEETING

Council meeting started at 4 p.m. on March 14. Nothing worth reporting happened until 5:15 when your reporter arrived.

Council set up an Ad Hoc Committee for the Review of Ethics. The members to be past presidents of the Council, with an interim report expected by the May meeting. The Manitoba Design Institute's Awards Programme is to be brought to the attention of members.

Questions on the Code of Conduct relative to responsibilities of engineers working with para-professionals were discussed in the light of MANSCETT's concern in the practice of "Engineering Technology".

The Association's presentation to the Provincial Government on the Work Place Safety and Health Act was well received. Members will be proposed to the Pro-

vincial Government for the Advisory Board in charge of this Act.

President Glass reported on a meeting he and Terry Algeo had with Mr. Cherniak. Mr. Cherniak appeared impressed with the protection of the public intent of the professionals. After some discussion on the Professional Act, the talk turned to the Labour Board set-up. The provision of no appeal of Labour Board decisions is recognized as "protection of the public", but compromises to a degree one's freedom in our society. While society is losing some of its advantages, the process by which the Board arrived at its decision can be appealed.

The question of how the Association can best interface with Government came up. Is a Government Liaison Committee required? Is there a Minister in charge of Professions?

Council will meet with the Engineers at Red River Community College on March 29. Council approved the continuation of Ray Scouten and E. Lexier as representatives on the Winnipeg Building Commission. Ed Lach was appointed to the Civil Engineering Curriculum committee.

Council plans to huddle and generate replies to George De Pauw's letter appearing in this issue of the Bulletin. (See also the President's message).

The P. Eng. Association in B.C. is questioning the need for CCPE committees of consulting engineers and salaried engineers. If considered necessary they suggest the funding come from CCPE budget instead of the Associations. (Either way it comes out of the same pockets).

In Alberta the Engineers and Architects are running a six months' experiment on the joint use of seals on all pertinent drawings, except residences.

Brian Akins has resigned as Chairman of the Safety Committee. Arnold Crosier is Vice-Chairman. The terms of reference of this committee are to be reviewed to try to resolve whether the committee approach is to investigate after the event, or to be one designed to prevent accidents.

Next Council meeting will be April 11 at 4 p.m.

— E. A. S.

RECORD REVIEW

Big Slim Stomper is back — this time with a live album. All of you who follow this column know that I generally feel live albums are a waste of vinyl. This one's different. This album, recorded live at the Ethelbert Perogy Festival and Softball Tournament, is Big Slim at his best. Not only is the production superb but the material both old and new is an A & R man's dream. Old favorites such as "Will There Be Sagebrush in Heaven" and

"There's a Love-knot in my Lariat" take on a new dimension. Other excellent renditions of dusty discs from the rusty relic rack include Montana Slim's "Echoing Hills Yodel Back To Me", Billy Edd Wheeler's "Little Brown Shack Out Back" and Mario Lanza's "The Kiss". Another stupendous blast from the past is Big Slim's treatment of "There Wasn't An Organ at Our Wedding", the Hank Snow hit of some years back.

Of the new material, I think "Boy We've Got Us a Convoy to Teddy Bear's and Little Rosa's House" is a can't-miss hit. If released soon, it's sure to go platinum within two weeks. The other cuts, all penned by Big Slim, are excellent, especially Slim's a cappella lament on the French-English question in Canada, "Ridin' Herd on Deux Nations", which features a scintillating accordion break by Billy Joe Kowalchuk. All in all this is an album which deserves a place in anyone's collection.

—L. J. W.

TWENTY YEARS AGO

As a result of representations made by professional bodies (including engineering) the Income Tax Act was amended to permit the deduction of professional fees.

New members in the Association included A. J. Carlson, F. M. Fowler, J. T. Atchison, C. Vogel, J. E. Gold, M. Block, E. E. Robertson. Lloyd McGinnis was enrolled as an Engineer in Training.

G. T. Christie was appointed Editor and Chairman of the Bulletin Committee, R. S. Williams was chairman of the Membership Committee.

Jack Hoostraten left the University of Manitoba to assume his new position as President of Nova Scotia Technical College.

Mr. & Mrs. T. E. Storey won the polka contest at the Annual Ball.

CLASSIFIED ADS

FOR SALE – embroidered shirt and one earring (for left ear). Contact Al Dyregrov.

SWAP – Wife, slightly used, blonde. All replies treated in strict confidence.

SWAP – Used husband. Contact Engineers Wives Association. Replies not quite so confidential.

SWAP – Architect with pantyhose wishes to trade for right earring.

PERSONAL – Will the good-looking, charming Engineer who borrowed the

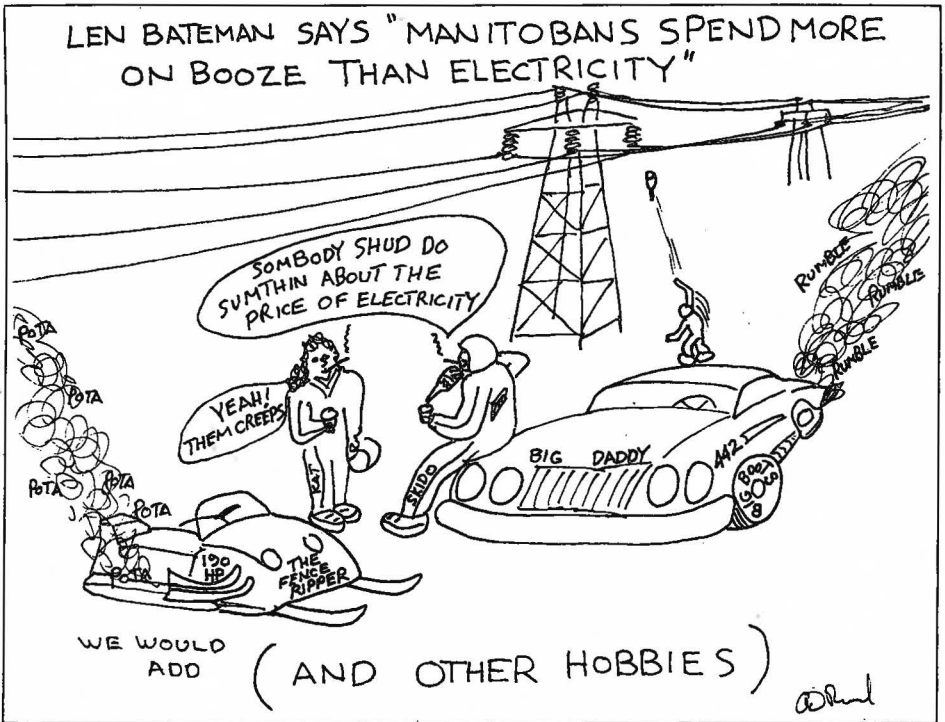
film on engineering from the office, please return it in person to the office. The girls would like to see both you and the film again.

PERSONAL – Jean. All is forgiven. Please meet me Friday at 8 under the pulse transducer ABCB on the left bank abutment. Signed – Slide Rule.

PERSONAL – Roger! $E = IR$ to you too.

Time Limit

Material for publication in the June issue of the Bulletin should be in the Association office by May 16, 1977.



SCHOLARSHIPS AVAILABLE

North American Life Assurance Company is again providing seven \$2,000.00 scholarships for Canadian engineers who wish to return to university for advanced studies, and who are members of one of the Canadian Associations. For further details contact North American Life, 105 Adelaide St. W., Toronto, Ont. M5H 1R1.

RITUAL OF THE CALLING OF AN ENGINEER CAMP No. 8

The Iron Ring Ceremony for the 1977 University of Manitoba, Engineering Graduating Class, was held on March 19th, 1977, at the Tache Hall Auditorium, University of Manitoba Campus.

One hundred and seventy graduating students and 14 practising engineers took the Obligation. Fifty-five Camp No. 8 members and other obligated engineers attended the ceremony.

At the conclusion of the ceremony, T. Glass, P. Eng., President of A.P.E.M. addressed the graduating class. The ceremony was followed by a coffee hour.

A number of requests were received from practising engineers for permission to take the Obligation on March 19th, 1977. Because of time restraints these requests were not granted. In order to process applications for the March 19th ceremony it was necessary to receive the applications prior to February 28th, 1977. Camp No. 8 is now receiving applications for the 1978 ceremony. If sufficient requests are received prior to September 30th, 1977, the Camp may hold a ceremony in early November for those practising engineers and the January 1978 Engineering graduating class. If you have not taken the Obligation and wish to, please contact N. P. Feschuk, Secretary-Treasurer, Camp No. 8, 6th Floor, Civic Centre, Winnipeg, Manitoba R3B 1B9 (Telephone 946-0281) as soon as possible.

— N.P.F.



Mr. and Mrs. Saldat look on as Mrs. Art Stevinson straightens the rose in Art's hat prior to the judging in which Art won first prize at the Gypsy Ball.