



The Manitoba Professional Engineer

Published by The Association of Professional Engineers of the Province of Manitoba
418—265 Portage Ave., Winnipeg 2, Man.

Vol. 4

WINNIPEG, MANITOBA, OCTOBER, 1961

No. 3

Honourable Walter Dinsdale

Walter Gilbert Dinsdale, P.C., D.F.C., M.P., M.A., was born in April, 1916, at Brandon, Manitoba, son of the late George Dinsdale, a former Alderman, Mayor, and M.L.A., of that city. He was educated at Brandon primary and secondary schools and at Brandon College, obtaining his Bachelor of Arts degree from McMaster University, Hamilton, Ontario, in 1937.

During summer vacations and for two years after graduation, Mr. Dinsdale worked for the Canadian Pacific Express Company in Brandon. In 1939 he left the railroad and became a social worker in the Salvation Army, serving in Toronto and Montreal.

In November, 1941, he joined the R.C.A.F. as an aircraftsman, volunteering for air crew. He was commissioned in November, 1942, at Uplands, Ottawa, and went overseas the following month where he served with the famous 410 Mosquito Night Fighter Squadron from August, 1943, to February, 1945. He was the first night fighter pilot to destroy an enemy piggy-back bomber and was awarded the Distinguished Flying Cross for his night patrol operations in North-West Europe. He returned to Canada in 1945 and was released to the R.C.A.F. Reserve in September of that year. His navigator, Flight Lieutenant Jack Dunn, D.F.C., is still serving with the Air Force in Ottawa. A brother, Sergeant William Dinsdale, is with the Air Force Central Band in Ottawa.

Mr. Dinsdale has continued his affiliation with the R.C.A.F. Reserve and reports for annual training. For several years he reported for training at T.A.C. Headquarters in Edmonton, involving operations in the North.

At the conclusion of his war service, Mr. Dinsdale resumed his education under the veterans rehabilitation program, taking his Master of Arts degree from the University of



THE HONOURABLE WALTER DINSDALE
P.C., M.P.
Minister for Northern Affairs and
National Resources

Toronto. He also did pre-doctoral work in sociology at the University of Chicago.

In 1946 he became the Director of Adult Education and Assistant Professor of the Social Science Department at Brandon College, a position he held until 1951.

His first bid for political honours was successful when he won the by-election in the Federal Constituency of Brandon-Souris in June, 1951. He was re-elected for that constituency in 1953, 1957, and 1958. In August, 1957, he was appointed Parliamentary Assistant to the Minister of Veterans Affairs. In November, 1959, he was appointed Parliamentary Secretary to the Minister of Veterans Affairs. He was sworn in as Minister of Northern Affairs and National Resources on October 11, 1960.

Mr. Dinsdale is a member of a number of social and service organizations, including the Canadian Legion, R.C.A.F. Association, Canadian Welfare Council, the Brandon Flying Club, and several others. He is a Regional Consultant for the Canadian Citizenship Council, and is on the Board of Directors of the Western Region Canadian Council of Christians and Jews. He was a delegate to the United Nations General Assembly in 1955 and was general chairman of the Political Committee of the Atlantic Congress held in London in 1959.

In 1947 he married the former Miss Lenore GUSDAL of Erickson, Manitoba. They have four children: Gunnar 12, Gregory 9, Elizabeth 7, and Eric 5.

Mr. Dinsdale is an active member of the Salvation Army, holding the position of Bandmaster in the Brandon Citadel Corps. He also represents Canada on the International Council for Christian Leadership.

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NEW MEMBERS

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

P. M. Abel, J. D. Campbell, L. L. Charriere, W. F. Dechman, C. A. G. Delory, E. Enns, O. J. Green, K. S. C. Johnson, W. J. Lapchuk, J. D. Lowood, M. E. Moffat, C. G. Pain, A. E. Smith, J. E. Wiebe, C. Crust, A. L. Ross, L. B. Sylvester, E. J. Dixon, J. R. Schmid, W. P. Beley, N. A. Bobey, A. A. Borger, R. C. Brewer, G. M. Campbell, J. K. Cavers, F. D. Ciebien, J. P. Dean, R. H. Dyck, F. Y. H. Fang, A. Froese, E. P. Hain, R. W. Hill, R. C. Isaak, L. Lachance, H. G. Mazinke, D. W. Mitchell, L. A. Morison, H. H. Morningstar, T. T. Quirke, G. Schotch, W. Smi-tiuch, D. L. Stenberg, J. C. R. Thomson, F. M. Tomita, E. M. Van Doorn, D. F. Whalley, R. J. Wong, J. Abugov, W. B. Dunlop, M. Greenberg, H. T. Hazleton, W. A. Jackson, J. J. Larocque, W. McGilvery, D. E. McGregor, L. W. Ogryzlo, A. F. Peirce, P. J. Raleigh, R. R. Zimmerman, G. K. Stewart, H. N. Burrows.

Annual General Meeting
Guest Speaker at Luncheon Hon. Walter Dinsdale

Saturday, December 9th, 1961
Royal Alexandra Hotel

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

President — C. S. LANDON, P. Eng.

Vice-President — R. E. CHANT, P. Eng.

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

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

Editor: R. C. Sommerville, P. Eng.

Managing Editor: J. C. Gillespie, P. Eng.

Associate Editors: I. W. Thomas, P. Eng.; C. R. McBain, P. Eng.

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

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

President's Report

By C. S. LANDON, P. Eng.

It is a fact, which is accepted by industry and by the engineering profession, that the shortage of engineers in Canada has been caused by employing engineers as technicians because a very definite lack of persons sufficiently trained for technological vocation has made this necessary.

In March, 1957, Council set up a committee to study the advisability of establishing some system under which recognition could be given to persons who had acquired qualifications that enable them to assist professional engineers.

After several months of careful study of the subject, the committee reported to Council that training of technicians should be undertaken in Manitoba.

One of the recommendations was that the Association of Professional Engineers of Manitoba set up the necessary organizations for examining and certifying of engineering technicians.

The committee arranged to meet with officials of the Department of Education and to lay before them a plan for upgrading of engineering technicians by means of further education. It learned at this meeting that facilities for providing the type of instruction which would be required, were not available in Manitoba. It was at this point that the matter rested.

Recently the Association was advised that the Manitoba Department of Education is now planning the construction and equipping of a new Institute of Technology.

The kind of instruction given at the Institute will be such as to provide adequate instruction to those interested in training as engineering technicians and to improve and augment their knowledge of the work in which they are to be engaged or have been employed.

In the programme in the Institute it is proposed to offer (4) two-year post-high school engineering technological courses. Those being offered are Civil, Electrical, Mechanical and Electronics Technology.

It is proposed further, in connection with each of these courses, to appoint Advisory Committees to assist the Department in such matters as curriculum, equipment, instruc-

tional staff and detailed planning of the various laboratories. The Association has been asked to nominate members of the Association to serve on these committees and this has been done.

It is a fairly generally accepted definition of a technician that he is a person who "Is qualified by specialist education and practical training to be the liaison between the professional man and the skilled workman, to accept supervisory responsibility to translate the creative ideas into new machines, new products, new processes, new structures and so on."

All of the recommendations which were made by the Association's Committee of Engineering Technicians can now be carried out, with the establishment of the Institute of Technology.

Membership

By A. SOROKA, P. Eng.

We ask you to help in increasing the membership in the Association. To date, we have had 105 new registrations, which is an average figure. The total membership constitutes approximately an 80 per cent registration in the Province. How can you help? Simply by participating as part of the membership committee.

The following information may help you to convince your fellow engineer who is qualified to join the Association, but not a member.

The primary intent of the "Engineering Profession Act" is to protect the public by ensuring that only qualified persons practise the profession; it also provides the only protection for the profession against such practices by unqualified persons.

The following are some of the basic reasons why one should support the Professional Association:

1. To develop and maintain a high standard for the Profession.
2. To advance the professional, social and economic welfare of the members.
3. To promote the knowledge and appreciation of engineering and of the Engineering profession and to enhance the usefulness of the profession to the general public.
4. To establish and maintain the bond with other associations and to promote the welfare of the Engineering profession in Canada.

We are all aware of the fact that an individual working alone can do little to improve

the services offered by a profession to the general public, employers and fellow colleagues. We realize that all of us expect to receive some benefit from any organization to which we belong, but the benefit is proportional to the energy exerted.

Aside from the legal and moral aspects of the profession, the Association provides the individual members with such services as:

1. It conducts a salary survey of all members and publishes a report on salaries along with those of other associations.
2. Members receive monthly issue of the Engineering Digest and the E.I.C. Journal.
3. It provides Group Life Insurance scheme.
4. It provides several social functions during the year.
5. Each member receives a copy of the membership roster and issues of the Canadian and Manitoba Professional Engineer Bulletins.
6. An employment service is offered to members.

ACT NOW!

A. SOROKA, P. Eng., Chairman,
Membership Committee.

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Fall Golf Tournament

Trust the boys in the Highways Branch to provide the comic relief at the golf tournaments. On the day of the Fall tournament Mrs. John Dennis was in hospital with a new baby and John locked his keys in the trunk of his car, after he locked the car which was parked on the St. Boniface Golf Club parking lot.

Bill Corbett piloted the Sports Committee through another successful tournament. Al Leiterman won the Sullivan Cup, and the prize donated by Anthes-Imperial. Larry Greer won the Dominion Bridge prize with the second low net. The Honeywell Control prize for low gross went to Gordon Crabtree with a score of 74. He was followed by Ben Fast, whose 78 netted him the Canadian Johns-Manville nectar.

Don Simons ousted such contenders as Bill Isberg and John Lewis to take top honours with his gross of 164. Twenty golfers out of 84 broke 100.

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Social Club Committee

At the last annual meeting, following failure of efforts to establish permanent quarters for the Association, a motion was passed to form a special committee to investigate and report on the formation of an auxiliary social club. The committee was to review the possibilities of operating the club in conjunction with existing facilities or with other groups.

A questionnaire appeared in our last issue which sought the members' opinions on entrance fees, annual dues, lunch and bar facilities, joint use and other questions for the guidance of the committee.

We understand that response from the membership was most disappointing but that the committee is preparing a formal report for submission to the annual meeting on December 9th.

—R.C.S.

FLIN FLON NEWS

By M. N. COLLISON, P. Eng.

In spite of all of the summer vacations, it appears that most of the engineers in Flin Flon have been especially quiet during this period. The most noteworthy item seems to be the marriage of Frank Gira, P. Eng., on July 1st. Their honeymoon trip took them to Banff, Calgary, Reno and San Francisco. I wonder why Frank went to Reno? He also reports spending ten days in September training with the Engineers Militia at Pinewa, Manitoba.

G. J. J. Mould, P. Eng., reports a trip to Regina, where he visited relatives, and spending most of the summer at his cabin at Limestone Narrows. This is located on one of the main waterways between Big and Little Athapap Lakes. Access to his cabin is by an eight mile boat ride from Baker's Narrows.

D. F. Whalley, P. Eng., informs us that he has been raised from the engineer-in-training status to a licensed engineer, this being effective in June. Doug is active with the local Sea Cadet Unit and has been training

some of these young fellows in the art of sailing. He spent some time in Carberry this summer helping his FATHER-IN-LAW build a house. It seems Doug's wife must have done a lot of persuasive talking. He also reports the birth of a son and heir in August, giving him a sixth of a dozen assorted.

S. F. Liss, P. Eng., also reports the birth of a son in September, giving Stan one-half dozen assorted. His holidays were spent in beautifying his yard, at the cost of one thumbnail in a rock wall.

H. L. Easton, P. Eng., has decided that he has had enough of endeavouring to solve some of Flin Flon's town problems and, following the completion of this term on council, is retiring from politics. He spent some time at his summer cabin at Gull Lake, loafing and relaxing, although Harry admits to having caught some fish. He says he threw them all back because they were too small, particularly in comparison to the 18-pounders that Stan Liss was catching in some of our local lakes.

ENGINEERS IN TRAINING

The following have been enrolled as Engineers in Training:

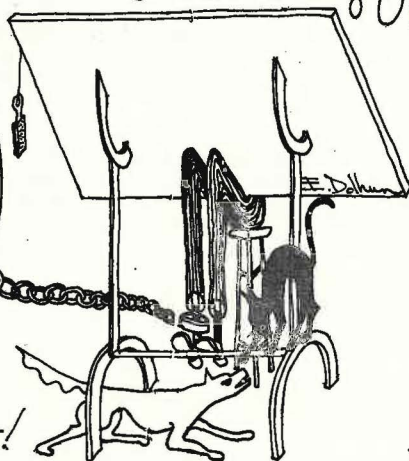
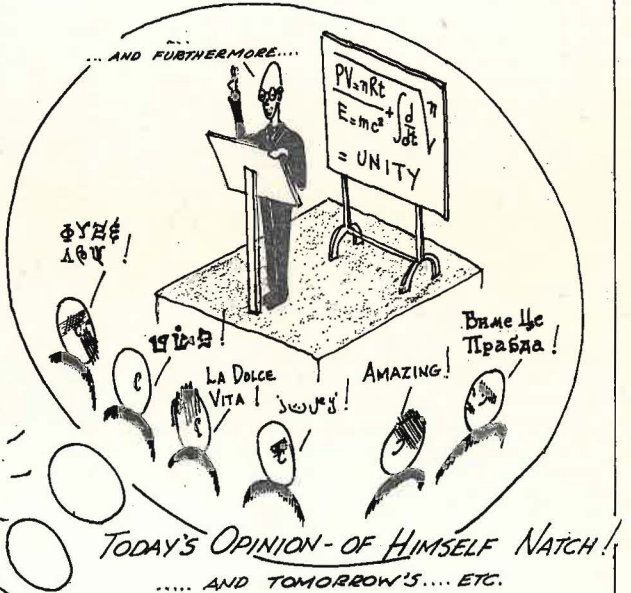
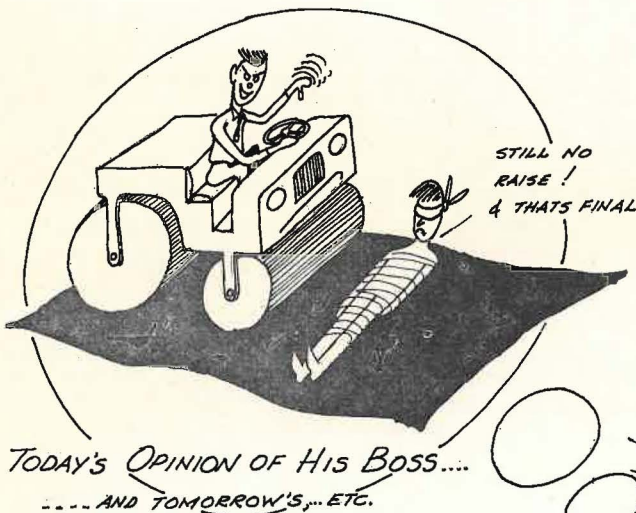
E. M. MacCharles, W. K. Mann, W. T. Bailey, C. G. Kunze, G. W. Crabtree, F. F. Brown, J. G. Locker, F. O. Best, A. J. McCabe, T. R. Fox, S. H. Derksen, R. W. Glasman, L. R. Nichol, A. J. Arenson, E. G. Robins, A. G. Kuluk, M. C. Romas, D. J. Wilson, W. M. Cardigan, D. E. Cross, R. M. Ronald, E. H. Geres, S. I. Helman, D. C. Sexton, F. L. Privat, C. E. Kellner, T. H. Young, D. A. Ennis, B. P. Grover, E. R. Pentland, A. W. Gilliland, L. Romanchuk, G. W. Reed, G. J. Tencha, J. R. Herman, S. J. Kustra, A. J. Schmidt, R. J. M. Chase, C. W. Jack, G. C. Minaker, W. R. Cooke.

TRANSFERS

The following have been registered on transfer from other Associations:

G. S. Sanders (Sask.), C. J. Connolly (Alta.), G. S. Langman (Alta.), A. Winer (Sask.), G. G. Harley (Ont.), P. W. Stri-laeff (B.C.).

A DAY IN THE LIFE OF P. ENG



An Engineer, Civil Defence and Fallout

By E. OLYNEK, P. Eng.

The Federal Guide of Survival Planning states "Engineers will be able to make considerable progress towards solving their own local problems."

Formula (1) Range of blast

$$\frac{r_1}{r_2} = \left(\frac{w_1}{w_2} \right)^{1/3} \quad \text{where } r = \text{radius of damage} \\ w = \text{weight of bomb}$$

Formula (2) Radiation intensity

$$I = \frac{I_0}{T^{1.2}} \quad \text{where } I_0 \text{ is the initial} \\ \text{intensity and } T \text{ is the time} \\ \text{elapsed since blast.}$$

For every 7 fold increase in time the radiation intensity is divided by 10.

Explosion of all atomic weapons, including the H-bomb, has four characteristics:

- (1) Blast energy is greater than 1/2 total release.
- (2) Heat energy less than 1/3.
- (3) immediate radiation energy about 1/20
- (4) residual radiation energy (fallout) about 1/10

The blast results from an instantaneous release of immense energy by fission and fusion of atoms. It produces an extremely high temperature within a few millionths of a second in the form of a ball of fire. Where the fireball touches the ground the surface becomes highly radioactive for a considerable time and almost everything, including great chunks of earth, is pulverized. The fireball may be three miles across. It sucks up the pulverized material possibly 70,000 feet up in the air. It is

this pulverized radio-active material which may be carried by the winds over areas 200 miles long and 40 miles wide, or bigger, and then settle to the earth, contaminating all it touches. This is called fallout.

Residual radiation is made up of gamma rays and beta rays. Gamma rays are powerful enough to cause general injuries and sickness. Inside an ordinary house the gamma ray intensity is cut by one-half, in the basement by 9/10ths and in concrete block basement shelters the penetration is almost negligible. Gamma ray intensity will fall to 1/100 of its early activity in two days. Beta rays cause skin infections but is adequately protected against by clothing.

Engineers who have appointments in national emergency organizations should make every effort to study the work of the Civil Defence staffs and services in order that they may give and request support more intelligently.

Engineers on Vacation

Allan Moffatt got some new camping equipment for his wife, sent her off into Caribou Country in B.C. in the station wagon with the children and when she had set up camp he took the train and joined them.

P. A. Brett, with the able assistance of his wife, built a cottage at Rush Bay, Lake of the Woods.

K. F. Chapman spent half his holiday at Laclu and is undecided between Europe and Trinidad for the second half.

W. A. Farnell spent his vacation at Clearwater Bay staining his summer cottage. Unfortunately he fell off the ladder during the process and found himself stained to match the house.

Ben Fast is taking his holidays two and three days at a time in order to get in some duck shooting.

S. Brownstone flew to Europe and to Israel.

The McFetridges travelled to the United States on a joint camping and shopping excursion.

The Charlie Pikes divided their time between West Hawk Lake, Regina and Echo Bay.

The A. W. Bells spent their holidays at Winnipeg Beach. They survived the roller coaster but reported that the tiltwhirl was too much for them.

Mr. and Mrs. M. E. Bryant went to Chicago where they took in the theatre, night cubs, art institute, etc.

Mr. and Mrs. D. E. Haig and four children went on a camping trip to Vancouver Island where they were joined by several thousand wasps.

Mr. and Mrs. W. K. Jarvis spent their vacation at Clear Lake, swimming, golfing and playing tennis.

F. J. Lindenschmidt reported a successful holiday at West Hawk Lake where he did a

bit of snorkling, some shooting of fish, a little sailing and a lot of nothing.

The E. C. Lambs spent their holidays visiting various beaches with relatives from California.

The F. M. Henrys took a tour of the Lake of the Woods area, went to Minneapolis via the scenic routes and returned home.

On Industrial Development

A great deal of time and money is being spent on promoting industrial development in this country by Federal, Provincial and Local governments and by groups of individuals. One main purpose is to provide employment for the growing labour force and thereby improve the standard of living.

What are professional engineers as a group and as individuals doing to help in this cause? Nothing? Few gain more by industrialization of a country than the Professional Engineers of that country.—B.W.

Referenda & Questionnaires

Some people claim that anyone holding the franchise should vote as he pleases but vote and in various parts of the world voters are subject to poll tax for neglecting this duty. Others claim that the franchise should be exercised only if the voter is fully aware of the issues at stake. We can only report that in the recent referendum on by-laws only 27 per cent of qualified members voted and allow you to draw your own conclusions.

Committees with questionnaires in the last issue of the Bulletin would have been happy with a 27 per cent response. Twelve answers were received to the questionnaire on curling and fourteen to the questionnaire on a social club. Though all were answered in the affirmative the number of replies would seem to add up to a negative.

CONGRATULATIONS

To Mr. and Mrs. R. C. Galbraith on the birth of a son, David Graham, on September 12, 1961.

To Donald Onysko and Elsie Mossman Onysko who were married on August 26, 1961.

To Mr. and Mrs. A. G. Burrows on the birth of a daughter, Alexandria O'Bryna Page, on August 26, 1961.

To Mr. and Mrs. J. J. Dennis on the birth of a daughter, Michelle Anne, on September 11, 1961.

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ENGINEERS AVAILABLE

There are several engineers registered with the Association office for employment, including:

P. Eng. No. 1—B.Sc., M.E. 1957.

P. Eng. No. 2—B.Sc., with Elec. & Mech. experience.

E.I.T. No. 3—B.Sc. Geol. 1960, interested in soils.

P. Eng. No. 4—B.Sc., M.E. 1952.

E.I.T. No. 5—B.Sc., M.E. 1961.

P. Eng. No. 6—B.Sc., M.E. 1946, Plant Engineering and Maintenance experience.

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ENGINEERS WANTED

No. 1—Civil, 5 years experience.

No. 2—Municipal for Consulting Engineering Firm.

No. 3—Electrical for Consulting Engineering Firm.

No. 4—Civil 2 years' experience.

No. 5—Civil with sales ability.

No. 6—Civil—age about 30, structural experience.

No. 7—Municipal, to head local branch office.

No. 8—For regional consulting and sales promotion, experienced in steel design.

No. 9—Mechanical, for design of farm equipment.

All employment matters are handled on a confidential basis.

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CONFEDERATION

The Report of the Engineers Confederation Commission appears in the September issue of The Engineering Journal.

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THANKS, ANYWAY!

Those members who have neglected to pay their annual dues by the middle of June are reminded by registered mail that unless they do so by the end of June, under the by-laws they must be removed from the register. One member returned his cheque with this notation: "Mrs. D. If you need it more than I — HERE. I am expecting an addition momentarily."

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EMPLOYMENT SERVICE

In the last issue of the Bulletin we published a list of engineers available for employment, as a result of which inquiries were made to the office by potential employers, and ultimately several of those listed found satisfactory employment.

Public Relations Committee

By R. R. DUTKA, P. Eng.

For years Professional Engineers have felt the need for greater public understanding of their work and responsibilities. One approach is to show by example, and the best medium for this is television.

Arrangements have been made by your Public Relations Committee for Professional Engineers to be considered for interviews, panel shows, and in any other way which will satisfy the aims of the APEM and the program requirements of the station.

CBWT is quite interested in our proposal and has already carried an interview with W. L. Wardrop on "Spotlight" in which plans for creating a national "voice" by Confederation were discussed. It is hoped that we can supply four or five more persons in the coming year who can present some of the many facets of Engineering to an interested but uninformed public.

For this to be effective the consideration and assistance of every member are essential. Suggestions of topics and persons able to discuss them are wanted by your Public Relations Committee. These can then be formulated into a pattern and concrete arrangements can be made for suitable presentation to CBWT and the public. A phone call to any member of the Public Relations Committee will ensure that your suggestions are passed along quickly. They are listed in the front of the APEM Directory in case you don't know one personally.

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PUBLIC RELATIONS COMMITTEE REPORT

ASSOCIATION AWARDS

By H. E. T. NORTH, P. Eng.

Recognition and credit fairly placed where they are due make a substantial contribution to morale. This idea is easily applied to those tangible areas where accomplishment is marked by some completed structure or service to the community. However, recognition and credit should not end here. They should extend themselves to include the more intangible contributions by individual professional engineers, employers of engineers, and the students of engineering, who in their own and in different ways, increase the standard of the engineering profession.

A study concerned with this latter "intangible area" has been in progress for some time and positive action has been taken regarding individual professional engineers in Manitoba and engineering students at the University of Manitoba. Two Association awards have been established for this purpose.

The Association Award for Achievement has already received publicity. It has been established for recognizing the really outstanding contributions by individual engineers in the Province. This is the highest tribute that can be awarded by the Association and is administered by an august committee of Past Presidents of the Association. No award has been made as yet, however it exists for the occasion.

The second Association award has been established on a continuing annual basis to reward the academic achievements of the top three students registering in Engineering I at The University of Manitoba. Each of the three students receives a log log duplex slide rule which is suitably engraved with an A.P.E.M. crest and his name.

This "Slide Rule Award" was presented for the first time on the occasion of the Engineering Freshman Banquet at the Fort Garry Ho-

tel in September. Dr. C. S. Landon officiated at the presentation. The recipients of the awards were delighted with the prize and the applause of their colleagues. Certainly they well deserved such a reward in view of their senior matriculation averages which ranged from over 85 per cent to 92 percent. Indeed, these three men, G. W. Duncan, G. K. McLure and J. K. U. Schwahn are, and should continue to be, good examples for their fellow students.

To conclude this comment on Association awards some mention should be made concerning recognition for engineering firms. Preliminary investigation has shown that the mechanics of administering a programme for selecting fairly that firm which contributes most to the development of professionalism amongst engineers are not prohibitive. However, a great deal of co-operation from the nominee firms would be required. Similar awards exist in the United States and are reported to be effective. They do not differentiate by the size of the firm. A large and a small firm have equal opportunity to win the award. A natural outgrowth of provincial awards would be to have provincial winners as candidates for a national award presented by the Canadian Council of Professional Engineers.

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Letters to the Editor

To the Editor:

As a result of the recent by-law vote, the Association will be adopting the "Proportional Representation" system for election of officers. The old system was essentially a minority system and I expect the change was advocated so that Council members would represent a majority of the members. The PR system will most certainly accomplish this.

However it is my opinion that when the Association adopts PR that they should drop the "transfer of surplus" feature. This feature in part defeats the principle of broad representation and presents complications in the count of ballots.

Lines are not so tightly drawn nor interests so at variance within the Association that any group is interested in electing a number of members to Council. Rather it is more important that as wide a cross-section of the membership as is possible is represented on Council by first choice ballots.

By restricting the PR system to the transfer of the low candidates' ballots we assure that a majority of electors are represented by a successful candidate. With the "transfer of surplus" particularly if the leading candidate has a heavy majority, his voters in effect receive a vote and a half or even two votes as the case may be. And it is not inconceivable that the surplus votes can decisively affect the results for more than one of the remaining seats to be filled.

The technique of counting surplus transfers while probably satisfactory where large number of votes being dealt with can produce inequities in a small election. The general practice (which has been upheld in local courts) is to count the seconds of a candidate who has exceeded the quota and to transfer ballots to the second choice candidates in the proportion of the surplus to the number of second choices counted. Having determined the number of ballots to be transferred to any second choice candidate that number of ballots is taken indiscriminately from those ballots indicating him as second choice and transferred to his pile of first choices. On such transferred ballots the third choice is in effect promoted to second choice and subject to further transfers. It is not uncommon to have fifth choices

counted in deciding an election. In a small election results are apt to be close as counting progresses and election of a candidate can be decided by those ballots transferred indiscriminately from surplus earlier along the line. This of course gives a sort of "flip of the coin" atmosphere to the whole proceedings. Unfortunately there is no practical way to overcome this problem.

I urge that every consideration be given to eliminate the "transfer of surplus" feature in future elections in order to give us a broad representation on Council and eliminate elements of chance in the count.

Yours truly,

REFORMER.

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The Editor:

Last year our fees were increased, in part to provide "increased services" to the members.

As a keen student of your paper, I have noted the following items, which, I presume, are efforts in this direction:

1. An ad requesting members to indicate their interest in a Spring Dance.
2. A cutout questionnaire regarding an Engineers' Club.
3. A ditto regarding a curling league.

On inquiry it seems these requests for members' interest netted an average of 7 replies each, out of our 1000-odd membership.

At the present time we have:

- (a) A golf tournament which attracts about 50 members and the same number of guests.
- (b) A formal dance, attended by many guests, several V.I.P.'s and a few A.P.E.M. types.
- (c) A Fall Frolic attended by hundreds of guests, the social committee and the award winners.

I believe the purpose of these functions is to promote interest in the Association, by bringing members together socially. If so, the results must be classed as a complete wash out.

Our members don't want any part of this socializing business. In fact they don't even like each other very much. They would prefer to eliminate all of these activities, and confine Association activity strictly to the business for which it exists.

AND REDUCE THE FEES ACCORDINGLY!!!

Increased services to the members? Bah! Humbug!!

J. SCROOGE, P. Eng.

MOVING?

PLEASE NOTIFY THE OFFICE OF ANY CHANGE OF ADDRESS. Every month mail is returned from members who have moved and left no forwarding address. When you move, please advise the Association office either by letter or by telephone.

102 Golfers Tee off in June

HIGHWAYS BRANCH PROVIDE
INTERMISSION ENTERTAINMENT

By S. J. Armstrong

Thanks to genial Bill Corbett and his Sports Committee, another successful golf tournament is now history. Of the 102 golfers who started, 95 per cent finished the course. The exercise and the heat proved too much for some of the older members and Messrs. Debusschere, Christie and McGinnis were forced to retire after 9 holes. Although the trio of Bowie, Junker and Caverly were the spryest looking as they stoked up in the clubhouse at half time, they slowed up on the last lap and trailed the field, reporting in during dinner about 8 p.m.

Bill Adams and Stan Butcher won top honors for headdress. Carl Fritz won the Canadian Johns-Manville prize for the second low gross. The prize was up to the high standard set and maintained by Johns-Manville—a new type of liquid fertilizer for spreading on the grass so it will come up half cut. Fritz, following the boy scout motto of being prepared, had a supply of cigars on hand which he hoped to sell at a profit to Don Craik if the latter's family increased during the tournament.

Glover Anderson was out of the prizes this time and complained that the wind bothered his game. On the 19th hole he was faced with a tough decision — should he have another "pink lemonade" or drive Loreen Dunklee back to the city. Claude Wright very gallantly came to the rescue and drove Mrs. D. to town.

M. D. Green, playing his home course, and a member of the Sports Committee had too many advantages on his side and won top honors for low gross, his reward being the Canada Wire & Cable prize of club covers. Lou Mairin was third low gross. Low net was Bob Zimmerman who won the Manitoba Telephone System prize, and second low net was J. Scotten who won the Supercrete prize. S. Goodbrandon and H. V. Smith had birdies. Mac Coutts won the dubious honor of high hole with a 14 and George Durnin won the high nine with a 76. Durnin would have been hard to beat in his field in this tournament. He solved the problem of lost balls on the second nine by never hitting his ball out of sight. He drove a neat 12 glove lengths off the 10th. "Sam Snead" Dennis also found it a costly afternoon in golf balls.

Bill Finnbogasson put his experience to good use and was directing traffic at the first tee when the boys began to pile up. Quote from Bob Byers: "Talk about tough breaks."

The highways branch boys provided some first rate entertainment in the clubhouse at half time and it is hoped that the Sports Committee will be able to book them for future tournaments. They discussed the pros and cons of the game, gave "Dad" Durnin some advice and made some very pertinent observations, i.e. "As long as you have an adding machine, there's nothing to this game." (J. Duerksen).

Jack Peacock enjoyed his break to the extent that he tried to talk the boys into doubling the first nine scores and staying in the clubhouse, and just to prove how right he was he chalked up identical scores on the two 9's. We may have missed some of the words, but following is a fairly accurate transcription of what Peacock was trying to get across at half time. Set to the tune of "It's a Long, Long Way to Tipperary," it becomes a jaunty jingle.

Calling All Members

On November 24th, at the Pembina Hotel, a joint A.P.E.M. - E.I.C. meeting will be held with engineering students from the University of Manitoba. There will be a discussion on the graduate engineer and his relationship to the two organizations and there will be an opportunity during the reception and after dinner for students to mingle with engineers and discuss pertinent topics with them. The students would appreciate a good turn-out of Association members at this function. November 24th — Pembina Hotel — Reception 6:30 — Dinner 7:00. (There will be a charge of \$2.75 for the dinner).

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Calling All Curlers

Applications are being received in the Associated Architects-Engineers Curling League, for Saturday or Sunday curling. Please submit rinks IMMEDIATELY to Jack Netterfield, Moody, Moore & Partners, 295 Broadway, Winnipeg 1.

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PEACOCK'S LAMENT

It's a long way to the 18th
It's a long way to walk.
The drinks here are so refreshing,
Let's just drink on and talk.
Goodbye fellow golfers,
Nine is enough for me,
I'll just double what I've scored up
Since I left the first tee.
It's a long way to the 18th,
For me it's too far,
You can plod on if you want to,
I'll be right here at the bar.

George Flavell proved once again to be an ideal M.C. As some one said following the dinner, George says it so well, they all like it no matter what he's talking about. Maybe we should get him to announce the next fee increase.

Where were the Manitoba Hydro boys? Not one of the regulars showed up.

Of the 102 golfers, 3 were in the 80s, 21 in the 90s and the remainder will have to practice to break 100. The All Star Golf boys have nothing to fear from us for the time being.

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Fall Frolic

The 1961 Fall Frolic is now history and another success story has been written into the Association records. Our thanks for this fine evening of entertainment go to Charlie Pike, Chairman of the Social Committee; Al Burrows, Vice Chairman; Jim Warrenner, Gordon Marshall, Bob Gottfred, Lou Earp, Don Miller, Vic Chorley, Glen Booth, Hans Bonne, and Ray Jonasson.

Some claimed the awards were rigged because two members of the social committee, Lou Earp and Glen Booth, were recipients but the claim could not be proved. One thing that was evident was that we have some very good sports in this Association and someone should nominate Scotty Borgford, Tom Storey, Bill Thomas, Lou Earp and Mr. and Mrs. Glen Booth for Good Sportsmanship Awards for the 1962 event.

Outstanding among the dancers were the Tom Storeys (as usual) and Don Sampson who cuts a mean jive. Craig Sommerville has devised a new system of looking slim without losing weight and Jean Isberg has a smashing new hair do.

It was decided not to print the names of those who had third and fourth helpings of supper.



C. R. PIKE, P. Eng.
Chairman, Social Committee

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USE OF SEAL

Section 19 of The Engineering Profession Act reads as follows:

Every person registered under this Act shall have a seal, the impression of which shall contain the name of the engineer and the words "Registered Engineer, Province of Manitoba," with which all estimates, specifications, reports, working drawings, plans and other documents issued from his hand shall be sealed.

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JAMOVE?

Wine chalettice no? Phwee onny gotcher old address weakent senjer mail taya. Ifyamove, woodja lettice no yernu address. Mutt chabliged.

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Finding Employment For Engineers

Submitted by A. F. Brown
Exec. and Prof. Div.

National Employment Service

It is interesting to note that 1,401 of the 7,000 successful placements of executive and professional applicants made in 1959 were professional engineers.

To provide this service trained officers assess applicants' qualifications against detailed requirements of employers. As the majority of applicants are employed, the strictest confidence is maintained and qualifications are discussed with prospective employers only with the permission of the applicant. That only those suitably qualified are referred for interview is of great value to the employer as considerable time is saved.

If an employer registers a vacancy and suitable candidates are not available locally then, if the vacancy is of sufficient importance, such requirements may be circulated to about 200 offices across Canada. This means that applicants who have indicated a willingness to move have their applications reviewed against requirements from all over the country. Alternatively, applicants having special educational qualifications may have their applications circulated to other offices.

The Executive and Professional Division is located at 344 Edmonton Street.