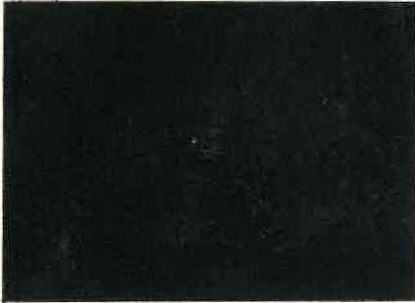




**THE
MANITOBA**

PROFESSIONAL
ENGINEER



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

april, 1972



Published by the Association of Professional Engineers of the Province of Manitoba
710—177 Lombard Avenue, Winnipeg, Manitoba R3B 0W9

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

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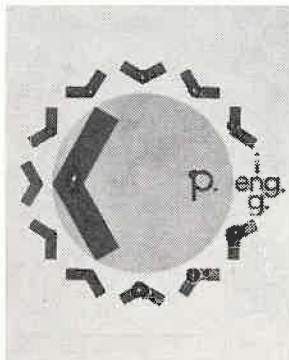
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WINNIPEG, MANITOBA, APRIL, 1972

What is C. C. P. E. ?

by H. L. MORRISON, P. Eng., President
Canadian Council of Professional Engineers



I have been asked many times, "what does the Canadian Council of Professional Engineers actually do for the profession and the individual engineer?" Often the question arises in the course of a discussion on the proliferation of engineering societies or the cost and effectiveness of the provincial Associations. The simple reply is that CCPE performs those tasks which are assigned to it by the eleven provincial and territorial Associations. It is important to judge the Council in this context because it cannot initiate programs of its own and does not direct the activities of the Associations in any way.

When the objectives of a majority of the Associations coincide, it is logical that

joint action will produce a greater impact than would eleven separate programs or statements. Thus it has been possible to achieve near uniformity in registration standards and transfer procedures. Because the Associations are concerned with the maintenance and improvement of the standard of engineering education the Canadian Accreditation Board has been successfully established. Also the transfer of information between the Associations has been facilitated so that successful programs in one province may be started in other provinces without "re-inventing the wheel".

Submissions to the federal government or to international organizations possess

greater authority if they come from a single voice of the profession. This is the second area where the Council serves the Associations and the profession. During the past year briefs were submitted concerning taxation, the Canada Labour Act and the proposed Competition Act among others. A comprehensive brief on science policy should be submitted within the next few weeks. By using the resources of the Council and the Associations we are able to present opinions which are thoroughly researched and represent a consensus that is acceptable to engineers in all parts of Canada.

It is unlikely that all of the goals of engineers in one province or region will be the same as those in some other province — (one need only examine the history of federal-provincial relations to confirm this fact of Canadian life). Therefore the activities of CCPE must be limited in some fields which are of great concern to individual engineers. We can, however, promote a transfer of information and arrange for bilateral co-operation between groups with similar problems. We can also perform this co-ordinating role between the technical or other societies to the extent that they may wish it. As the single organization which represents every engineer in Canada we have a part to play in virtually all matters which relate to engineering, such as counselling, education, continuing studies, employment standards, manpower and many others. Often this role is a quiet one of co-ordination, suggestion or organization.

When the goals of the Associations do coincide, the Council is able to perform a service for all of the members of the profession, as is demonstrated by the various insurance programs which are available at very attractive rates. More recently a comprehensive study was made to determine the unemployment situation in the engineering community and to identify the location and qualifications of engineers who were seeking work. This is being followed up through a co-operative effort with Canada Manpower to see that the resources which that agency provides are effectively utilized for the engineering sector.

The Associations and CCPE, which are financially supported through mandatory fees, cannot and should not become involved in the technical aspects of our profession, except to ensure that proper levels of competence are maintained. It is the duty of the technical and learned societies to advance the state of the art

and science of engineering and to provide for the dissemination of information and ideas.

In considering the spectrum of activities and services which can be provided by the various associations and societies which represent Canada's engineers, it is important to recognize the compulsory aspect of the licensing Associations which have rigid membership requirements, as compared to the voluntary technical societies which can include people of many vocations and aptitudes. If we are to take full advantage of the strengths of both types of organization it is obvious that they cannot be completely amalgamated into a single body. It is only in the centre of the spectrum, in matters of education, information retrieval, science policy, etc. that there is any major overlapping of interest. In these areas it becomes essential that we co-operate with each other. In Canada this co-operation is achieved through local joint committees and on a national basis by the Canadian Engineering Societies Committee which includes representatives of the major technical societies as well as CCPE.

What about leadership? Can CCPE or its officers provide leadership to the profession? Clearly this is desirable and over the years the officers of the Council have tried to do this, always keeping in mind that they speak on behalf of eleven different Associations. Their most important role however is one of communication and transfer of ideas and opinions. "A Canada that works together stays together".

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COUNCIL MEETINGS — JAN. 11 AND FEB. 1, 1972

THE USUALLY ROUTINE ITEM OF RESIGNATIONS AND REINSTATEMENTS HAS COME TO THE FORE!

Mr. De Pauw led the fray and won the day for increased scrutiny and demands on these items. Resignation now requires a satisfactory explanation, and return of the seal and certificate. Reinstatement will not be guaranteed. I can sympathize with Mr. Algeo — where and how to store those seals and certificates!

There has been apparent irresponsibility on the part of some **employers** in using persons as P. Eng. who either cannot qualify or have not registered. This council will try to enforce the Act and also have

the Act re-written in clearer and sharper terms. A special meeting of council was held on February 7 to endeavour to set some very basic definitions. Council is well represented by strong views on at least two, and likely several, diverse definitions of engineer, technologist, technician, for example. A letter sent by the Registrar to the Chairman of the Professional Associations Committee of the Legislature was the catalyst for this very heated debate, with De Pauw and Newton very capably stating somewhat opposing views.

Mr. J. S. Hicks has accepted a position on Council, replacing Mr. L. S. Earp, who is transferred. (Mr. Hicks had the largest number of votes amongst the defeated candidates).

The CCPE Annual Meeting will be held in Winnipeg this year — May 11 and 12th. Council is making arrangements for an evening of fun May 11, and is hoping for large attendance by local P. Eng's and spouses.

Our own Annual Meeting has been scheduled for Monday, Nov. 27. —D.A.C.

★ ★ ★



Roberts Foster and Morrison, with their wives at the Jet Set Ball. Both Bobs are wearing the new Wardrop company uniform, which is the "In" thing at Harry's Bar in Hong Kong.

ERIKA CALVERLEY — A NOBLE SPIRIT

Soft and gentle as a fleecy cloud
Drifting across the sky on a summer's day;
Yet strong and steadfast as a rock
Standing firm against the stress and
buffeting
Of wind and storm-lashed sea.
She moved among us like a thing apart,
An oasis of peace in a troubled world;
And all whose paths she crossed
Found their lives enriched by the encounter.

★ ★ ★

Erika Calverley will soon be leaving the employ of the Association. For five years she has worked for the APEM, and "work" she did in a very old-fashioned and real sense of the word.

She arrived at the office about half an hour early each morning and she did not average one coffee break a year. Her kind of dedication is almost a thing of the past — of days gone by when people took pride in their work and had a different and a better sense of values. Mrs. Calverley has the courage to bring these values with her into the present. She is a genuine person who succeeds in doing what Shakespeare enjoined in Hamlet. "This above all to thine own self be true, and it must follow, as the night the day, thou canst not then be false to any man." In a world where there is so much emphasis laid on status, on material competitions with the neighbors, Erika Calverley lays emphasis on such values as truth, loyalty, integrity, generosity, unselfishness.

She will be sorely missed, not only for the vast amount of work she did, for her constancy, her loyalty, but also for the example she sets in real living.

We say farewell to her with genuine regret and wish her well in all her future endeavours. —S.J.A.

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During Amchitka week we noticed picketers around the American Consulate and at first we assumed they were demonstrating in favour of peace and a clean environment, but their purpose became obscure when we learned that a Molotov cocktail had been thrown through a window in the Consulate as this could hardly be construed as a peaceful act and we ruled out the "clean environment" theory when they built obscene snow sculpture beside the Consulate.

MEMBERSHIP IN THE ASSOCIATION

There has been some discussion by Council and others as to the requirements for registration, transfers and reinstatements.

REGISTRATION:

Examples:

1. We have in our membership a man who refused to join while practising, yet later requested membership in order to gain our relatively inexpensive term insurance!
2. Another man had graduated and practised for two years, then changed professions. Years later, he wanted to change jobs and thought it would help to have his A.P.E.M. He qualified under the by-laws, and kept it until he had his new job.
3. Others have maintained membership from days when they practised, yet do not practise any more, and may live halfway around the world.
4. Most of us, to join, work two or more years after graduation, obtain the necessary references, send in the application form, and receive our credentials by mail.

TRANSFERS:

As long as you are in good standing in one Provincial Association, it is a simple matter to become a member of another one, particularly if you change residence to that province. In most cases, although you are supposed to turn in your stamp and certificate from the province you have left — the Association neither requests it nor wants it, as it presents a storage problem. (I left Manitoba for Ontario and kept the Manitoba credentials. On my return to Manitoba, the question was never even asked whether I needed a stamp and a certificate — it was assumed I had kept them! Our Council is now requesting that these be returned. (I still have my Ontario credentials, of course. Imagine the storage problems they would have!)

REINSTATEMENTS:

Case I Resigned previously or just quit paying dues.

We have just tightened up here. It used to be pretty automatic that, upon payment of back dues you would be re-instated. Now

you must have a good reason for having resigned.

Case II Disciplinary action previously. This, of course, would be discussed in depth at the time the action was taken, and again when re-instatement was requested.

SUMMARY:

I believe that basically we are taking the right approach on Transfers and Reinstatements. I also think that, once one has attained membership, he should have the privilege of maintaining that membership as long as he wishes, provided he commits no offences under our Bylaws and Ethics. I wonder, however, if the Association would be more respected, and membership more desired if it were not so easy to become a member.

Why not have all applicants come before a Review Board? This would be an occasion to discuss the Bylaws and Ethics, and to explain the functions and committees of the Association.

Perhaps a special Council meeting could be called to present the stamp and certificate to new members. This would be a way to make new members feel welcome, and would likely benefit the Association in that many of these people would become active in committees. It is now looked on by many as an impersonal licensing body.

—D.A.C.

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Social Committee members Dave Sexton and George Pratt and their wives at the Ball.



Social Committee Vice-Chairman Bryan Norrie and Mrs. Norrie, Chairman Dave Duncan and Mrs. Duncan and Bulletin Committee editorial writer Dave Farlinger and Mrs. Farlinger — at the Ball.

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ELECTION FORECAST

We present the following election prediction for the forthcoming Federal election. This is based on the averages of the predictions of a group of people who are well informed politically and who have their fingers constantly on the pulse of the nation — namely the Bulletin Committee.

	Predicted Results		Current Standing	
Liberals		123		152
Progressive Conservatives		100		72
N. D. P.		25		23
Other		16		17
	Liberal	Progressive Conservative	N. D. P.	Other
Maritimes	5	26	1	
Quebec	50	9	1/3	14 2/3
Ontario	52	29	7	
Manitoba	3	7	3	
Rest of the West	13	29	14	1

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If students are going to be given a choice of attending classes or absenting themselves, as is now to be the case in West Kildonan, maybe taxpayers could be given a choice of paying school taxes or not — as they see fit.

There is a middle aged engineer in Winnipeg who tells us that when he was young he was told to listen to and respect his elders. Now that he is middle aged he is told to listen to the young people. He wants to know when it's his turn!

IN THE PUBLIC'S INTEREST

In the aftermath of the air traffic controllers strike, a wave of opinion has been created by the press and various business men that certain employee groups such as the air traffic controllers should not have the right to strike. The argument presented is that if the airlines aren't flying the public is inconvenienced; mail is late; travel is restricted; vital medical supplies are delayed. In the short the message conveyed is that the airlines are vital to the nation's economy.

One of the interesting aspects of this argument is that it is often used when dock and railway workers, postal employees, television broadcasting employees, truckers, autoworkers, and a multitude of other workers strike. It is beginning to become very difficult, because of this, to image what group of employees could strike without raising an outcry to the press that the nation's economy or national interests is being threatened by the strike.

Pressure is being brought to restrict the right to strike to an ever increasing number of employee groups. An immediate consequence of this outcry has been the assumption of both management and the employees that no price is too high to pay to prevent a strike with the result that both management and the employees accept settlements (either through negotiation or arbitration) that they feel are not in their interests. More importantly, in the long run the majority of these settlements are not in the public's interest.

It is time the press reviewed their growing list of industries that are operating, in their opinion, in the public's interest. The airlines didn't fly, the mail got through, 10% of Canadians that would otherwise be travelling (on business mostly) stayed at the home office and did what their business trip would have accomplished by using a telephone, letter, telegram or telex. The strike could have gone on indefinitely and the public would have survived. Gentlemen of the press, stop worrying about protecting the public's interest. Believe it or not, we are capable of taking care of ourselves.

—N.P.F.

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We are currently checking the validity of a rumour to the effect that Tom Burgess of the New Labrador Party in Newfoundland and Larry Desjardins, currently of the NDP party in Manitoba, are planning the formation of a national party, known as the Leapfrog Party.

CLASS OF ONES

by N. P. FESCHUK, P. Eng.

The Fort Garry Hotel was the site of the Annual University of Manitoba Engineer's Alumni Association Dinner Meeting which is traditionally held on the Thursday between the headaches of Xmas Past and that of New Year's Future. Approximately sixty alumni attended the dinner. At the head table were Dr. E. Sirluck, President, University of Manitoba; Dean Hoogstraten, Faculty of Engineering, University of Manitoba; D. Smercanski, Senior Stick of Engineering University of Manitoba; D. Sanders, President, University of Manitoba, Alumni Association; T. E. Storey, Honorary President Engineers' Alumni Association; J. B. Scarfe, 1972 Engineers' Alumni President; Wally Strutt, Secretary-Treasurer; and 1970 Engineers' Alumni President, Dave Shearer. Dr. Hugh Saunderson, Past President of the University of Manitoba, who has been a regular at the dinner, was unable to attend because of a bout with the 'flu. He was remembered by two unsung heroes of the class of 1961 who in their freshman year raced across the quadrangle between the Science and Engineering buildings carrying the Science banner pursued by one rather lanky gentleman.

Speeches were short and the business meeting preoccupied itself with whether the annual registration fee should be raised, and whether it wouldn't be better to invest the Alumni's small portfolio in something more lucrative than government saving bonds, for example, CFI. In attempting to aid the fight against inflation, the incoming executive vowed to look into every means at their disposal to keep expenditures down prior to raising the one dollar membership fee.

David Sanders, President of the University of Manitoba Alumni Association, stated that the number of engineers that were members of the Alumni Association compared favourably with other facilities. Approximately 35% of the graduates of the Faculty of Engineering are registered with the Association. He urged the members of the Engineer's Alumni Association to encourage all University of Manitoba graduates to join and support the work of the University of Manitoba Alumni Association.

Dr. E. Sirluck brought greetings from the University of Manitoba. Dean Hoogstraten discussed the decreasing enrollment in the Faculty of Engineering stating that national enrollment in engineering was also

showing a similar decrease. He stated that the Faculty had a counselling program underway at the high schools to ensure that the Faculty got its share of the top students. D. Smercanski compared the student of today with those of other years and noted from the predinner discussions of the antics of yesteryear that in their student years the engineering graduates of the University of Manitoba were not much different from the students of today.

Greetings were received from 8 of the 16 civils and electricals that graduated in 1921. All reported they were married and none were divorced. No one is on welfare. (The last situation would be applauded by S.J.A.)

Class of 31 reports that a number of the class are semi-retired and a number are retiring for the second time. Ted Jones reported in from Toronto; Bill Wishart is moving to Vancouver; Lt. Col. H. D. W. Wethey is with the Post Office; George Fanset reports he's one of the semi-retired; from Mexico comes word on Edward Crossby, from England news on J. R. Bach; and M. D. Bercy, retired, built a schooner and spent some time cruising in the Caribbean.

Twelve replied for the Class of 41. T. Lamb, Australia, A. Sector, Winnipeg, F. Vance, Saskatchewan, E. Garbas, Montreal, S. Sokolowski, H. Kummen, John Hopps, Ken Knight, Tom Yee, Bill Boone, H. Younge, and Harold Olafson.

Most of the mechanical engineering graduates of the class of 51 are still in Canada. The oddest job title reported for this group was Venture Manager. The Civils set a record being the last group to get their replies in. W. H. Cameron is one of the most travelled engineers having worked in the U.S.A., Africa, Turkey, Iran and Pakistan. The class appears to be very safety conscious boasting an accident prevention officer and a Director, Road and Traffic Safety with the British Ministry of Transport. The electricals reported job titles such as Testing and Development Rocket Engineer, Planning and Development Business Information Systems Engineer, Paper Products Manufacturing Engineer, and Research and Development Engineer.

The electricals proved to be the "Egg Heads" of the Class of 61 reporting 2 PHDs., Dr. Mellville, and Dr. G. Buchanan both in England. Waldemar Lehn, Carman Bright and Ken Posgate reported in with Masters'. 61 mechanicals report that only one of the class managed to remain a

bachelor. The class boasts several chief engineers, a number of plant engineers, and a tool engineer. 31 civils replied. A. Arenson was in to attend the meeting from Israel. K. Byram reports from the Yukon that planning is underway for Canada's most northerly road from Dawson City to Inuvik. Gordon "Hawaii" Crabtree is planning a winter vacation to Winnipeg for next January. One civil reported he was still very single.

Class of 71 was represented by R. D. Zimmerman.

Prizes were presented for the best dressed, the best beard, the furthest travelled to attend the meeting and the oldest and youngest graduates of the class of ones attending the meeting, the least and most tickets sold, and other achievements. So numerous were the prizes that this reporter feels that he deserved a prize for not receiving one.

After business meeting, speeches, and prize letting, the group retired to story telling, elbow bending and the good old days were relived.

Tickets for this year's meeting can be obtained from University of Manitoba Engineer's Alumni Association President J. F. Scaife, Vice-President R. (Bob) Zimmerman, Secretary-Treasurer B. L. Tibbs, or Councillors H. A. MacDiarmid, C. R. McBain, T. J. Erskine, and V. S. Buckler. Highlight of the meeting will be the presentation of an award to R. Zimmerman for his pronunciation of Moskalyk.

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THE BALL WAS A BALL

If the Jet Set Ball is an example of their combined talents, it is to be hoped the Social Committee members will remain at the controls until they are eligible for the old age pension. The inspirational theme was carried throughout, from the imaginative notices and invitations to the decor at the Ball. The Committee obviously worked hard and they ended up with a real winner. The food was good, the orchestra was excellent and the general atmosphere was exciting.

There was plenty of room for dancing and there was plenty of dancing. It was apparent that those who attended were having a fine time. The Jet Set Ball will be a hard act to follow, but judging by the work of the Social Committee at the last annual meeting and at the Ball, this group will come up with another winner next year.



Councillor Doug Grimes, Bulletin Committee Wag Ken Jardine, Mike Schioler, Al Dyregrov and their wives (not necessarily in that order) at the Jet Set Ball.

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LETTERS

The following letter was sent to the Free Press in February of this year. It was not published exactly as submitted. We reprint it here in its original form.

Dear Sir:

Recent statements which have been attributed to the Council and Association of Professional Engineers, must be clarified.

Reference has been made to the Statement issued by the Association to its membership, 10 November, 1971. The Statement was referred to at last week's public meetings of the Manitoba Water Commission, particularly at Gimli.

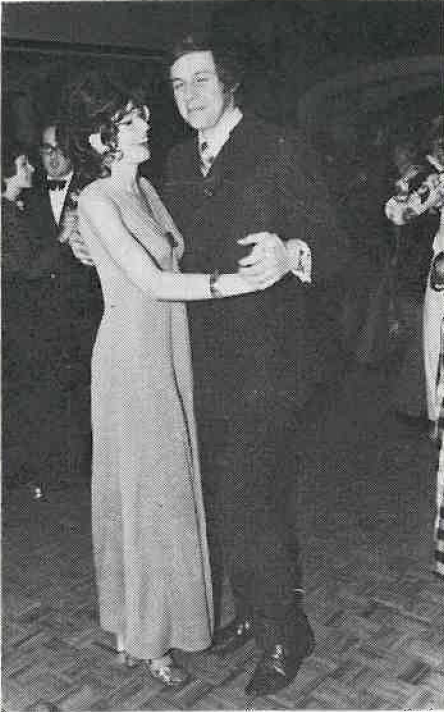
During the summer of 1971, when the professional integrity of some engineers working on the Manitoba Hydro Task Force Report on Expansion of Generating Capacity in Manitoba was introduced as an issue, the Association Council, at the request of its members, called an informal meeting with the engineering members of the Manitoba Hydro Task Force, following which the Statement of 10 November,

1971 was issued. It found that the members of the Task Force had undertaken their assignment with individual and collective integrity and objectivity required of them as members of the Profession, Council recognizing that engineers viewing the same project may honestly hold different opinions.

Council was not asked to investigate nor did it investigate the competence of any engineer who worked on the Task Force report, nor was Council asked or did it pass on the feasibility of any of the projects covered by the Task Force Report. Accordingly, the Council of the Association disassociates itself from any statement purportedly made on its behalf, or attributed to it, either for or against the projects concerned.

Yours very truly,

STEWART BARKWELL, P. Eng.
President



Social Committee member Bryan Johnston, asleep on his feet after his exhaustive efforts in helping with arrangements for the Jet Set Ball.

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SOCIAL RESPONSIBILITY

Dear Editor

Henry Thoreau noted that "the wealth of a man is determined not by the number of things he possesses but by the number of things he can afford to leave alone". I am reminded of this observation when I travel through our great Province and note how natural history features are being ravaged and mutilated as they are being exploited for material gain.

One example will serve to illustrate. The glacial Lake Agassiz beaches are reminders of the remarkable and dynamic recent natural history of our Province. Indeed there is no area in the whole world (except possibly for volcanic areas) whose natural history has been as exciting in the last 10,000 years as that of Manitoba. Within this time the Winnipeg area has emerged from under 1000 feet of ice, through 700 feet of water to surface as the heart of the continent.

The Lake Agassiz beach ridges area are a delicate legacy of this period of natural history. In fact, these beach ridges along the western shore are often so subtle and so delicate that the only people who appear to notice them are the gravel suppliers who ravage them to obtain what is often a poor quality gravel. Of two areas on the west shore where these beaches are of "National Monument" status — west of Morden and east of Neepawa — one area has been practically destroyed.

I submit that engineers and geologists have a social responsibility to draw the attention of the public and government to such natural historical features so that they may be preserved before they are destroyed. It seems incongruous to me that consideration is given to the establishment of a national park in the precambrian area east of Lake Winnipeg which is the only stable area in the Province while delicate and rapidly changing areas in the rest of the province are ignored.

—F. PENNER, P. Eng.

QUALIFICATIONS FOR REGISTRATION

Dear Editor:

I note with some dismay that "Council allowed that time spent on graduate thesis work (exclusive of instruction time) can be counted toward engineering experience".

Is it now possible for a person to come to Canada, have his foreign engineering degree ruled as "non-accredited" take a masters degree, concurrently spend two years working on a thesis (a not inconceivable situation, particularly if he is learning English at the same time) and in two years have both an accredited degree and professional registration?

The purpose of professional registration is to protect the public. This is a serious purpose and is difficult and costly to achieve. I would suggest that it would be useful and appropriate at this time for the Registrar to outline in the Bulletin what the current requirements for registration are, what criteria are used to define acceptable experience and what difficulties are currently experienced in ruling on applications. This may generate some useful feedback from the membership and thus promote participatory democracy.

F. PENNER, P. Eng.



Vera Keys, Frank Fowler, Laurie Templeton, Merv Keys, Lorraine Fowler and an unidentified "sleeper" at the Ball. Fortunately the ladies were unaware of the white mouse under the table.

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The Editor:

I noticed in a recent paper that Mr. Sidney Green said he would resign his portly folio if anyone could get a qualified engineer with a sanity certificate to contradict Mr. Cass-Beggs. Now my daddy is an engineer so I thought I'd offer him and maybe get my allowance raised because my daddy would contradict anybody. So I looked in my daddy's desk for a sanity certificate. I found a Red Cross certificate, a engineer's certificate and a play boy magazine. There weren't no sanity certificate. My mummy says I wasted my time, you won't find any sanity in them engineers unless you find them in beer bottles. She says maybe mr. green wanted sanitary engineers what fill the sewers. She says there is evidents the sewers is already pumped dry for other porpoises.

I wonder if mr. green knew about engineers before he made that bet.

—MARY, Age 10.

EUREKA!

So you think that there is no solution to rising income taxes, lower take-home pay, increasing work load, lack of leisure time, more and more tax money going to welfare, increasing unemployment and government bureaucracy?

Well, try this one:

- a. Find an unemployed person with your training and experience. This should not be a big problem these days.
- b. Hire him to work at your job at your wage rate for the equivalent of your income tax in one year. For example, if you are in the 30% bracket, he would work 1½ days per week and you would work 3½ days per week. More leisure time n'est-ce pas? But with the same take-home pay.
- c. Kindly notify the Federal and Provincial Governments that you are making welfare payments equivalent to your income tax directly to a recipient and that you are thereby cutting out the middle man.

Tennis anyone?

—R.J.R.



Doug Chivers (left front) glues on a big smile while Gerry Kendall winds an arm around Doug's wife. Gary Grais is looking on.

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THE AC 943 MANIFESTO

Any man who carries a copy of the P. Eng. bulletin in his brief case cannot be all bad, and although his ideas may be all wrong, they may be typical of what the average member thinks of this Association. So when the young man sitting beside me started talking as we looked through the February Bulletin, I took notes on what one grass roots member thinks. First the good news!

The President is quite right (see President's message in the February, 1972 bulletin).

Now the rest of the news:

The Association should be built on the premise of service to the member. Through the members the public would also be served.

The act is antiquated and should be held in abeyance while we get our house in order.

Why are the councillors on council? What do they stand for? The bulletin should carry a message from each candidate stating why he should be voted for.

Let's dump CCPE, EIC, IEEE, and the Kipling Ritual. We are not the sons of

Martha. Let's get the Association in shape first.

The bulletin is too long and contains too much fill in material.

The newspaper report on the Annual General Meeting was a disgrace. Our general meeting affairs should not be published. The young man felt so strongly on the matter of mixing politics and engineering that he has written two letters to the bulletin editor. As he didn't mail either of them, we will never know what they said.

The Association only services consultants.

The members of council are too nice.

We turned to the 1972 draft budget and trimmed \$40,000 by trimming staff, additional stenographic and secretarial service, printing and office supplies, postage, Canadian council levy and Camp 8 ritual lunches.

Travel would be redirected to Brandon, Pinawa, and Northern Manitoba. There would be no more trips to CCPE.

On the back page were the results of the collective negotiation's ballot, leading to the comment that we should avoid

collective bargaining like the plague. A knowledgeable union organizer would lead us simple engineers like lambs to the slaughter.

We fastened our seat belts and landed in Regina secure in the knowledge that words are not deeds. —J.W.J.L.



E. I. C. STUDENTS' NITE

The Annual E. I. C. Student Nite dinner, held on January 26th at the International Inn, was attended by 189 engineering students and engineers.

The evening was highlighted by a slide presentation by Dick Bartell, P. Eng., Boeing of Canada Ltd. Mr. Bartell spoke on the aircraft industry in general, the use of structural glass components in the aircraft construction, and described the operations of the Boeing of Canada Ltd., Winnipeg plant and Boeing plants in the U.S.A. Answering questions from the floor, Mr. Bartell indicated that the final selection of a plant site in Canada was between two locations, one in Quebec and the other Winnipeg. Winnipeg was selected because of the availability of labour and the Winnipeg garment industry which would act as a source semi-experienced labour. The Boeing Plant, located west of the International airport, employs a large number of female employees who cut, fold, and prepare the fibre glass cloth with equipment similar to that used in the garment industry. Questioned as to what Boeing's plans are for Winnipeg, Mr. Bartell stated that the present plant occupies approximately 4-5 acres of the 126 acre site and that with a tract of land that large that Boeing would be proceeding to develop the land in some manner in the near future. His views in the S.S.T. were that the U.S.A. government would proceed with the development of the aeroplane in the next three years.

Head table guests were E.I.C. Winnipeg Branch Executives: David Livingstone, Chairman; Arnold Crosier, Vice Chairman; Art Williams, Secretary-Treasurer; F. Maksymetz, Student Chairman; Paul Shane, Vice-President E.I.C. Region II; Dean Hoogstraten, University of Manitoba; Ray Chant, Fellow, E.I.C.; Stewart Barkwell, President A.P.E.M.; and Dick Bartell, Boeing of Canada, Winnipeg, Ltd. R. Kurby Student's Night Chairman, presided.

A number of presentations were made.

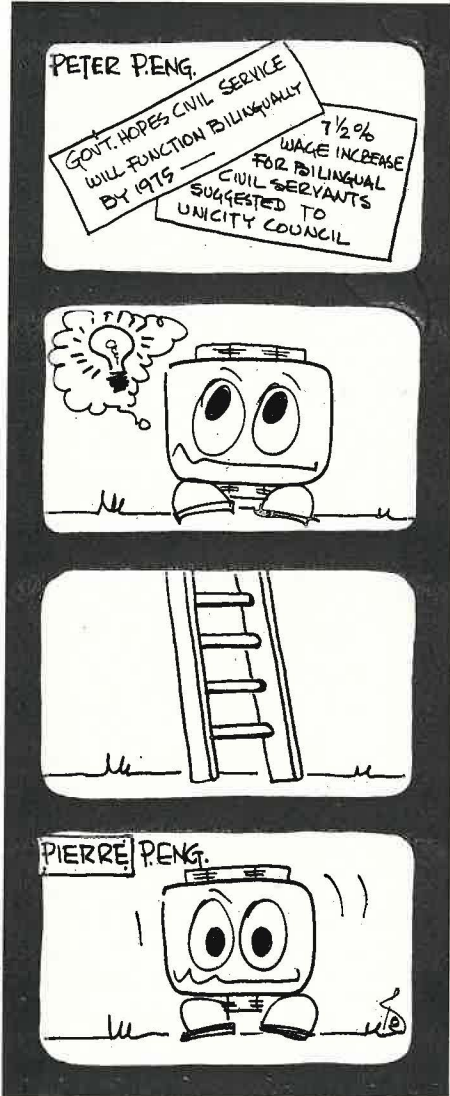
The E.I.C. student prize, awarded on behalf of the life members of the E.I.C. for academic achievement and contribution to student engineering affairs was awarded to F. Maksymetz. In addition, Mr. Maksymetz received the Student Chairman certificate in recognition and appreciation of his contribution to the E.I.C. Winnipeg Student Branch. Mr. Maksymetz in accepting the Student Chairman Certificate thanked his executive, Rick Zebinski, Vice-Chairman; Robin Sukhan, Secretary-Treasurer; R. Chan, Speaker Chairman; Dennis Podolsky, Membership Chairman; B. Junkin, Publicity Chairman; and J. Driedger, Film Chairman, for their contribution and support during the year.

Ray Chant, who was conferred as a Fellow of the E.I.C. at the E.I.C. National Convention, was formally presented with his certificate at the student night. The E.I.C. Fellowship is awarded for engineering excellence and contribution to the progress of the engineering profession which is exemplified by Prof. Chant who obtained his Bachelor and Masters of Science Degrees in Mechanical Engineering from McGill University in 1948 and 1950 respectively. Prof. Chant was a member of Council of the A.P.E.M. from 1959 to 1964 serving as President in 1962; official A.P.E.M. delegate to CCPE in 1961 and 1962; Committee member National Examining Board of the Canadian Council of Professional Engineers 1963-69; was active in the E.I.C. as member of the Branch Management Committee 1959-63; Chairman, Papers Sub Committee, E.I.C. Annual General Meeting, 1960; Chairman, Winnipeg Branch E.I.C. 1962; E.I.C. Councillor 1964-66; Chairman E.I.C. Committee on Continuing Education 1965-70; Chairman E.I.C. Papers Review Committee, 1965-68; Chairman, Co-ordinating Committee E.I.C. Region II, Technical Development Programme 1965-70; and Vice-President, E.I.C. Region II 1968-70. In addition, Prof. Chant served on the Mechanical Technology Advisory Council of Manitoba Institute of Technology 1964-66; Senate of the University of Manitoba 1957-61; Training and Commanding Officer, 106 University Squadron 1956-68; Advisory Committee on Secondary Industry, Province of Manitoba 1968-69; Material Science Centre Committee, Department of Industry and Commerce, Province of Manitoba 1969; and one of Canadian Delegates to UNESCO, International Conference on Trends in Teaching and Training Engineers in 1968. Prof. Chant is Professor and Head, Department of Mechanical Engineering, The University of Manitoba.

Prof. Chant in accepting the certificate stated that he was particularly happy that he was receiving the certificate in the company of his many friends. He felt that the certificate was only a small part of what he received from his association with the A.P.E.M. and the E.I.C. and that he, not the engineering profession as stated on the certificate, was the benefactor.

—N.P.F.

★ ★ ★



GAMES - HITHER AND THITHER

("Thither" is Dedicated to Premier
W. A. C. Bennett)

Robin Hood and his merry men
Are intensifying their tricks;
If they don't call a halt before too long
We'll all be in a fix.

A man works hard at his daily tasks,
And he saves and invests with care;
He gives his neighbor a helping hand
When he sees it's needed there.

After years of labour and planning for
Both a rainy and sunny day,
He reaches a time when he wants to enjoy
What he's earned along the way.

But there are some who notice he's fairly
well off,
That his life looks pretty good;
They don't think it's fair, so right away
They send for Robin Hood.

So Robin and his merry band
Arrive at this man's door
And demand a share of what he's earned,
And soon are back for more.

He watches Robin's merry men,
And is aghast at what he sees;
The money is being tossed around
As if it grew on trees.

Soon the rich will be like the dinosaur,
All creatures of days of yore;
Then when Robin has spent all his funds
Where will he go for more??

When the poor are reasonably well to do
Thanks to Robin and his men,
And theirs are the pockets that Robin robs
What an outcry there'll be then!! —S.J.A.

★ ★ ★

EIC PAPERS

The 1972 annual meeting of the Engineering Institute of Canada will be held in Saskatoon, for the first time in the 85-year history of the EIC. The meeting is scheduled for the first week of October. The Institute invites the submission of technical papers dealing with subjects of topical interest to Canadian engineers. The deadline for submitting abstracts of papers is May 31, 1972. Complete information may be obtained from Dr. V. V. Neis, University of Saskatchewan, Saskatoon, Sask.

NEW FEE SCHEDULES

The new Schedule of Minimum Fees for Consulting Professional Engineering Services and the new Schedule for Services to Architects, which were approved by the membership in October 1971, are now available in booklet form from the Association office.

These booklets may be obtained through the office in quantities of 10, at \$5.00 for each set of ten ordered. Each member of the Association is entitled to one copy upon request at no charge.

BROADLOOM CARPET FOR SALE

When the Association had its booth at Manisphere a carpet was purchased at a bargain price of \$140.00. The carpet is 12' x 20' and is dark red with a subtle orange fleck. It was used for only 1 week. The carpet is now going to be sold. Interested parties may call Archie Pick at 334-4385. (the highest or any bid will not necessarily be accepted.)

NEW UNIVERSITY PROGRAM

The Senate of the University of Manitoba has recently approved a new program in Environmental and Sanitary Engineering which will commence in September 1972, and will lead to a degree or Diploma in Civil Engineering and Master of Science. The program will tend to concentrate on processes and design appro-

priate to a land where water freezes in winter.



The honeymoon is over for both Geoffroy and his bride.

They were grabbed in Barcelona where they thought that they could hide;

So he's back into the pokey to await another leave;

Which won't be long; it's just nine months until next Christmas Eve.



Manpower Minister Bryce Mackasey says the hiring of Pierre Vallieres "is a victory for our system." If this is true, that it is a victory to hire a man who is guilty of skipping bail, who has espoused violence and who is facing charges of sedition and conspiracy to kidnap and murder, while there are hundreds of thousands of unemployed loyal Canadians whose most serious crime is a parking ticket, then there is something radically wrong with our system.



If the bird and animal world functioned like people, mollicoddling the lazy and operating like a socialist kingdom, we wonder how many species would have survived.

PLEASE COMPLETE AND RETURN

The Bulletin Committee is reassessing its own social relevance and trying to plan for the future and would like some indication from the members of the value of the publication. Please indicate your preference and return the form to the office, 710-177 Lombard Avenue, Winnipeg R3B 0W9.

Present number of annual issues (6) is satisfactory

Would prefer more issues

Would prefer fewer issues

Would prefer zero issues

(If you prefer zero issues, please indicate what subjects you would like us not to write about.)

Name

(PLEASE PRINT)

Answers will be accepted and welcomed from professional engineers, their wives or other members of their families.

CRITICISM AND ETHICS

In thumbing through some old Bulletins, I came across a letter by H. Wilson (Nov. 1970).

The Editor slammed Mr. Wilson for this statement: "Because of the nature of the engineer, he tends to sit back and not make comments, unless something pretty serious happens to upset his appercart . . . his sense of professionalism dictates that he should not (make comments)." He goes on later "Engineers should speak out against other engineering decisions where they adversely affect the public at large . . . even though this may be contrary to our present code of ethics."

The editor stated in his reply that "We take the strongest possible exception to Mr. Wilson's suggestion that members of this Association should take any action whatsoever that is contrary to the code of ethics . . ."

I believe, in fairness to Mr. Wilson, that he was misconstrued here — he is merely suggesting that if our present code does not allow this sort of criticism, then perhaps it should be rewritten to permit it.

I think he has a point worth some discussion. I think most people tend to remain uninvolved as long as possible, which is until it affects us personally, very often. In our present society we should be getting more involved with the issues, and that generally leads to controversy.

I at once think of the Lake Winnipeg level control project. Professional Engineers employed by our Government investigated alternates, and presumably presented these with a recommendation to take a certain course of action, which one would expect the Government to follow. There are many people, engineers included, who disagree intensely with the Government's decision. Part of this disagreement is due no doubt to our autocratic government's attitude that they can make decisions and not give any information as to its basis. The Association was concerned enough to talk to Hydro about it.

In looking through our present code of ethics, in item 1.2 I found "He . . . shall avoid association with any enterprise of questionable character."

Of course, the Government has us on item 3.6 — "He shall refrain from expressing publicly an opinion on an engineering subject unless he is aware of all the related facts." They won't tell us!

Actually, the only clause that might prevent an engineer from publicly criticizing another's engineering decision is 6.6, and he is still given the right to criticize to the engineering societies and engineering press (Bulletin?).

I wonder if we would want that clause rewritten to allow criticism to the public of decisions affecting the public. It would be imperative to keep the rest of the code in mind — backbiting is **not** professional.

It would be interesting to hear from engineers who have property fronting on Lake Winnipeg. —D.A.C.

♦ ♦ ♦

Is the provincial tax on liquor just on alcohol or is it also levied on the water that comes to us with our alcohol?

♦ ♦ ♦

Mr. Trudeau established relations with Red China so students would have somewhere to picket in Canada when the Chinese set off nuclear blasts, perhaps taking some pressure off the American consulates.

♦ ♦ ♦

We have heard a lot of criticism of politicians by their political opponents recently for making "political" decisions. As far as we are concerned, that is what we pay them for.

♦ ♦ ♦

A notice appeared in the local press recently to the effect that "The Special Committee of the Legislature on Professional Associations will hold public meetings to receive public representations . . . at Room 254 Legislative Building." We have amended this notice somewhat as there was no "L" in the second "public" in the original which caused one member of our Bulletin Committee to comment that with these types of representations, briefs would certainly be in order and perhaps the hearings should be held in the Winnipeg Arena.

♦ ♦ ♦

Why did the Manitoba N.D.P. go to a chartered bank to borrow money when its funds ran out? Is it possible that the most established of the establishments offers lower interest rates to the poor and needy than credit unions or finance companies? And did they try the easiest mark in the province — the M.D.C.?

♦ ♦ ♦

The 1972 definition of a bigot is someone who knows that some part of Canada extends west of the Great Lakes.

THE CHINESE AND SACRED COWS

This is an era of sacred cows and there are almost as many in Canada now as there are in India. The politicians exploit the sacred cows in this country. The format is to select a group, convince its members they are being exploited by someone else, promise to do great things for the group and then tell the rest of us that the group is sacred, and we are supposed to believe it — and many of us do. There must surely be a politician in this country who thinks some of these sacred cows are more than slightly unholy, but who would dare to say so.

We are not so inhibited on this publication and at the risk of being called racist, we are going to call a spade a spade and come right out and say that we think the Chinese community in this area is mighty peculiar.

It has recently been announced that there will be a ten million dollar building project undertaken in Winnipeg's Chinatown. A spokesman for the local group planning this scheme said the money would be raised from the Winnipeg Chinese community, from Taiwan, from Hong Kong and from selling shares. He was asked if the group would not approach various levels of government for handouts, cost-sharing schemes, or what have you. He replied in the negative. The group will not be asking any level of government for ten cents.

This set us to thinking that we have never seen a Chinese person drunk on the street (or off it) — as a matter of fact we have never seen one enter a beer parlour. We have never seen a Chinese name listed among the impaired drivers nor have we read of one having been sent to the penitentiary. And whoever thought of calling Chinatown a ghetto, or slum.

The Chinese are apparently totally out of step with the times. Perhaps it is because many of these people are new to our borders and they haven't caught on to our ways yet. People who are born here and whose ancestors were born here, have learned to go first to the government for assistance, never to be satisfied no matter how much government aid is forthcoming, to do less and less for ourselves and leave more and more to government.

There must be a reason why the Chinese can not only stand on their own feet and look after themselves and prosper, but

also prefer it that way. Some smart politician should start exploiting this group, find out what makes them tick and then try and sell the rest of us on the system.
S. J. A.

♦ ♦ ♦

The federal government's radio commercials about how generous it is being under the new unemployment insurance act in its payments to pregnant females, married or otherwise, will have taken people's minds off the cold winter we had and with this sort of an incentive program held out to them, we can look forward to an increase in the birth rate come Fall.

♦ ♦ ♦

Mr. Schreyer says if Lake Winnipeg floods and he has to build an Ark, he is not going to invite Sidney Spivak aboard. Mr. Spivak doesn't need to worry about being excluded — after all his ancestors got through the Red Sea on foot.

♦ ♦ ♦

If Mr. Schreyer does build an Ark during some future Lake Winnipeg flooding, we hope Mrs. Schreyer keeps more detailed records than Mrs. Noah handed down to us. We have always been curious about the method of handling the housekeeping with all those animals confined to the vessel for such a long period of time and no doubt the sanitary engineers would be happy to have details of how this problem is solved without polluting Lake Winnipeg.

♦ ♦ ♦

The private broadcasters must be rubbing their hands in glee over the Jalna series. This must surely be the greatest argument ever produced against compulsory Canadian content.

♦ ♦ ♦

In several Winnipeg locations the post office has adjacent mail boxes, one for Metro Mail Only and one for Out of Town Mail, and we have stood in 20 below weather and carefully sorted out mail before depositing it in the two boxes. Then one day we watched the mail being collected from one of these locations. A man drove up in a red truck, took a blue bag and held it under the Metro Mail Only box and emptied the contents into the bag, then he moved the bag over to the Out of Town box and emptied all the mail from that box into the same blue bag, thereby mixing up all the mail.

♦ ♦ ♦

We have reached the stage where some people on welfare can afford things that some workers can't afford.

ON GETTING RICH

Step one — get out of engineering! The odds are something like 1000 to 1 against your becoming a millionaire. To succeed in this arena you would have to go into business for yourself, work a 16 hour day, take enormous risks — one of them being that you would go bankrupt rather than becoming a millionaire. Being a genius is not the key either — we have a few of these — Bob Harland and Bryan Johnston to name-drop two. They are both rich in many areas, but money isn't one of them. So if engineering is not the clue — what then?

The stock market is one answer — or was before it got sick. But we have long suspected that the boys who made the most money out of the stock market were not those who risked their capital on a chance for profits — and ulcers — but rather those who wrote books on how to get rich via the stock market.

Mr. Schreyer and Mr. Cherniak have put a stumbling block in the way of our getting rich via the wealthy ancestor route, if our ancestors hadn't rendered that impossible themselves, by being of sound mind and spending all they had.

One path to wealth is certainly writing best sellers. One simply has to set one's self up as an authority on something or other — how to get rich on the stock market, how to charm your way to social success, this and that about sex — but we know of no best seller on the most effective way to handle raw sewage.

Ruling out lotteries, stock market success and the least attractive route of years of hard work and high risks, we are left with an approach that is already being over-exploited, but hopefully there is room for one more participant. The obvious current route to fame and fortune is to be a leader — head up a cause. Some labour leaders, for instance, are likely paying much more in income tax than most of us are earning, but it might take an engineer a long time to become head of the teamsters union. So we have it narrowed down to a cause. With his fertile imagination, the engineer could surely succeed here.

Ecology and the environment are already over-polluted with spokesmen. Animals is not a sure-fire road to success. While Brian Davies did manage to raise \$400.00 per animal to airlift the Churchill garbage dump polar bears for a temporary southern winter junket, the plight of cats

in St. James has not parted many people from their savings. What with books, lectures, radio and t.v. appearances (and by obviously squandering no money on fashions or hair-dos) several women's liberationists probably have some shekles salted away. So far this cause has no prominent male spokesman, so we throw it out for your consideration.

If you have any bright ideas, please send them in to the Bulletin Committee. We will be pleased to try them out and will let you know which ones work best. We are very anxious to get on with this project before Messrs. Turner and Cherniak render it impossible for us to save up enough for the weekend roast.

S. J. A.

✦ ✦ ✦

Periodically we hear cries of "We want parity with the U.S. workers," in various parts of the country from various workers, all of whom were strangely silent when President Nixon invoked wage controls in the U.S. It reminds us of an old saying—parity if necessary but not necessarily parity.

✦ ✦ ✦

You'd think they would have been proud to claim credit for our journalistic efforts, but Council made it mandatory for us to make a statement on the mast-head of each issue of this fine publication to the effect that "Opinions expressed are not necessarily those held by the A.P.E.M. or the Council of the A.P.E.M." While the Bulletin Committee was proof reading the annual meeting edition containing reports from various and sundry members of the executive and committee chairmen, one proof-reading scribe was moved to comment, "We should put a notation in this issue that the Bulletin Committee is not responsible for the grammar, lack of syntax and fuzzy thinking evident in the annual reports."

✦ ✦ ✦

There was a young baby named Justin,
Whose mama to papa was fussin,
When our baby you cuddle
Don't say Fuddle Duddle
He's too young for that kind of cussin.

✦ ✦ ✦

A good deal of the class has gone out of Tuxedo. Not only have they had to give up their snooty isolationism and joined up with Unicity but Carson Templeton is no longer on the Board of Governors of the University and has stopped gardening and taking out the garbage in his cap and gown.

A. P. E. M. COMMITTEE LIST FOR 1972

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E. I. Lexier; G. A. Morris; D. L. T. Oakes;
G. W. Simonson.

C.C.P.E. DINNER

The dinner to honour the C.C.P.E. Delegates will be held
on **May 11th, 1972**, at the International Inn.

Gourmet Meal

Entertainment

Tickets will be available at the Association office.

SPRING GOLF

Thursday, June 15th, 1972 at Rossmere

Canadians have got all they can handle trying to keep abreast of what is going on in Newfoundland and to which party Tom Burgess and Larry Desjardins currently belong, without the CBC further complicating the scene to the tune of almost two million dollars to bring us the Jaina series with a cast of characters and chronological sequence that would surely baffle even the most ardent scholars of Mazo de la Roche.

Then there are the two new dolls on the market the Waiter Doll — you wind it up and it looks the other way; and the Welfare Doll — you wind it up and it won't work.

★ ★ ★

Al West says an engineer's head is like a doorknob, easily turned by a pretty girl.