

# The Manitoba Professional Engineer

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

VOL. 1

WINNIPEG, MANITOBA, JUNE, 1958

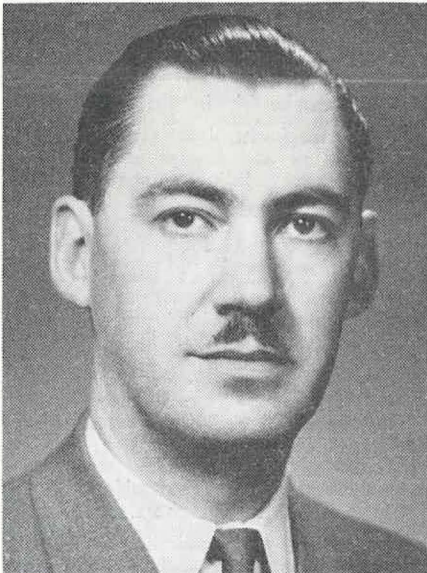
NO. 9

## A Scholar and a Gentleman

By W. H. DICKINS, P. ENG.

R. T. (Bob) Harland was elected to Council this year, for a two year term. Prominent (no allusion to physical dimensions intended) in Manitoba engineering circles for many years, Bob is well known to most of us.

His academic record is outstanding. Graduating from the University of Manitoba in 1938 with the degree of B.Sc. (Electrical Engineering), he was a gold medalist. Following a year of employment with the City of Winnipeg Hydro Electric System, he attended the Massachusetts Institute of Technology, where he received the degree of Master of Science in 1940.



R. T. HARLAND, P. Eng.

Bob then re-joined the City Hydro where he gained experience in several departments of that organization. From 1942 to 1945, he served with the R.C.A.F. as a member of a joint allied Radar Research team stationed in Washington, D.C. He received his discharge from the R.C.A.F. with the rank of Flight-Lieutenant.

Returning again to the City Hydro, Bob joined the Electrical Design Section, where he rose to the position of Principal Engineer. In November of 1955 he was appointed Chief Engineer of the City Hydro.

Bob is active in both Association and Engineering Institute affairs. He has been secretary of the Winnipeg Branch of the E.I.C. and Executive Member, Vice-Chairman and Chairman of the Electrical Section of the Winnipeg Branch E.I.C.

Bob is a member of St. Peter's Anglican

church and a member of the Vestry for 1957-58. Bob's wife Mary devotes a good deal of time to the scouting movement. They have two daughters, age 12 and 10.

Bob will not admit to having any hobbies, remarking that the modern world leaves no time for hobbies. We know, however, he plays a competent game of golf and that his curling is quite adequate. We also know that Bob takes his reading seriously and is unusually well informed on world and national affairs and on a host of subjects not connected with Electrical Engineering.

A gentleman, a scholar, and a very considerable asset to the Association.

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### TOM KIRBY

We were indeed sorry to learn of Tom Kirby's recent illness. Mr. Kirby is someone it is a real privilege and pleasure to know. He has a delightful sense of humour and is a definite asset to any group or gathering with which he might be associated. Mr. Kirby is now out of hospital and is convalescing at his home. We wish him a speedy recovery to good health.

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### CONGRATULATIONS

To Mr. and Mrs. W. N. Isberg, on the birth of their fourth son, Kristian Phillip, on April 13, 1958.

To Mr. and Mrs. G. A. Nicholas on the birth of a daughter, Ann Patricia, on April 14, 1958.

To Mr. and Mrs. M. W. Howe on the birth of their sixth child, a boy, Paul Martin, on April 11, 1958.

To Prof. and Mrs. R. E. Chant on the birth of a son, Richard William, on April 23, 1958.

To Mr. and Mrs. M. Corkal of Swan River on the birth of a son, Darrell Ross, on May 9, 1958.

To Sylvia Oliver Eagleton and Stan Eagleton who were married on April 5, 1958.

To Mr. and Mrs. G. R. Reshaur on the birth of a son, Andre Mark, on May 28, 1958.

To A. H. Corbett who was elected to the Manitoba Legislature for the riding of Swan River in the recent provincial elections. A. H. is "Uncle Bert" to Managing Editor Bill Corbett.

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### ENGINEERING PUPILS

The following has been enrolled as an Engineering Pupil:

D. A. Drybrough.

### WINNIPEG

H. V. Shipley, President of Canadian Ice Machine Co. Ltd. has announced the appointment of Lorne S. Mitchell as Midwest representative, Air Conditioning, with headquarters at 1112 Notre Dame Ave.

W. H. Mitchell, P. Eng., has been appointed to the Mechanical Engineering Department of Green, Blankstein, Russell & Associates. Mr. Mitchell, who is a graduate of the University of Manitoba, is an air conditioning specialist.

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### NEW MEMBERS

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

G. H. Kent, M. Corkal, H. A. Dalkie, E. P. Debusschere, O. E. Deslaurier, E. Dolhun, V. L. Dutton, R. F. Gilmour, L. M. Harrs, D. T. Holloway, G. T. Keith, C. R. McBain, P. M. Mathews, G. A. Morris, G. R. Thompson, B. M. Arnott, A. Bookbinder, W. E. A. Bradford, J. R. Bray, J. F. Davies, G. Dyck, C. C. Huston, B. M. Jacobs, M. J. Jeffries-Harris, G. B. MacDonald, T. Maftechuk, J. D. A. Mollard, V. L. Moore, F. H. Pascoe, A. Priestley, D. J. Salt.

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### LICENCES

Temporary licences to practise have been granted by Council to the following:

L. Moncini, B.C.; J. W. Brison, Ontario; G. J. Toman, N.D.; P. M. Mathews, U.K.; D. G. Wright, Alberta; H. W. Umphrey, Quebec; W. E. Ohrner, Ontario; B. W. McCrae, Ontario; R. P. Steketee, Ontario; S. M. Clarke, Ill.; C. W. Hodgson, Ontario; K. F. O'Flaherty, Ontario; J. T. Howley, Ontario; D. O. Osmun, Ontario.

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### ENGINEERS IN TRAINING

The following have been enrolled as Engineers in Training:

V. M. Austford; B. A. Biglow; L. A. Clay; W. C. Kent; D. W. Miller; A. R. Szweczyk; D. J. Palanuk; I. C. McGonigal.

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## Beer Drinkers

October 3rd is to be the night of the Third Annual Civil Section Smoker and all registered 40 beer men are cordially invited. Films (clean but funny) are to be shown, beer, spirits, and the usual delicatessen will be available. Place, Grain Exchange Curling Club. Tickets at Association Office.

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

President — L. A. BATEMAN, P. Eng. Vice-President — W. L. WARDROP, P. Eng.  
Secretary-Treasurer and Registrar — C. S. LANDON, P. Eng.

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

Editor: W. H. DICKINS, P. Eng.  
Managing Editor: W. A. Corbett, P. Eng.  
Associate Editor: W. J. Adams, P. Eng.  
Photographer: G. A. Tough, P. Eng.

## The President's Message

By L. A. BATEMAN, P. Eng.

Your Association is continuing to enjoy a healthy growth as more of the eligible engineers are being registered. The work of Council never seems to decrease despite the increased number of committees that have been appointed this year. I would like to review the work of some of these.

Our Public Relations Committee has been most active, theirs is a continuing job of attempting to improve the status of the professional engineer in the community. They also have several projects underway, of which we shall hear more later.

The chairmanship of the Night University Committee was turned over to your past president, who has been doing a good job. Council, along with this Committee, had a meeting with the University Senate to explore the problems of establishing credited night courses in engineering. This will be reported on more fully later.

The Sports Committee, under the chairmanship of Harry Benditt, had a very good turnout to the spring golf tournament and you will read of this elsewhere on these pages. It is hoped that the fall meet can break the record again.

The Advisory Committee has been re-constituted under the chairmanship of Mr. M. A. Roche and has been assigned the important task of investigating permanent quarters for your Association. We would like to know what you think about this problem and whether you are in favor of establishing permanent quarters, and any suggestions you might

have on how such a program would be financed. Mail your suggestions to the office promptly.

The writer and Mr. Bubbis attended the annual meeting of Canadian Council in Vancouver. Mr. Bubbis was again elected an executive member of Canadian Council. Next year, on invitation from your Council, the Canadian Council meeting will be held in Winnipeg, the dates have not been settled as yet. This will provide an opportunity for Winnipeg engineers to sit in on some of the deliberations and learn of the very important work that is being done on a Dominion basis for our profession. The last meeting of Canadian Council held in Winnipeg was in May, 1950, and many will recall our excess moisture at that time. The meeting was postponed until the fall of that year.

This year following the pattern that was inaugurated last year of visiting some of the outlying areas where professional engineers are located, who have difficulty in attending our Annual Meeting, Council is planning a visit to Camp Shilo, Brandon and Virden. Just as in the case of Council's visit to Min Flon last year, it is hoped that a down-to-earth meeting can be held with groups in the areas referred to, in order that the work of Council on behalf of the members can be reviewed. It is hoped that non-registered engineers in the areas referred to can attend these meetings.

I have not reviewed our budget position with you but I can close with a general note of optimism on the healthy status of our Association at the mid-term point.

## Public Relation Committee

By R. C. SOMMERVILLE, P. Eng.

In the last issue of this bulletin, there appeared a brief outline of the aims of your Public Relations Committee. One of these was as follows:

"To encourage all employers of engineers to employ registered professional engineers and to provide them some measure of recognition (allowing use of letters P. Eng. after a name in signing correspondence, and use of seals)."

As a direct effort in this direction, a letter to all known employers of engineers, registered or not, is now in the process of being mailed. This letter solicits the support of the employer in publicizing the role of the professional engineer in his business by encouraging the engineer employee to display his registration certificate, to use his seal on all drawings for which he is responsible and to use the letters P. Eng. in correspondence wherever applicable.

You will have noticed that the use of seals

and the letters P. Eng. is increasing, although it is by no means universal. However, it is discouraging to see so few of our members displaying their registration certificates, particularly those in industry. We belong to an honorable profession and should be proud of it. It is our responsibility to the Association and to ourselves to prove that we are entitled to the rights and rewards of our profession.

This is your opportunity to take part in the public relations program by displaying your registration certificate, using your seal and asking your secretary to type the letters P. Eng. after your name in all correspondence. This title should also be used in addressing correspondence to other members of this Association. Dig that certificate out of your bottom drawer and get it up on the wall of your office.

Losing the original is no excuse, for the Association office will be glad to supply a duplicate for a nominal charge.

## Members May Now Participate in Group Life Plan

All members and engineers in training who are in good standing and who are:  
not over 60½ years of age when applying,  
active in their profession, not retired,  
normally resident in Canada,

may now apply to the North American Life Assurance Company for coverage in the Group Plan which the Manitoba Association of Professional Engineers has adopted as of April 1st, 1958.

This plan, which is also in effect in Ontario, Saskatchewan, Alberta and British Columbia, provides for a basic \$10,336 of protection and a 15% bonus for a very reasonable premium. The protection decreases following age 50, dropping gradually to age 74 when it approximates \$2,000.

A booklet was mailed to all members last fall but due to the limited response Council did not implement the scheme until early this year, after reaching an understanding with the North American Life Assurance Company that they would administer the plan for at least the first year. A second printing of the booklet is to be undertaken soon and mailed to all new members and those who are interested in the plan.

There are two points which merit consideration of this plan by all members:

1. The Disability Waiver clause and Conversion privilege could make this insurance attractive.
2. The insurance would become a member's personal property whether he resided in Manitoba or elsewhere as long as he retained membership in this Association.

If you wish further information, please call Mr. Milton or Mr. Cooper at 704 Toronto General Trusts Building, phone WH 3-1526.

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## From the Editor . . .

A publication of this kind, possessing neither advertisers nor subscribers, must judge its success or failure by the expressed criticism of its readers.

Since the last issue, we have received comments from two readers. The first, in a written communication, had several words to say about the Association. He considers the bulletin to be so much waste paper.

The second communication, telephoned, took the opposite opinion. This reader wanted to know when the next issue was coming out, as the suspense was unbearable.

Between these extremes must lie the general body of opinion. As an editor, we must attach greater weight to the written than to the spoken word. Following this line of reasoning to its bitter conclusion, it would appear that our bulletin is on the wrong side of mediocrity.

$\left(\frac{0+90}{2} = 45\right)$  where 100 = fullsome praise  
and 90 = fullsome praise —  
10 for being unwritten

Fortunately for your Bulletin Committee, the readers of, and contributors to, this publication, are identical people. Only, as someone must have said, some are more identical than others.

In all seriousness, we have little doubt that the bulletin performs a useful service but suggestions and criticisms, constructive or otherwise are essential. Regular news reports, articles and letters to the editor are even more essential. How about it?

## Father of the Year

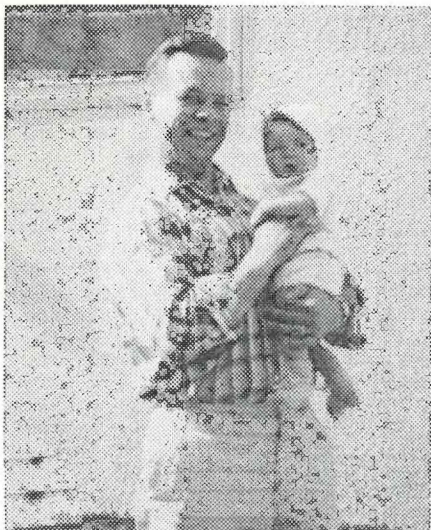


The MacBride Family: Back Row (left to right) Mrs. MacBride, Brian (16), Sharon (15), Beth (9), Malca (12). Front Row (left to right) Barry (8), Meg (6), Father (age unreported), Noella (11).

June is the month in which Father's Day falls and this year J. M. MacBride has been named Father of the Year. Jim MacBride, who is employed by the Templeton Engineering Co., is the Father of 7 children, two boys and five girls. The Editor was reluctant to send Photographer Tough on this assignment — good photographers are hard to find and taking a picture of seven youngsters, one of whom has measles, could be quite an experience. However, everything turned out well, including the accompanying picture. George reported that the children were extremely well behaved and he didn't contract the measles.

Jim MacBride says that when you have seven children you have to teach them how to behave. Mrs. MacBride has her B.A. from the University of New Brunswick and her Bachelor of Education from the University of Manitoba and she teaches at Hugh John Macdonald school. Every member of the family has his or her own responsibilities. Each makes his own bed (including Father). Everyone has his turn at the dishes (excluding Father). Brian earns his own pocket money and so does Sharon.

The family consumes about 6 quarts of milk



Nick Diakiw, the proudest Father of the Year, and four-month-old Robert William Diakiw.

a day and a cake doesn't survive the first meal. The grocery bill is somewhat staggering, likewise the clothing bill.

This summer the family plans to motor to New Brunswick and back in their station wagon.

Jim MacBride says seven is the ideal number of children and looking at the picture of this happy family, we can understand why he thinks so.

This year's runner-up is M. W. Howe who has six children and a storehouse of anecdotes about their antics, including one about the boy who tried to saw his way out of a plaster cast on his leg. Just when Mr. Howe is convinced that he has seen everything, one of the children proves him wrong. We are hoping he can be persuaded to write a story about his experiences in raising a family, which we will copyright and run in serial form in these columns.

The proudest Father of this or any other year is certainly N. W. Diakiw whose 4-month old son, Robert William, is the apple of his Father's eye. There may have been a few smarter or handsomer boys at some previous time in the world's history, but not many.

Until next June, Jim MacBride reigns as Father of the Year. Some of our members have indicated they do not intend to challenge his position and others have said they can only hope they don't. However, there are several still in the race and there is also the possibility that there is in our midst a Father of Eight, whose nomination did not reach us before press time. In the meantime, Jim MacBride rests on his laurels, knowing that seven is the ideal number.

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### TRANSFERS TO OTHER ASSOCIATIONS

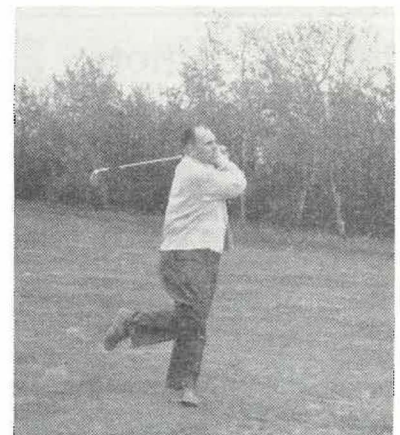
P. Presunka, H. B. Montizambert, L. V. Lockhart, J. K. Whatmough, M. Dow, A. B. Roberts, S. R. Speed, G. A. McQuitty, K. Peaker, R. B. Bozek, W. K. Roots, R. N. Fournier.

## Golf Tournament

Southwood Country Club was the scene of the Spring Golf Tournament held on May 23rd, 1958, under the able direction of Harry Benditt, George Flavell and Bill Lynn. Sixty-one golfers and others joined in to make this the largest Association tournament on record. A. B. Buchanan and H. O. Coish won dual awards, one for golf (Mr. Coish's being for the highest number of strokes on the shortest hole) and the other award for being the two best-dressed golfers. Canadian Johns-Manville was the organization best represented. C. R. Pike upheld the honour of the C.P.R. by tallying the lowest score on the first nine. Photographer George Tough won the dubious honour of high gross, or as he pointed out the award should perhaps have been for the most honest golfer.

However, it was not in the field of golf that George excelled himself during the tournament. His photography on this occasion was an outstanding achievement, as the accompanying picture of J. S. Hicks will avow. This picture surely is a classic. There were others too, which space does not permit us to reproduce here... action pictures of the President and B. Fast doing justice to their steaks, M. Lasko in a new and different golf stance, and George Flavell registering his indignation at the M.T.S. boys at one end of the table and the C.P.R. duo of Fast and Pike at the other, who kept George so busy passing olives, celery, salad, butter, sugar, salt and pepper, that he had no time to eat. The 19th hole set a new record of 3 hours, 4 minutes and 19 seconds with Frank Farish and Cliff Reade emerging as unofficial champions.

Certainly it was a highly successful tournament and thanks are due to Mr. Benditt and his committee for a job well done.



J. S. Hicks, P. Eng.

The picture of Mr. Hicks evoked a good deal of comment as it wended its way from the photographer to the presses and we are publishing some of these remarks herewith: "What game is this?" "Anyone for ballet?" "Just before the take-off." "Well, la de da". And Mr. Hicks' own comment: "It was a good shot".

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### TRANSFERS

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

W. K. Wiley, G. K. Ramsay, W. H. Mitchell, E. R. Carpenter, L. S. Mitchell, H. C. Curtis, R. F. Boyd, F. D. Young.

## FLIN FLON NEWS

By M. N. COLLISON, P. Eng.

K. A. Gamey, P. Eng., has left Flin Flon, having been transferred by Hudson Bay Mining and Smelting Co., Limited, to Toronto. Mr. Gamey is in charge of the Toronto office of Hudson Bay Exploration and Development Company Limited, having previously done time in both Flin Flon and Yukon.

A. A. Koffman, P. Eng., has returned to normal coloring, having lost most of the beautiful tan he acquired last winter while vacationing in Florida. Albert said they hit the only week of warm weather Florida had all winter and because of the prevalence of the cold weather, the normal tourist influx was non-existent.

The entire Collison family (except the dog) spent the Easter school holiday in Winnipeg. What a week! Sleep all morning, shop all afternoon and spend the night. Yep, spend the night! We took in three hockey games, two basketball games, one night of T.V. and one Boston-Montreal game on T.V. There is one thing we like about Winnipeg. There are some excellent restaurants.

We were sorry to learn of the death recently of Stanley M. Smith. Mr. Smith had been Branch Manager of Canadian Westing house in Fort William for 30 years and for the past 9 years in Winnipeg

It is with deep regret that we record the death of Axel L. Oddleifsson. Mr. Oddleifsson graduated from the University of Manitoba in 1931 after which he joined the staff of the Winnipeg Electric Company. Latterly he was associated with the Manitoba Hydro Electric Board.

## Did You Know . .

Article 12 (1) of The Engineering Profession Act reads as follows:

12. (1) Only those persons who are members of the Association or who have received a license from the Council as hereinafter provided, shall be entitled within the Province of Manitoba to engage in the practice of professional engineering, or to take or use the title of professional engineer or any abbreviation thereof.

If any member is aware of an apparent infringement of this section of the Act, it would be appreciated if he would bring it to the attention of a member of Council or the Association office.

With this issue we are mailing to all members copies of the recently approved by-law amendments. These amendments should be inserted in the proper sections in the green booklet containing both the Act and the By-laws, which is mailed to all members on registration. If you have lost or mislaid your copy of the Act and By-laws advise the office and another one will be mailed to you.

## 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.

## A SHORT HISTORY of The Association of Professional Engineers of the Province of Manitoba 1920-1945

by C. S. Landon, P. Eng.

(Excerpt from a booklet published in 1946 entitled "25th Anniversary Year Book, Association of Professional Engineers of the Province of Manitoba.")

Following the Great War, 1914-1918, development in Western Canada was greatly accelerated and a large number of projects, both public and private, were planned and carried out. Regulations controlling these were rather lax and in many instances, men wholly unqualified held positions of engineering responsibility. Although no disasters were reported, it was evident that waste of many materials of construction and faulty design had occurred.

In the Provinces of Alberta and Saskatchewan, committees of branches of the Engineering Institute of Canada reviewed the situation and studied proposals for legislation which would define engineering and set legal standards of qualifications for the safe practice of engineering, and which would also give legal status to those who qualified and were registered to practise.

The members of the Winnipeg Branch of the Institute received their first official information of this movement when the Branch was requested by the Saskatchewan Branch to assist, by sending a resolution to Council of the Institute at Montreal, asking that it open negotiations looking to the securing of Federal legislation which would give engineers definite and uniform legal and professional standing throughout Canada. The Saskatchewan Branch had submitted a copy of the resolution which it had presented to Council of the Institute and a similar resolution which was adopted and transmitted by the Winnipeg Branch. It set out that the Winnipeg Branch was desirous of having the Headquarters of the Engineering Institute of Canada approach the Federal Government with a view to securing national legislation which would give members of the Engineering Profession legal status.

After receiving petitions from all of its branches, the Institute made representations to the Dominion Government and was informed that Parliament did not possess authority to pass legislation of this nature until after there were enabling Acts on the statute books of each of the Provinces. Accordingly, Council of the Institute prepared a "Model Act" to be submitted by engineers to the Legislative Assemblies in each of the provinces of the Dominion.

At the session of the 1920 Legislature of the Province of Manitoba, a group of engineers presented a petition praying for the incorporation of "The Association of Professional Engineers." The Government of the day decided to sponsor a Public Bill, framed in such a way that it conformed very closely to the draft submitted with the petition. As a result, "An Act respecting the Engineering Profession" was passed, and assented to March 27, 1920. "The Association of Professional Engineers of the Province of Manitoba" became a body, politic and corporate, with perpetual succession and common seal (Chapter 38, Statutes of Manitoba, 1920).

The Act conferred on the Association the power to make By-laws for management and administration, defined the practice of Professional Engineering and set out clearly who might practise as a Professional Engineer. It provided that each Registered Professional Engineer shall have an impression seal, and also named a Provisional Council of the Association.

Those engineers so named by the Act were: J. G. Sullivan, W. M. Scott, Guy C. Dunn, W. J. Dick, J. M. Leamy and W. P. Brereton.

(To Be Continued)

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CANADIAN STANDARDS  
ASSOCIATION MEETING

By W. A. CORBETT, P. Eng.

The 31st annual general meeting of the Canadian Standards Association was held this year in Winnipeg at the Fort Garry Hotel on Friday, May 30th.

The agenda included the presentation of reports by the President, Dr. J. M. Thomson, by the General Manager, Mr. F. A. Sweet and the various committees on welding, electrical, timber, metallurgy, automotive and safety codes.

Slides were shown of the new C.S.A. testing laboratory in Toronto and of large welded structures built in Canada. A movie loaned from the U.S. Department of Defence was also shown that pointed out the advantages to be gained by standardization. The film took as an example the gas engines used by the military forces. Prior to the decision to standardize, the department was purchasing 78 different models for which 23,000 parts had to be stocked. Six models were chosen and by using interchangeable parts the stock items were cut to 800.

In his report, D. W. P. Dobson of the C.S.A. Testing Laboratories, mentioned that an office would be opened in Winnipeg this year with a staff of three.

Mr. Walter R. McLachlan, Executive Vice-President, Administration and Co-ordination, A. V. Roe Canada Limited, was the guest speaker at the luncheon. Mr. McLachlan, although speaking on "Canadian Unity Through Standardization", also informed the gathering of the industrial progress taking place in Russia today. He was one of a group of Canadian businessmen just recently returned from a visit to that country.

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FORMER PRESIDENTS OF THE  
ASSOCIATION

1920—M. A. Lyons	1939—W. Youngman
1921—M. A. Lyons	1940—F. S. Adamson
1922—D. A. Ross	1941—G. E. Cole
1923—A. A. Young	1942—C. V. Antenbring
1924—A. J. Taunton	1943—H. S. Rimmington
1925—C. H. Fox	1944—H. S. Rimmington
1926—D. L. McLean	1945—G. E. Cole
1927—Wm. Aldridge	1946—J. W. Battershill
1928—W. G. Chace	1947—B. A. Johnston
1929—C. H. Attwood	1948—B. A. Johnston
1930—C. H. Attwood	1949—T. E. Storey
1931—R. W. McKinnon	1950—W. D. Hurst
1932—J. W. Sanger	1951—W. D. Hurst
1933—J. W. Sanger	1952—C. L. Fisher
1934—H. M. White	1953—J. L. Charles
1935—J. N. Finlayson	1954—G. B. Williams
1936—A. L. Cavanagh	1955—J. Hoogstraten
1937—E. V. Caton	1956—J. Hoogstraten
1938—P. Burke-Gaffney	1957—N. S. Bubbis