

The Alumni

NEWS

DALHOUSIE UNIVERSITY



JULY 1963

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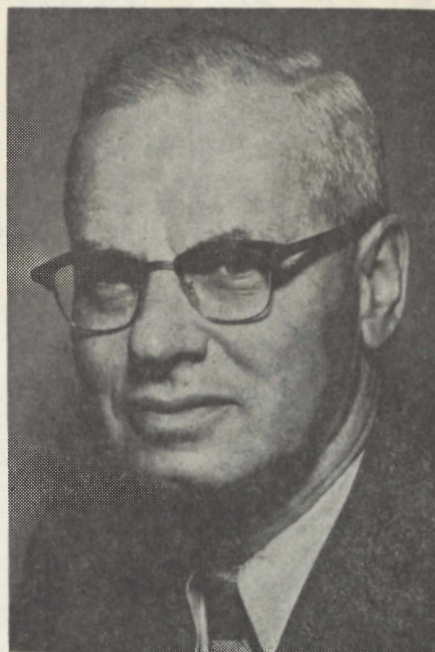
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Halifax, Nova Scotia

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payment of postage in cash.

COVER:

Winifred Anne Macmillan, B.Sc. '63, Computer
Programmer, is shown operating the IBM 1620 at
Dalhousie.



Dr. F. R. Hayes



Dr. H. B. S. Cooke

***New Vice-President and Dean
of Arts and Science Appointed***

A newly appointed vice-president and a new dean of Arts and Science will take over President-elect Dr. Henry Hick's present positions on July 1, the Board of Governors of Dalhousie University announced in May. The new vice-president is Dr. F. R. Hayes, director of the Institute of Oceanography and head of the Department of Biology.

Dr. H. B. S. Cooke, who was appointed a full professor of geology earlier this year, will be the new dean of the Faculty of Arts and Science. Dr. Hayes will remain director of the Institute of Oceanography, but will leave his post as department head. Dr. Cooke is to continue his teaching in the Department of Geology.

Dr. F. R. Hayes

Dr. Frederick Ronald Hayes was born in Parrsboro, N. S., in 1904. He attended public schools in Parrsboro and Halifax, the Halifax Academy and Pictou Academy.

He received his bachelor of science degree in 1926, his master of science degree in 1927, both at Dalhousie University. In 1929 he earned his Ph.D. degree in oceanography at the University of Liverpool. He studied as a post

doctoral fellow of the Rockefeller Foundation at the University of Kiel, 1929-30; the University of Liverpool awarded him a doctor of science degree in 1948.

He has carried out investigations at marine laboratories in Canada, the United States, England and Germany. For two seasons he served as an instructor at the Marine Biological Laboratory, Woods Hole, Mass.

Dr. Hayes was elected a Fellow of the Royal Society of Canada in 1946. At present he is the chairman of the Royal Society section for animal biology and medical science. He has been a member of the Fisheries Research Board of Canada since 1955, a member of the National Research Council of Canada since 1959.

Dr. Hayes is the author of about 50 research papers in scientific journals.

Dr. H. B. S. Cooke

Dr. H. B. S. Cooke was born in South Africa and received his school and early university education there. He studied at Cambridge University and graduated with honors in 1936. Two years later he joined the staff of the Department of Geology at the University of the Wit-

watersrand and he also worked in close collaboration with the government Archaeological Survey, which was housed at the university. In 1940 he received the M.A. degree from Cambridge University and the M.Sc. degree from the University of the Witwatersrand.

At the end of the war he prepared four monographic studies on fossil mammals and was awarded the degree of D.Sc. in 1947. He was also elected a Fellow of the Royal Society of South Africa. He resigned his post at the university in 1947 to join the University of California African Expedition and direct their geological work for a year in Egypt, the Sudan, East Africa and Mozambique. He then worked for five years on his own account as a consulting geologist. In 1953 he returned to a senior post at the University of the Witwatersrand. Three years later he received an award from the Royal Society and the Nuffield Foundation and spent six months in England but soon after his return was invited for the academic year of 1957-58 to the University of California, Berkeley, where collections of fossil mammals from Africa were studied and described.

Dr. Cooke has occupied presidential offices in such bodies as the South African Archaeological Society, the S. A. Geographical Society and the S.A. Association for the Advancement of Science. He was honored by the Geological Society of South Africa in being invited to deliver the fifth Alex L. du Toit Memorial Lecture in 1957. He has been much concerned with adult education and is well known on the radio in South Africa, as a lecturer, and as a writer of articles in magazines and in the daily press.

His interests included museum display and planning and he designed and set up the Hall of Science for the government pavilion at the Central African Rhodes Centenary Exhibition. For ten years he was editor of the monthly South African Journal of Science.

At the time of his departure from Johannesburg for Dalhousie in 1961, he was chairman of the Bernard Price Institute for Palaeontological Research and Reader in Stratigraphic Geology at the University of the Witwatersrand, the title of Reader being a rare one bestowed "for outstanding academic distinction". He has published a textbook on geology, now in its fourth edition, a history of science in South Africa and more than fifty scientific papers and monographs.

Dr. Cooke is married and has two sons, aged 16 and 12.

NEWS FROM THE BRANCHES

KINGS-HANTS: A. Gordon Archibald, Vice-Chairman of the Board of Governors and Dr. Henry D. Hicks, President-elect of Dalhousie, were guest speakers at a special meeting of the Kings-Hants Branch, held on April 23.

The meeting which was called by Branch President Seymour Gordon, was designed to acquaint alumni with the local appeal for funds under the \$16,100,000.00 Dalhousie Expansion Fund.

Those in attendance included Foster E. Bateman, local Chairman for the Windsor area and Edwin H. Dewis, Chairman for the Wolfville area, as well as canvassers and interested Alumni.

During the meeting, which was held in the Paramount Hotel in Wolfville, canvassers were given pledge cards and canvasser's kits. Bernard Willan of the Dalhousie Fund Office and Alumni Director, Bruce G. Irwin gave brief instructional talks to the workers on canvassing and remitting returns.

The guest speakers, Messrs. Archibald and Hicks, told the group about progress to date on the Fund, the number of Alumni who are giving freely of their time in the interest of the University and of the importance of Dalhousie's plans for expansion to meet the forthcoming rise in registration, which is expected to reach 5,000 students by 1971-72.

The evening concluded with a pleasant social hour, during which sandwiches and coffee were served, and alumni had an opportunity to meet informally with the guests from the University.

CAPE BRETON: The Dalhousie Alumni, Cape Breton Branch, held a Dinner Meeting on Saturday Night, April 27, with President Hilroy Nathanson presiding. The meeting was held at the Isle Royale Hotel in Sydney, with 30 members, their wives and guests in attendance.

The evening activities commenced with a reception, where Alumni were able to renew old acquaintances once more. Members were in attendance from Baddeck, Glace Bay, North Sydney, Sydney Mines, as well as from Sydney. Reminiscence and nostalgia were the order of the first part of the evening.

The honored guest and special speaker of the evening was Dr. Henry D. Hicks, President-elect of Dalhousie. During the reception we were afforded the pleasure of meeting Dr. Hicks, (many of us for the first time). Many Alumni, especially those who have followed the political scene, had met Dr. Hicks on a number of occasions.

Dr. Hicks was ably introduced by Harvey Webber, prominent city businessman, who highlighted, ever so briefly, the distinguished academic, military, and political career of our President-elect, a native born Nova Scotian to be sure.

Dr. Hicks traced the history of our famous Institute of Higher Learning. He told us of his ambitious plans for Dalhousie, of great strides made in the last 20 years and of the steps which will be taken in the next ten years to keep Dalhousie prominent not only in the Atlantic Provinces, but in Canada and the World. He told us that the high standards of Dalhousie will always be maintained and never sacrificed for the sake of growth or any other factor. The members could not help but be greatly stirred by our brilliant guest speaker. Dr. Hicks was capably thanked by Bob Inglis.

A short meeting was held, in which Hilroy Nathanson spoke on the activities of the Dalhousie Alumni of Cape Breton. The previous year was highlighted by a public lecture, in which Dr. Guy MacLean, a Sydney native and Professor of History at Dalhousie, spoke on West Germany, and its influence on the world.

The following Officers were elected to serve one year: President: Robert D. Inglis; Vice-President: Denne Burchell; Secretary-Treasurer: Hy Goldberg; Executive Members - Baddeck: Miss Nancy McDermid, Sydney Mines: Dr. Kenneth Fraser, North Sydney: Gerry Nickerson, Glace Bay: Miss Marie Fergusson, Sydney: Jim MacInnis, Louisburg: Harvey Lewis, New Waterford: M. J. Hinchey, Q.C.

(signed) Hy Goldberg,
Secretary-Treasurer.



The central processor of the 1620 system is shown above. The control panel is in front and within this unit is the memory. In the photo on the right, the programmer, Miss Macmillan, operates the card reader and punch.



gram, and the 1620 Computer operates by storing the complete program in the memory and then executing the commands sequentially. Each command consists of twelve numbers, the first two of which designate the operation, for example 21 means add, and the remaining ten digits normally refer to a pair of five digit locations. When we have a number occupying a group of locations in memory, the group is normally referred to by the highest numbered location in the group.

Consider a simple example by way of illustration. If we wish to multiply 25 by 35, we put the following program into the machine.

```

16 00800 00025
16 00812 00035
23 00800 00812
26 00795 00099
38 00790 00100

```

Execution of the first command places the number 25 into a group of storage locations, the last of which is numbered 00800, and similarly the second command places the number 35 in 00812. The third command tells the machine to multiply the contents of location 00800 by the contents of location 00812, the result of which automatically goes to location 00099. The fourth command moves this product to location 00795. In final command the 00100 refers to the typewriter and the 38 means to write the contents of the memory starting at 00790 and 00795 where the answer is contained.

The above printed instructions which tell the machine how to perform this particular problem give us an indication of what would be required if we were to

put a complicated problem into the machine. We might have complications arising either from the large number of individual bits of data or because we are dealing with a very difficult mathematical expression, which when it is broken down into its component parts involves thousands of individual instructions or thousands of individual operations. One can readily see that programming a complex problem would be both difficult and tedious because of the necessity of remembering all of the locations in which individual elements of the problem are stored. The method of communication between operator and machine described so far is called machine language.

Because programming in machine language is such a difficult art, the idea was devised a few years ago of using the computer to write its own programmes. This is done in the following manner. A program, written with great care and taking years to develop, is placed in the memory of the machine. The problem to be solved is then placed in the machine in a form closely resembling ordinary algebra. The computer then punches out a deck of cards which contain the program required - translated into machine language and ready to load into the computer. This system, developed by IBM, is called FORTRAN (FORMula TRANslation). For example, if we wish to find the value of Y in the expression, $Y = \log(X + \sin(X))$, we could write the equation in just this fashion and then enter the value of X and the computer would do the rest. This system removes a good deal of the difficult and tedious work of programming and has proven

so successful that almost all computers, including the very large ones, are programmed by FORTRAN or similar systems.

The rapidity with which the internal operations of the computer are carried out is remarkable. For example, additions or subtractions of 10 digit numbers can be done at a rate of one thousand per second, and the speed is greater if smaller numbers are used. Thus, problems which would take years by hand, or months by desk calculator are done in minutes by the computer. This means not only that problems are done more efficiently and more cheaply but also that large areas of research in which mathematical difficulties prevented progress in the past, can now be pursued.

The computer has been on the campus for only a few months, but it has already proven its value in many ways. It is primarily an educational tool and has been used a great deal in the teaching of mathematics. Most of the advanced students in mathematics spend some time learning the theory and operation of the computer. In the training of many mathematicians, scientists and engineers, the computer is playing a significant role, and computers of various kinds play such an important role in modern business that plans are underway to use our 1620 in the teaching of some commerce classes.

The research efforts at Dalhousie extend throughout many departments of the University and the computer has been used in some way in many of them. A few examples will illustrate the uses.

In the medical school, one of the re-

(CONTINUED ON PAGE 16)

Dr. Kerr Elected Honorary President At Annual Meeting

Dr. A. E. Kerr was elected Honorary President of the Dalhousie Alumni Association at the Annual Meeting, held on May 13 in the Men's Residence. Dr. Kerr, who is retiring in August after 18 years as University President, was honored by the Alumni for his long years of service to the University.

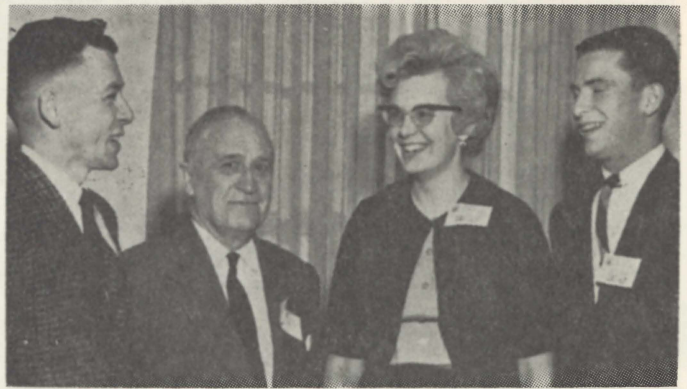
Members of the Class of '63 were special guests of the Association during the evening and joined the alumni at an enjoyable buffet supper prior to the meeting. The supper and the meeting were held in the attractive main dining room of the Residence.

Alumni President, Carmen F. Moir, presided over the business meeting which followed the supper and opened proceedings with a general welcome to the meeting and a special welcome to the graduating class. Allan J. Robertson, Life President of the Class of '63 thanked Mr. Moir on behalf of the class and introduced his fellow Life Officers, who are: Honorary President - Dr. A. E. Kerr; Vice-President - Richard A. Thompson; Secretary - Miss W. A. Macmillan; Vaedictorian - Harold H. MacKay; Historian - Miss Judy B. J. McMahan; and Treasurer - T. William Sommerville.

Following adoption of the minutes, which had been circulated in printed form, reports were given on the activities of the Association during the past year. In his report, President Moir spoke of the homecoming held the year before, and of the very successful Football Dances sponsored by the Association for Dalhousie students during the fall. Commenting further on the dances, he said, "Students and their escorts were admitted to the dances free of charge as guests of the alumni. This project is one of the most successful ever undertaken by alumni for the students, and has done much to make the students aware of the Association."

Mr. Moir also reported that the Association had supported a very successful "Meet Medicine" programme held in October, and suggested that each year a segment of Dalhousie's Life should be made available to alumni and the public. Continuing his report, President Moir announced that a \$20,000 Scholarship Fund is to be established by the Association. The income from this fund should produce a scholarship of \$1,000 per year to be awarded in the name of the Alumni Association. The fund will be built up during the next five years with money set aside from the annual revenue of the Association. "Alumni dues, which have been \$3.00 per year for 30 years have been raised to \$5.00 per year, with the additional revenue being used to establish the scholarship by 1967", Mr. Moir said. He also said that special gifts for the fund from interested alumni would be welcomed.

The executive has agreed to co-sponsor, with the Canada Council, a series of five concerts during the next year. These concerts will be held in room 21, with a special reduced rate for



During the Annual Meeting, the cameraman caught Alumni President, Carmen F. Moir, Dr. Kerr, Linda Tracy, of the Class of '63 and Al Robertson, President of the Class of '63 in pleasant conversation.

University students. Mr. Moir also reported that the Alumni had participated in the first Winter Carnival at Dalhousie and that the Alumni football team met, and defeated, Varsity in the first Snow Bowl game by a score of 8-0. During half-time several hundred cups of hot coffee and many dozens of donuts were served to the spectators by the Association. Mr. Moir also reported on the revision of the Association By-Laws which were proposed later in the programme, and on the \$16,000,000 expansion programme for the University. Mr. Moir and Mr. Murray M. Rankin are co-chairmen of the Halifax-Dartmouth Alumni appeal and are alumni representatives on the management committee of the University Fund. Mr. Moir, in his report, called for alumni to give the University Fund their whole-hearted support. In closing, Mr. Moir extended his very best wishes to Dr. and Mrs. Kerr upon their retirement and pledged the support and cooperation of the Alumni to the President-Elect Dr. Henry Hicks. In conclusion, Mr. Moir extended his sincere thanks to all alumni and friends of the University who had assisted and supported the Association during the year.

Following Mr. Moir's report, the First Vice-President, Miss Janet Sinclair, who is chairman of the Women's Division, reported on the work of her group during the year. She reported that the coffee party held at Sherriff Hall on September 9, was most successful, and that the Alumnae's next party would be held on November 2, 1963.

The treasurer's report was delivered by John D. Moore, who reported a successful financial year for the Association, with revenue exceeding expenditures by \$2,562. Associate Treasurer, Mrs. H. L. Roper reported on the financial transactions of the Women's Division, including the Emily Bevan Harrington Fund and the Student's Loan Fund.

Dr. F. Murray Fraser, President of the Dalhousie Medical Association reported a very successful year for his group which was highlighted by a most enjoyable Annual Dinner Meeting at the Lord Nelson Hotel on November 6. He reported that membership in his Association continues to be satisfactory and that the affairs of the Medical Alumni are well in hand.

The final report was given by Alumni Director, Bruce G. Irwin, in which he reported that two new branches had been organized during the past year. These were in Prince Edward Island and in St. John's, Newfoundland. This brings the total number of branches in existence to 17. Many of these have been active during the past year with meetings and various projects. Mr. Irwin also reported on the gratifying degree of alumni participation in the organization of the Dalhousie Fund. He said that in all areas across Canada and the United States, alumni are giving freely of their time and effort for the Fund and are working hard toward a successful achievement of the \$16,100,000 goal.

Following the reports, the Vice-Chairman of the Board of Governors, A. Gordon Archibald, spoke briefly to the meeting on The Dalhousie University Fund. Mrs. E. C. Harris reported that everything is in readiness for the establishment of a long sought Dalhousie Club, but no suitable property has been found to date, in spite of the fact that the committee has been constantly searching for a suitable house, and has inspected many properties in the University Area.

One of the more important items of business transacted during the meeting was the adoption of a Motion to revise the By-Laws of the Association. The By-Laws revision had been completed after a considerable amount of work on the part of the Committee and the Chairman, Prof. A. J. Meagher, Q.C. The revised By-Laws had been circulated to all alumni in printed form prior to the meeting and were passed, as proposed, following a brief discussion. The new By-Laws, which become effective on July 1, 1963, have been designed to conform to the present aims and increasing activities of the Association.

The election of officers followed the general business portion of the meeting. This year the election of officers phase of the meeting also included special presentations to Dr. Kerr. The first honor bestowed on the retiring President was his election to the office of Honorary President of the Association. Dr. Kerr was nominated for the position by the Hon. Mr. John Doull and his nomination was seconded by Mrs. Zilpha Linkletter. Alumni President, Carmen Moir, then presented Dr. Kerr with an engraved wrist watch from the Association in gratitude for his many years of service to the University. Miss Janet Sinclair, presented a diamond and pearl broach to Dr. Kerr, for Mrs. Kerr, who was unable to be present because of illness. As a final token of goodwill, Mrs. H. L. Roper, on behalf of the Alumni Association, presented suitably framed honorary life membership certificates to Dr. and Mrs. Kerr. Following the presentation of honorary life membership certificates, Dr. Kerr gave a very gracious and heart-warming speech of acceptance and thanks to the meeting.

The report of the Scrutineers was given by Prof. A. J. Meagher. He reported that as a result of votes cast by ballots which had been mailed to alumni prior to the annual meeting, the following were elected:

President - Carmen F. Moir; First Vice-President - Miss Janet E. Sinclair; Second Vice-President - Dr. William A. Murray; Executive Members - Rev. Alexander J. Farquhar, Nathan Green, Q.C., Dr. Byron L. Reid, Mrs. J. Wesley Campbell, Mrs. W. H. Doane; Representatives on the Board of Governors for 1963-66 - Dr. Maurice E. Keating, Aaron Zive and Mrs. F. R. MacAloney.

The final business for the evening was the appointment of Prof. E. C. Harris and W. D. Outhit as auditors for the year.

Following the meeting, a dance was held in the library of the residence, which was enjoyed by all who attended.

MONTREAL

The Montreal Branch held a pleasant social evening in the Hillside Armories on April 19.

The programme was strictly informal, with the accent on sociability. Arrangements for the party were made by the Secretary-treasurer Jack Rowe, in the absence of Branch President Sue (Palmer) Wright who was honeymooning somewhere out of town at the time. Jack was also ably assisted by Jean (Bowers) Morgan and other members of the Branch executive.

Alumni Director, Bruce Irwin from the Alumni Office in Halifax, was present for the occasion and gave a short talk to the group on present developments at Dalhousie. He spoke on the plans for the future and the \$16,100,000.00 University Expansion Fund.

A very brief business meeting was held, during which the executive of the previous year was re-elected for the ensuing term. Following the business meeting, refreshments were served.



'96

Rev. A. D. Stirling, B.A. was honored by the United Church Maritime Conference in Sackville this year. He was ordained 65 years ago and served churches in various places in Nova Scotia and Prince Edward Island. He is retired and living in Pictou.

'05

Rev. Hugh Miller, B.A., M.A., D.D., and Rev. A. S. Weir, D.D., were honored for 55 years in the ministry. Dr. Miller lives in Campbellton, N. B., and Dr. Weir at Pownal, P.E.I.

'11

Dr. Harold B. Atlee, M.D., C.M., was honored at ceremonies to mark the opening of the new wing of the Grace Maternity Hospital, Halifax in May. The inscription on the leather-bound and framed certificate presented to Dr. Atlee read in part: "... teacher, writer, and great advocate of the arts. . . . we honor you today because of your great contribution to the development of the Salvation Army maternity hospital in Halifax and above all for the improvement in obstetrics in the Maritime provinces which has resulted through your teaching and practising." Dr. Atlee still works in an advisory capacity.

'13

Rev. W. A. MacQuarrie, B.A., of Georgetown, is retiring from active ministry in the United Church this year. Rev. T. E. MacLennan, '18-'19, Truro is also retiring.

'21

Alfred P. Frame, B.Sc., senior vice-president of Cities Service Company has been appointed president of Cities Service Oil Company and Cities Service Refining (Canada) Limited. He and Mrs. Frame will make their home in Toronto. Mr. Frame was also elected a Director of the Canadian Imperial Bank of Commerce recently.

John R. (Jack) Nicholson, B.A., LL.B., has embarked on his third major career, that of federal minister of forestry. He is Liberal MP for Vancouver Centre. From 1924 to 1941 he practised law in

Vancouver. In 1941 he was appointed deputy controller of supplies for the federal munitions and supply department. Later he was asked to set up Canada's synthetic rubber program, which resulted in the organization of the Polymer Corporation Limited at Sarnia, Ontario, and with which he held top executive posts. In 1952 he moved to Rio de Janeiro where he managed the operating subsidiaries of the Brazilian Traction Light and Power Company Limited until 1956. His wife is the former Jean Annand, B.A. '22.

'23

Claude Richardson, Q.C., received the Mental Hygiene Institute's 1963 Mental Health Award of \$1,000 at their last annual meeting held in Montreal. The award is given every three years to the person making the most outstanding contribution to the mental health of the Canadian people. Back in 1928, Mr. Richardson was instrumental in getting the Mental Hygiene Institute's charter in Quebec.

Rev. J. A. Nicholson, Arts '19-'23, has accepted a call to Waverley United Church. For the past few years he held a pastorate at Glace Bay.

'24

George H. Pringle, Dip. Eng. '24, executive director of the Mead Corporation of Chillicothe, Ohio, has been elected a director of the Columbia Gas System, Inc. Earlier this year he received the Outstanding Citizen Award of the Chillicothe Junior Chamber of Commerce, and was elected a director of the Ohio Fuel Gas Company and the Ohio Valley Gas Company.

William S. Cave, Dip. Eng. '24, B.Sc. '25, has been presented by the United States Army with the Department of the Army Exceptional Civilian Service Decoration, the highest award that can be given by the Army to a civilian employee. The decoration consists of a gold medal, lapel rosette, and certificate which carries the following citation, in part: "For exceptional performance of duty during the period January 1, 1956 to August 1, 1962. His leadership as Chief, Electrical and Mechanical Branch, Engineering Division, Civil Works Directorate, Office of the Chief of Engineers, together with his outstanding technical skill, have been the contributing factors in effecting savings of approximately \$21,000,000 in the design and development of hydroelectric

power units. . . ." Mrs. Cave is a sister of N. A. M. MacKenzie, B.A. '21, LL.B. '23, former president of the University of British Columbia.

Rev. W. H. Forsythe, B.A., is retiring from the active ministry in the United Church this year. His last pastorate was at Kincardine, P.E.I.

'27

Murray M. Rankin, B.A., B.Com. '29, of Halifax is the new president of the Nova Scotia division of the Canadian Mental Health Association. He is assistant supervisor of schools for Halifax.

Gordon Ray Holmes, Q.C., of Charlottetown, has been appointed as district judge in admiralty of the Exchequer Court of Canada in and for the admiralty district of Prince Edward Island.

'30

We had a very interesting letter from George C. Whiteley, B.Sc., containing several helpful suggestions. We were pleased to learn that he is chairman of the Science Department at the Hill School in Pottstown, Pennsylvania, and last year was given a \$500,000 teaching chair endowed by an American Foundation.

Rev. Dr. E. A. Betts, M.A., has retired from active ministry in the United Church. He and Mrs. Betts will live in Halifax, where Dr. Betts has accepted the position of archivist at Pine Hill Divinity Hall. He will also do part time lecturing at the College.

'31

A. Gordon Cooper, Q.C., B.Com., B.C.L. (Oxford), B.A. (Oxford), has been named management representative on a conciliation board set up to inquire into a contract dispute between Dosco and United Mine Workers of America, District 26, in Sydney.

'32

Roy Duchemin, B.A., LL.B., has been appointed to the Board of Governors of King's College. He is president of the Post Publishing Company, Sydney.

'33

Miss Aileen Meagher, B.A., has had her painting "Iceberg Finale" selected

for the Dalhousie University Art Gallery. This painting was awarded first prize in the Maritime Art Exhibition showing at the Beaverbrook Art Gallery in Fredericton, last year, and its purchase has been made possible by an anonymous donation. Miss Meagher teaches at St. Mary's Boys' School in Halifax.

'34

Lt. Col. James R. Millar, B.A., of Springhill, has been promoted to the rank of colonel and appointed deputy chaplain-general (Protestant) of the Armed Forces and director of chaplain services at army headquarters in Ottawa. He has been command chaplain (P) at Central Command headquarters in Oakville, Ontario.

'35

John M. Crosby, B.A., has been appointed chairman of the Maritimes Transportation Commission. He was formerly vice-chairman for the New Brunswick commission, and is treasurer of the Crosby Molasses Company, Limited, of Saint John.

'38

Dr. E. M. Fogo, B.Sc., M.D., C.M. '42, has been appointed Halifax City commissioner of public health and welfare. The appointment is to fill the vacancy caused by the resignation of Dr. A. R. Morton, M.D., C.M. '25, for reasons of health.

Harold A. Renouf, B.Com. is now manager of the main office of H. R. Doane, Limited, Chartered Accountants, Halifax. For the past few years he was resident manager in New Glasgow, and prior to his departure, a farewell party with presentation was given to Mr. and Mrs. Renouf by members of the staff.

Captain R. J. Wallace, Arts '36-'37, of Fredericton, accompanied by his wife and son, is leaving for Ghana, where he has received a posting with the Royal Canadian Navy.

'39

Dr. P. S. Christie, D.D.S., was made a Fellow of the International College of Dentists. He is on the part-time staff of Dalhousie University, besides having a practice in Halifax.

Dr. Charles A. Reilly, B.Sc., M.Sc. '40, has been elected a Fellow of the American Physical Society. He is a physicist in

the chemical department of Shell Development Company's Emeryville Research Centre.

'40

Lt. Col. Archibald B. MacKenzie, LL.B., has been appointed to the post of liaison officer attached to the Canadian Embassy, Washington, D.C. He relinquishes the post of RCA staff officer at military headquarters in Ottawa. He is formerly from Halifax and is married to the former Joan Godfrey, Arts '44-'47. They have two children.

Dr. J. E. Blanchard, B.Sc., M.A., Ph.D. (Tor.), Professor of Geophysics, took part in the preliminary studies made by the Nova Scotia Research Foundation, which have been partly responsible for the establishment of a \$12,000,000 cement manufacturing plant at Brookfield, near Truro. Dr. Blanchard's work with the Foundation led to the location of suitable materials for cement manufacturing in that area. Also working on the project in Brookfield were John Cordes, B.Sc. '62, and Jonathan Berger, B.Sc. '62 (Eng. Phys.).

Dr. Crossman H. Young, M.D., C.M., specialist in Internal Medicine, and Nova Scotia Chairman of the Canadian Heart Foundation, was elected president of Maritime Medical Care, Inc., this year.

Dr. Ralph F. Plumer, M.D., C.M., has been promoted to the rank of surgeon commander in the Royal Canadian Navy. He is a native of Woodstock, and since 1959 has served as assistant principal medical officer at HMCS Cornwallis, Digby.

'42

Dr. D. Cantelope, M.D., C.M., was the winner of the Upjohn bursary valued at \$500. The award provides for a two-week post graduate course in a specialty and hospital of his own choice.

Dr. R. H. Bingham, D.D.S., was recently made a Fellow of the International College of Dentists. He is a professor in the Faculty of Dentistry at Dalhousie University.

'43

Dr. H. C. Read, M.D., C.M., has been awarded a grant by the Canadian Arthritis and Rheumatism Society. The grant is for the research into the structure of connective tissues involved in arthritis and rheumatic diseases.

'45

Dr. John B. Hibbitts, B.A. (K), M.A. (K) '46, B.Litt. (K) '48, has been appointed dean of divinity at the University of King's College. After a distinguished scholastic career, Dr. Hibbitts returned to King's College in 1954 as associate professor, and in 1959, became professor of biblical studies.

'46

Roderick G. Fredericks, B.A., M.A., is one of the 18 Canadian teachers who will go to Africa to act as instructors in summer schools. Mr. Fredericks, who is a teacher at Kingston, N. S., will be attached to a group instructing young teachers in Liberia and Nyasaland. The group will work without pay.

'47

Dr. S. G. Whiteway, B.Sc., M.Sc. '48, is the author of an important technical paper which appeared in the May issue of *The Journal of the American Society*. It is entitled "Density and Permeability of Sintered Slip-cast Magnesia." Dr. Whiteway is now research officer in the High-Temperature Chemistry Section, Atlantic Regional Laboratory of the National Research Council of Canada, at Halifax.

C. Peter MacColough, LL.B., has been elected executive vice-president of operations by the directors of Xerox Corporation, Rochester, N. Y. Along with other responsibilities, he is in charge of the company's business development and government relation functions. He has been with the company since 1954.

'48

Arthur R. Moreira, B.A., LL.B. '50, has been appointed as a commissioner under the Public Inquiries Act, to investigate money-lending practices in the province. He is a Halifax barrister with the firm of Daley, Black, Moreira and Piercey.

Gerald A. Reno, Dip. Pharm., has been appointed emergency health supplies officer for Nova Scotia. He operates his own pharmacy in Halifax.

Dr. Donald Betts, B.Sc., M.Sc. '52, Ph.D. (McGill), formerly of Halifax, and now associate professor of physics at the University of Alberta, has been awarded a NATO science fellowship valued at

\$4,500. He will spend one year studying advanced physics at King's College, London, England.

Major A. N. (Sandy) Campbell, B.Sc., M.D., C.M. '54, was decorated last October by the Governor General with the order of "Serving Brother to the ancient and venerable hospital of St. John of Jerusalem." This honor was in recognition of his work in training the medical unit which won the Canadian award in a nation wide competition in hospital safety and first aid. He is a native of Yarmouth.

Murray Malloy, Dip. Eng., has been appointed district sales manager for Douglas Engineering Company Limited of Toronto. He will operate from the company's Montreal office, covering Ottawa, Quebec City and the Maritimes.

'51

Rev. Lloyd R. Gesner, B.A., has been appointed registrar and dean of men at the University of King's College. He was a former headmaster at King's College School at Windsor, N. S., and until recently was on the staff of St. Andrew's College, Aurora, Ontario, where he was senior master in classics and scripture.

Orval J. T. Troy, LL.B., has accepted a position as executive assistant to Hon. William Benidickson, federal minister of mines and technical surveys. For the past three years he was executive director of the Nova Scotia Liberal Association.

Arthur L. Foote, B.A. '51, LL.B. '54, of French River, N. S., received the Master of Laws degree from the University of Michigan at their recent commencement.

Arthur R. Murphy, B.Sc. '51, Dip. Eng. '53, is now Technical Superintendent of Garden City Paper Mills, at St. Catharines, Ontario. He was previously associated with C.I.P. Fibreboard Mill, Gatineau, Quebec, as Assistant Chemist.

'53

Dr. D. A. Gillis, M.D., C.M., of Halifax, has been elected an affiliate of the American Academy of Paediatrics. He was one of 250 physicians voted into membership at the organization's meeting in Los Angeles.

David A. Roscoe, B.A., B.Com., C.A., has been appointed Comptroller of the Nova Scotia Trust Company. He is a lecturer in accounting in the faculty of Commerce at Dalhousie.

Dr. William K. Dickie, D.D.S., has been promoted to the rank of Major, and is stationed at the Canadian Forces Hospital in Kingston, Ontario.

'55

Hilroy Nathanson B.A. (K), LL.B. '58, has been elected president of the Sydney Kinsmen Club. He practises law in Sydney.

'58

George F. W. Inrig, B.A. (Queens) LL.B., is now in partnership with the Honourable Leslie M. Frost. The firm is Frost, Inrig and Gorwill, in Lindsay, Ontario.

Miss Nancy Lane, B.Sc., M.Sc. '61, has been awarded a NATO scholarship valued at \$2,400. The awards are for the purpose of stimulating the exchange of postgraduate students between members of NATO countries. She will continue studies in biology at Oxford University, where she is working towards a doctorate. She is also the winner of a \$500 special award by Canadian Federation of University Women, which will allow her to complete zoology studies at Oxford.

Dr. Edmund Ryan, '58-'60 (Psych), has been appointed psychiatrist for the clinic to be established by the local branch of the Canadian Mental Health Association in Amherst, N. S.

Gerald B. Locke, Dip. Pharm '58 has been appointed Assistant General Manager of Lawton's Drug Stores Limited, Halifax. He is a native of Yarmouth.

'59

John Charles (Buddy) MacEachen, B.Com., has been appointed chief finance officer for Thor Manufacturing Company, Granby, Quebec. He is a native of Sydney.

'60

F. Murray Fraser, B.A. '57, LL.B. '60, has been appointed to the Faculty of Law, Queen's University. He has recently completed post-graduate studies at the University of London, on a MacKenzie King scholarship.

Dr. Peter Fransblow, D.D.S., is a post-graduate student in the Royal College of Surgeons in London, England. He is also employed by Eastman Dental Hospital in London.

'61

Miss Elizabeth MacDonald, B.Ed., has won a \$1,000 scholarship which is award-

ed by the Nova Scotia Teachers' Union. She teaches English and Science at Sheet Harbour Consolidated High School.

J. Leonard Embree, Arts '49-'50, '61-'62, has won a \$200 summer school bursary. He teaches at Gorsebrook School in Halifax.

Otto Haenlein, B.A., B.Ed. '62, has been appointed to the faculty of St. Mary's University in Halifax, as a lecturer in the department of German. He will take up his new duties in September.

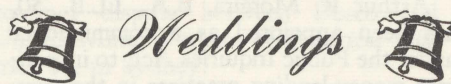
'62

Roger W. Doyle, B.Sc., has been awarded a fellowship at Yale University, where he will study for his Ph.D. in biology. He expects to receive his M.Sc. in biological oceanography at Dalhousie in October.

Fred J. Dickson, B.A. (Acad), LL.B., Glace Bay lawyer, has joined the legal firm formerly known as McLellan, Burchell, Sullivan and Matheson of Sydney. Following the appointment of Robert S. MacLellan, LL.B. '48, Sydney, a former firm member, as chairman of the Restrictive Trade Practice Commission, the firm was reorganized and is now known as Burchell, Sullivan and Dickson.

Hollis M. Whitehead, B.Sc., has received a \$2,400 National Research Council grant for continued post-graduate study. Mr. Whitehead, a native of Port-of-Spain, Trinidad, has held several scholarships, and will continue his studies at Dalhousie in physical chemistry.

John G. Cordes, B.Sc., a graduate student in the department of physics has won the Shell post-graduate scholarship for two years' study in the United Kingdom. The scholarship is valued at £850 plus travel allowances.



September 1, 1962, Lois J. Robertson, Dip. P.H.N. '53, of Stellarton, N. S., to Lloyd C. Acres, Dip. Pharm. '48, of Kingston, N. S.

March 23, 1963, Maryan Taylor King, Arts '53-'55, of Halifax to John Edward Richard Shepherd of London, England.

March 1963, Marilyn Faye Bonvie, R.N., Dip. Teach. & Supervision in Schls. of Nurs. '59, to Douglas Hoare of New Glasgow, N. S.

April 15, 1963, Suzanne M. Palmer, B.A. '55, of Charlottetown, P.E.I., to Peter H. H. Wright of Saint John, N. B.

April 20, 1963, Margaret Campbell Johnson, R.N., of Wolfville, N. S., to William Hue McCurdy, B.Comm. '56, of Halifax.

April 30, 1963, Miss Harris of Pembroke, Ontario to Capt. G. H. B. (Bert) Severance, Arts '53-'57, of Sydney, N. S.

April, 1963, Janice Elizabeth Hurlbert B.A. '58, of Tusket, N. S., to Robert Henry March, Dip. Engin. '58, B.Sc. '59, M.Sc. '60, of Oxford, England.

April, 1963, Joanne Dae Gerow of Sioux Falls, S.D., U.S.A., to Dr. D. Thane R. Cody, M.D., C.M. '57, of Rothesay, N. B.

May 18, 1963, Florence Margaret Thomas of Berwick, N. S., to Robert France Ferguson, LL.B. '62, of Sydney Mines, N. S.

May 18, 1963, Joanna Cambden of Newport, Essex, England, to David H. W. Dibblee, Dip. Eng. '57, B.Sc. '57, of Halifax.

May 25, 1963, Sheila Letitia Bryson, Sr. Dip. Educ. '63, to Henry Drew Sperry, Engin. '60-'62, both of Halifax.

May 25, 1963, Noreen Margaret Keyes, R.N., Nurs. '61-'62, of Halifax, to Dr. Robert Emmett Munro, M.D. '63, of Dartmouth, N. S.

June 1, 1963, Genesta Byers Hartling of Malagash, to Dr. J. F. Hamm, M.D. '63, B.Sc. '58, of New Glasgow, N. S.

May, 1963, Janet Marilyn Holmes of Halifax, to David Paul Connolly, Sr. Dip. Ed. '63, of Halifax, N. S.

May 25, 1963, Janet Coffin, B.A. '63, of Halifax to George Foster Bent, of Middleton, Annapolis County.

June, 1963, Norma Joan Smith, B.Sc. '63, B.Ed. '63, of Corner Brook, Newfoundland, to Ian Francis MacDonald, Dip. Eng., '61, of Halifax.

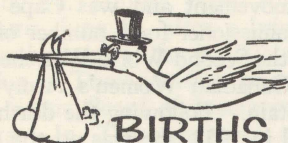
June, 1963, Iris Gayle Champion, B. Nurs., '63, of Kensington, P.E.I. to Ronald Eugene Bucknam of Concord, New Hampshire.

June 1, 1963, Gillian Margaret Giddy, B.A. '61, to Laurie Keith McNeill, (Med.) both of Dartmouth, N. S.

June 1, 1963, Barbara Dawn Elizabeth Forbes of Moncton, N. B., to Roy Douglas MacKeen, Eng. '60-'62 of Sydney, N. S.

June 15, 1963, Janice Cameron Blue, B.Sc. '62, of Halifax, to Alan MacNabb Grant, Eng. (Queen's), Town of Mount Royal, Quebec.

June 8, 1963, Sheila Marie Bonnell, of Sydney, to Dr. William Clyde Nicholas, M.D. '58, of Canso and Halifax.



To Dr. Melvin Gilbert Calkin, B.Sc. '57, M.Sc. '59, and Mrs. Calkin on May 11, 1963, in Halifax, N. S., a daughter.

To Prof. G. R. Hennigar, M.D., C.M. '45, and Mrs. Hennigar on January 17, 1963, in Port Washington, Long Island, a daughter.

To George Mitchell, LL.B. '55, and Mrs. Mitchell on March 26, 1963, in Halifax, N. S., a daughter.

To Dr. N. H. Andrews, B.Sc. '58, D.D.S. '62, and Mrs. Andrews (Evelyn Hartling), B.Sc. on April 12, 1963, in Winnipeg, Manitoba, a daughter.

To Charles R. Baxter, Pre-Med '54-'55, '56-'57, and Mrs. Baxter on May 11, 1963, in Halifax, N. S., a daughter.

To Ronald Bell, Eng. '48-'50, and Mrs. Bell (Sylvia Waddell), B.Sc. '53, Dip. Pharm. '53, on March 22, 1963, in Halifax, N. S., a daughter.

To Dennis Biggs and Mrs. Biggs (Valerie Cato), B.A. '50, on April 27, 1963, in Halifax, N. S., a daughter.

To Dr. George E. Clark, B.Sc. '54, D.D.S. '58, and Mrs. Clark on March 25, 1963, in Halifax, N. S., a daughter.

To Frank Wray Convery and Mrs. Convery (Marilyn Joyce Hebb) Arts '46-'47, in Toronto, Ontario, on May 11, 1963, a daughter.

To Dr. Jack C. Crosbie, M.D., C.M., '57, and Mrs. Crosbie (Martha Harlow) Nurs. '50-'51, on March 19, 1963, in Glasgow, Scotland, a daughter.

To John H. Dickey, LL.B. '40, and Mrs. Dickey (Joyce Carney), B.A. '51, LL.B. '54, in Halifax on April 25, 1963, a son.

To David B. Dunlop, Arts '56-'58, and Mrs. Dunlop (Virginia Worth) in Halifax on May 25, 1963, a daughter.

To Rev. John C. Earle, Arts '55-'57, and Mrs. Earle (Corinne Dares), B.A. '53, in Halifax on May 26, 1963, a son.

To David R. Fraser, Dip. Eng. '61, and Mrs. Fraser in Halifax on April 9, 1963, a son.

To Robert Hebb, LL.B. '60, and Mrs. Hebb (Ann Rayworth) B.A. '57, in Welland, Ontario, on April 7, 1963, a son.

To Dr. Leslie Kovacs, P.G. Med. '62-'63, and Mrs. Kovacs (Dr. Edith Kovacs) M.D. '62, in Halifax on April 5, 1963, a daughter.

To Dr. David C. Langille, M.D. '62, and Mrs. Langille in Mahone Bay, N. S., on March 31, 1963, a daughter.

To Dr. J. Graham McCleave, B.Sc. '59, M.D. '63, and Mrs. McCleave, in Halifax on May 25, 1963, a daughter.

To Robert J. McCleave, B.A. '43, LL.B. '46, and Mrs. McCleave (Ruth James) B.A. '43, in Ottawa, Ontario, on May 4, 1963, a daughter.

To Milton McInnis and Mrs. McInnis (Shirley Ripley) Lic. Mus. '54, in Halifax on May 12, 1963, a son.

To Dr. Michael A. MacKinnon, M.D. '62, and Mrs. MacKinnon in Halifax on March 30, 1963, a son.

To James A. MacLeod, Sci. '40-'41, '45-'46, and Mrs. MacLeod, in Bridgewater, N. S., on April 6, 1963, a daughter.

To Dr. R. Bruce MacWhirter, M.D. '62, and Mrs. MacWhirter, in Halifax on May 4, 1963, a daughter.

To Donald Nicolle, Arts '48-'52, and Mrs. Nicolle in Halifax on April 7, 1963, a son.

To Ronald N. Pugsley, B.A. '54, B.Comm. '55, LL.B. '57, and Mrs. Pugsley (Joan Hills) B.A. '54, B.Educ. '55, in Halifax on May 6, 1963, a son.

To Donald M. Smith, B.Sc. '52, Dip. Eng. '54, and Mrs. Smith (Beth Thompson) Arts '51-'55, in Saint John, N. B. on April 19, 1963, a son.

To Lt. Cdr. Michael Thompson and Mrs. Thompson (Jean Scriven) B.A. '55, in Halifax on April 14, 1963, a daughter.

To Dr. Bernard Badley, Sci. '60-'61, and Mrs. Badley in Inverness on May 26, a daughter.

To Dr. David MacD. Archibald, B.Sc. '43, M.D., C.M. '47, and Mrs. Archibald (Ruth A. Morse), in Middleton on June 9, 1963, a son.

To Rev. John Waylong, Arts '49-'50, and Mrs. Wayling, Music '47-'48 in Ottawa on June 5, 1963, a son.

To Rev. Carman W. Riggs, B.A. '41, and Mrs. Riggs, in Halifax, June 14, a daughter.

To Carmen F. Moir, B.Sc. '50, B.Ed. '53, and Mrs. Moir in Halifax, May 18, a daughter.

To Dr. Peter A. Fillmore, B.Sc. '57, Dip. Eng. '57, and Mrs. Fillmore, (Anne Ellen Garvock) Arts, '56-'58 in Chicago, Ill., a daughter.

To F. Murray Fraser, B.A. '57, LL.B. '60, and Mrs. Fraser, in Halifax, June 15, a son.

To Mr. and Mrs. Peter Plaunt, (Isabel Conrad), B.Sc. '57, in Halifax, June 20, a son.

To Dr. M. E. DeLory, B.Sc. '50, M.D. '55, and Mrs. DeLory, in Halifax, June 21, a daughter.

In Memoriam

Dr. James A. Doull, B.A. '11, M.D., C.M. '14, died April 6, in Baltimore at the age of 74. Prominent in international medical circles, he had a distinguished career which took him to many parts of the world. Since 1948 until his death he devoted his whole time to the work of the Leonard Wood Foundation, and was one of the first men in medical history associated with a cure for leprosy. On his last trip to India he was made "Honorary Leprologist" of the Indian Leprosy Organization. He represented the Foundation on World Health Organization at the Geneva headquarters. He served in France in the First World War, winning the Military Cross and from the French government, the Croix de Guerre. At the outbreak of the Second World War, he became chief of international health relations division of the United States Public Health Service and was given the rank of colonel. Dr. Doull was a native of New Glasgow, and among his survivors is his brother, Honourable John Doull, B.A. '09, LL.B. '10, of Halifax.

Rev. Walter R. Auld, B.A. '13, died in March at Lindsay, Ontario at the age of 73. He was born at Freetown, Prince Edward Island, and after graduation from Dalhousie he received his B.D. from Union College, New York. During the First World War he served with the Canadian Army overseas. He was interested in YMCA work in college years and afterwards. His pastorates were in Ontario, the last one before his retirement, in Lindsay.

Miss Edith MacGregor Read, B.A. '00, M.A. '02, LL.D. '42, died at her home in Toronto, April 15, after several months illness. She was born in Halifax, but for more than fifty years had resided in Toronto. She was principal for many years of Branksome Hall, and since her retirement was Honorary Principal. She is survived by her two brothers, the Honourable Mr. Justice John E. Read, B.A. '09, LL.D., D.C.L., of Ottawa, retired

Judge of the International Court, and Dr. Walter W. Read, Arts & Med. '09-'11, M.D., C.M. (McGill), of Grimsby, Ontario.

Dr. Frank G. Wilson, M.D., C.M. '23, died at his home at Red Bank, N. B. in April, following a lengthy illness. He was born in Sydney, and after graduation practised in New Waterford and Newfoundland for a short time before going to New Brunswick, settling at Red Bank 38 years ago. He is survived by two sons and two daughters.

Dr. Roderick Grant, M.D., C.M. '24, died in Burlington, Vermont, April 2, after a short illness. He was born in Newfoundland and received his early education there. After graduating from Dalhousie Medical College he went on for graduate study, first to the University of Michigan, then to Glasgow University and later to the University of London. For a time he was on the staff of Saint John Tuberculosis Hospital, and served as travelling diagnostician for the province of New Brunswick. Following private practice in Sussex, N. B. he moved to the United States and for the last 16 years he had been on the staff of the Vermont State Hospital in Waterbury, Vermont. At the time of his death he was in charge of the Mental Rehabilitation program for the State of Vermont. His father was the late Dr. William Grant, M.D., C.M. '92. Mrs. F. H. Sexton of Wolfville is a sister.

Dr. Francis Murray Dawson, Eng. '06-'09, died March 25, in Iowa City where he had lived for the past many years. He was Dean of the College of Engineering in the University of Iowa until his retirement a few years ago. Prior to this, he was Professor of Hydraulics at the University of Wisconsin. He was a native of Truro. He was granted the degree of Doctor of Engineering by the Nova Scotia Technical College in 1951.

William W. Haley, Dip. Eng. '52, B.Sc. '53, died in Halifax, May 7 after a brief illness. He was 31. He was recognized as one of Canada's outstanding track coaches and at the time of his death was president of the Halifax Track and Field Club, which he founded, and chairman of the Nova Scotia Branch of the track and field committee of the Amateur Athletic Union of Canada. He joined Maritime Telegraph and Telephone Co. Ltd., following graduation in Civil Engi-

neering from Nova Scotia Technical College, and had just been promoted to Supervising Engineer of Engineering.

Gerald P. Flavin, Q.C., LL.B. '23, B.A. (SMU), died in Halifax following a heart attack, May 9, at the age of 64. For the past 22 years he had been associated with the firm of McInnes, Cooper and Robertson, Prior to that he was a law partner of E. Hart Nichols and for a time with J. J. Powell, Q.C. He ran as Progressive Conservative candidate for the Nova Scotia House in 1933 and 1937, and at the time of his death was president of Halifax City and County Progressive Conservative Association.

Stewart I. (Si) Robinson, Sci. '14-'16, died in Halifax May 15 at the age of 73 following a lengthy illness. A prominent educator and civil defence co-ordinator he was principal of Richmond School for more than 30 years, retiring in 1953. He then became office manager for J. A. Moulton and Son Ltd. for five years when he was appointed Halifax County Co-ordinator for Civil Defence. He was born at Bear River, and was a veteran of World War One, and an active member of the Canadian Legion.

Charles W. MacAloney, B.A. '06, died in Halifax, May 27 following five months' illness. He was 76. He served overseas with the 25th Battalion in the First World War, later transferring to the Royal Air Force. He served for many years in the Provincial Highways Department as a civil engineer, retiring in 1956. His wife, who survives, is the former Ottilie Caddell, B.A. '19.

Ralph C. Sterne, LL.B. '17, died suddenly May 27, while presiding at a court session in Lunenburg town council chambers. He was magistrate for the town and county of Lunenburg for the past 21 years, and registrar of probate for the past 37 years. After graduating from the law school, he practised with his brother in Amherst for two years, before going to Lunenburg to open a law office.

Mrs. Peter John Power, the former Warrenna Maddin, B.Sc. '20, died in Halifax May 29, following a brief illness. She was born in Westville, Pictou County, but lived most of her life in Cape Breton, where her father, J. W. Maddin, Q.C., nationally-known criminal lawyer practised. After graduation she was employed as a chemist at Imperoyal until her marriage. She was active in the Girl

Guide movement and was Cape Breton area commissioner for a number of years. During the Second World War she served in the Canadian Women's Army Corps as a captain. Following the death of her husband in 1952, she was on the staff of Acadia University for two years, and then came to King's as registrar and dean of women, which position she retained until her final illness. She is survived by her mother, three sisters, a brother and her son Peter, B.Sc. '53, Dip. Eng. '53, of Weston, Ontario.

Norman Cyril Mitchell, Sci. '92-'93, died in Halifax in March. His entire life was spent in Halifax, his native city.

Dr. Meyer Leonard Kimmel, M.D., C.M. '32, died in Jersey City March 15. He was born in New York City, but for many years made his home in Jersey City where he practised.

Edward Francis Cragg, Q.C., B.A. '38, LL.B. '40, died following a heart attack, June 6 at the age of 47. He was born in Halifax and at the time of his death was associated with the law firm of Rutledge, MacKeigan, Cragg and Downie, Halifax. He was immediate past president of the Halifax City and County Liberal Association and a past president of the Halifax South Liberal Association. He played a leading role in many charitable and athletic associations in the City.

George MacKenzie Sutherland, Sci. & Eng. '17-'18, '21-'23 died at Sherbrooke, Quebec, October 16, 1962. Born at Malagash in 1898, he attended Pictou Academy before coming to Dalhousie, and in 1925 received his M.E. degree from Nova Scotia Technical College. At the time of his death he held the position of Manager of Engineering with Canadian Ingersoll-Rand Company Limited, Sherbrooke, Quebec.

Mrs. J. G. D. Campbell, the former Dorothy Cameron, Mus. '19-'20, died in Halifax, June 8, following a brief illness. She was born in Halifax, and attended Halifax Academy and Dalhousie, later graduating from the Halifax Conservatory of Music. She is survived by her husband, Dr. J. G. D. Campbell, M.D., C.M. '16, a son and a daughter.

Dr. Lawrence L. Buffett, D.D.S. '29, died at his home in Glace Bay, June 3. He was born in Sydney in 1905, and attended Sydney Academy before entering Dalhousie Dental School. Since graduation he practised at Glace Bay.

Percy W. Tupper, Arts '20-'21, died in Truro, June 11, after a brief illness. He was born in Halifax in 1901, and prior to going to Truro in 1929, was with the Nova Scotia Board of Insurance Underwriters. In Truro he was employed with Central Agencies Limited. He served in the Second World War, first with the militia, later transferring to the RCAF with the rank of Flight Lieutenant. He won the RCAF efficiency decoration.

Not hitherto reported in the Alumni News is the death of Judge Donald V. White, LL.B. '19 which occurred January 19, 1962. He was born at St. Martin's, New Brunswick in 1895. After graduating from Dalhousie Law School, he practised in Halifax for 10 years, and served as city solicitor for a year before returning to New Brunswick, where he opened a law office at Sussex. He was appointed to the Bench in 1945, and since then had presided over the Kings and Albert courts. He is survived by his wife and two daughters, Barbara, Mrs. George Vinall, B.Sc. '46, and Alberta, B.Sc. '50.

Dr. Arthur Moxon, B.A. '06, died in Saskatoon, June 12 at the age of 81. He was a native of Truro, and a former Rhodes Scholar for Nova Scotia. He was the first dean of the Saskatchewan University law school. The Saskatchewan Law Society described him as their most beloved member, and he was known as the dean of Saskatchewan lawyers. He had served the University since 1909 almost continuously as professor, dean, senator, chairman of the Board, and adviser and helper to everyone on matters both academic and personal. At the time of his death he was the University's solicitor.

Miss Evernia Jensen, B.A. '26, died in Halifax June 12, after a lengthy illness. She was born in Halifax, and for a number of years taught in the Halifax city schools most recently at Bloomfield School.

Ernest William Coffin, B.A. '02, Ph.D. '08 (Clarke Univ.) died in Calgary, May 3, He was born at Mount Stewart, P.E.I., and graduated from Prince of Wales College before entering Dalhousie in 1898. For many years until the time of his retirement he was principal of the Provincial Normal School for Alberta.

Peter McDonald, Arts '09-'11, '12-'13, died December 31, 1962, at his home in Panoka, Alberta. He was born at Marion Bridge, Cape Breton and attended

Sydney Academy. Most of his life was lived in Alberta, where for many years he was clerk of the Municipality of Fertile Valley, Panoka.

Ethel Dickie Foss, Sp. Arts, '15-'17, wife of Group Captain Roy Foss, died in Montreal June 9. She was born in Stewiacke. She was a graduate of The Halifax Ladies' College, and one of the organizers of the Women's Auxiliary of the Royal Canadian Airforce in Montreal. Besides her husband she is survived by her son, and a brother, Rufus Dickie, B.A. '07, of Stewiacke.

Mrs. Henri Tanner, the former Lulu Marion Murray, B.A. '05, died in Montreal, June 5. She was born at Milltown, New Brunswick, and graduated from Milltown High School before entering Dalhousie. Since her marriage she lived in Montreal.

William Henry Skinner, LL.B. '13, died in Calgary, June 14 at the age of 75. He was born in Calgary, and attended Acadia University before entering Dalhousie Law School. He returned to Calgary where he was associated in business with his father's company.

Dr. Louis Giovannetti, M.D., C.M. '00, died in St. John's, Newfoundland, June 20, 1963. He was born in Port Morien in 1877, and retired from practice in 1950. For 50 years he practised in several Newfoundland districts, and in Sydney, N. S. Surviving are his wife, a daughter and three sons, two of whom are Dr. Joseph L. Giovannetti, M.D., C.M. '31, of Newcastle, N. B., and Dr. H. F. Giovannetti, D.D.S. '31, of Wabana, Newfoundland.

ALUMNI DUES

MEMBERSHIP	\$ 5.00
LIFE MEMBERSHIP	\$100.00

Acres, Mr. & Mrs. Lloyd C. (Lois J. Robertson), Kingston, N. S.
 Allen, Miss Rosemary I., 6259 Chebucto Rd., Halifax.
 Archibald, W. W., Shelburne, N. S.
 Austen, K. J., Margaree Valley, N. S.
 Archibald, Dr. W. J., 1630 Walnut St., Halifax.
 Aaron, Mrs. B. S. (Sylvia Horovitz), 2401 Hammond Dr., Erindale, Ont.
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- Reid, Mrs. J. C. (Winnifred Reynolds), 128 Marmon St., Hamden, Conn.
- Reiffenstein, Mrs. G. E. (Edna Mingie), 423 Westminster Ave. N., Montreal.
- Roberts, Mrs. H. D. (Katherine Moxon), 5 Pringle Pl., St. John's, Nfld.
- Smith, Hon. Donald M., 104 Inglis St., Halifax.
- Smith, Mr. & Mrs. S. Arnold (Gladys Lewis), 132 Northwood Road, Newington, Conn.
- Stoddard, Miss Joan G., 319 Barrington St., Halifax.
- Sutherland, N. S., 48 Crescent Dr., Truro, N. S. \$11.00
- Smyth, Mrs. R. F. (Jean MacLeod), 2704 Wakefield Dr., Bayside, Va., U.S.A.
- Scott, Miss Barbara M., Lower Sackville, N. S.
- Stewart, W. G., Q.C., 254 Cameron St., Moncton, N.B.
- Stasiuk, Dr. J. N., Portage La Prairie, Man. \$100.00 L.M.
- Simms, Miss Sarah G., 11 Preston St., Halifax.
- Smith, G. Raymond, 1139 Dalhousie St., Halifax.
- Studley, Mrs. Martha Keniston, 198 Central St., Hingham, Mass.
- Stewart, Dr. James, 15 Broom Rd., Mewton Mearns, Renfrewshire, Scotland.
- Smith, Ernest G., Elmsdale, N. S.
- Squire, Frank B., Wabana, Nfld. \$8.00
- Smith, Dr. George R., 20 Smith Ave., Truro.
- Sterns, W. S., Medical Hall, Glace Bay, N. S.
- Sutherland, J. W. H., New Glasgow, N. S.
- Smith, Mrs. Fletcher S. (Charlotte Lyall), 1057 Tower Rd., Halifax.
- Stoddard, Mrs. H. R. (Harriet L. Morrissey), 68-15 Dartmouth St., Forest Hills, New York.
- Smith, Miss Olive W., 1418 Edward St., Halifax.
- Studd, Mrs. H. C. (C. Fillis Boak), 5775 Tower Ter., Halifax.
- Sinclair, Miss Janet, 5671 Rhuland Ave., Halifax.
- Smith, George A., Fredericton, N. B.
- Sproule, Hugh, Arts Bldg., McGill University, Mont.
- Smith, Kenneth S., Q.C., 5771 Ogilvie St., Halifax.
- Smith, Mrs. Clarence B. (Ruth McInnis), 34 Mayfield St., Halifax.
- Schmidt, Miss June S., Bear River, N. S.
- Smith, E. H. Newel (Rosemary Blount), 3630 Randolph Ave., Windsor, Ont.
- Samson, Miss Mildred W., St. Patrick's Mercy Home, St. John's, Nfld.
- Smith, Robert S., 6527 Waegwoltic Ave., Halifax.
- Streach, Carl F., 13 1/2 Philip St., Halifax.
- Sexton, Stephen, Cooperator's Insurance Assoc., Tor.
- Staples, Kenneth H., Kenneth Staples Drug Store, Fredericton, N. B.
- Simon, Dr. Louis, 1725 East 3rd St., Brooklyn, N.Y.
- Snow, Rev. Lewis, Tilbury, Ontario.
- Scrimgeour, John A., 2915 Wolfe St., Calgary, Alta.
- Smith, Mr. E. H., 162 Cecil St., Sarnia, Ontario.
- Smith, Dr. Craig N., 215 E. 72nd St., N. Y.
- Spracklin, Dr. T. E., 6088 Coburg Rd., Halifax.
- Tait, Dr. James, 106 Colin Ave., Toronto, Ontario.
- Thompson, Kenneth G., 7 Roosevelt Ave., Truro.
- Thomson, James G., Liverpool, N. S.
- Torrey, Miss Elizabeth L., 309 Mt. Pleasant Rd., Toronto.
- Thornhill, Roland, c/o Eastern Securities, Dartmouth.
- Thompson, Mrs. George A. (Cynthia M. Garroway), 1970 Robie St., Halifax.
- Templeton, David S., 42 Roche St., St. John's, Nfld.
- Taylor, K. LeRoy, Cornwallis St., Kentville.
- Tremain, F. H. D., 36 Cedar St., Halifax.
- Urquhart, Miss Blanche J., 1409 Albarmar Rd., Brooklyn, N. Y. \$50.00 L.M.
- Underwood, Ivan, Purchase Lane, Rye, N. Y.
- Urquhart, Earl W., Q.C., West Bay, Richmond Co., N.S.
- Vail, R. Keith, Isle Maligne, P.Q.
- Van Peggelen, Mrs. Carol (Rilda Harris), 103 Brentwood Park Apts., Olivet St., Halifax.
- Vogler, Miss Eveline B., 103 Lawrence St., Halifax.
- Vogel, Mr. & Mrs. Richard (Dr. Anne MacLeod), Cranbrook, B.C.
- Vasaturo, Mrs. C. P. (Dr. Grace Cragg), 18 Miller St., Medfield, Mass., U.S.A.
- Veniot, Harvey A., M.L.A., Pictou, N. S.
- Vair, Mrs. J. D. (Claire Strickland), 6477 Jubilee Rd., Halifax.
- Vaughan, Dr. J. R., 6624 Quinpool Rd., Halifax.
- Vail, Murvale B., Kelmere Dr., Sydney River, N. S.
- van Beek, Mr. & Mrs. G. J. (Evelyn Theakston), 2531 Lake Shore Blvd. W., Toronto.
- Wintermeyer, John J., 189 Queen St., Kitchener, Ont.
- Waite, Howard E., Waite's Pharmacy, Summerside, P.E.I.
- Wellman, W. Roy, Gordon Bldg., Regina, Sask.
- Worth, Arthur W., 5774 Ogilvie St., Halifax.
- Waterfield, Gordon S., Dartmouth, N. S.
- White, William A., Toronto Cast Stone Co. Ltd., Toronto, Ont.
- Wilson, Mrs. W. G. (Moir MacLeod), 2333 Beech Dr., Victoria, B.C.
- Wallace, Stuart H., Russell & DuMoulin, Vancouver, B.C.
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- Woollett, Mrs. George N. (Virginia Ritcey), Bralorne, B.C.
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- Whitman, Philip L., 4 Rockwood, Halifax.
- Witmore, Mrs. Fred (Pauline Atherton), 1148 Redland Ave., Moose Jaw, Sask.
- Wood, Mrs. R. W. (Helen M. Torey), 1730 Walnut St., Halifax.
- Weldon, J. W., The Canada Bldg., 455 Craig St. W., Montreal. \$50.00
- Williams, R. Massey, 84 Glencairn Ave., Toronto.
- Wilson, Harry A., 419 Third Ave., Ottawa, Ont. \$10.00
- Willett, George E., 53 Poplar Ave., St. John's, Nfld.
- Wood, Mrs. Peter M. (Phyllis Scott), 7 Tottenham Rd., Don Mills, Ont.
- Wall, Miss Florence, 6046 Fraser St., Halifax.
- Wall, Miss Mary, 6046 Fraser St., Halifax.
- Woodside, Rev. & Mrs. E. R. (Dorcas M. Sullivan), 495 Murray Ave., Bathurst, N. B.
- Webber, H. L., 83 Old King's Rd., Sydney, N.S.
- Watson, A. D., 333 Manor Rd., Ottawa.
- Wilmshurst, David E., 6090 University Ave., Halifax.
- Walker, David F., 218 MacLaren St., Ottawa.
- Webster, Robert C., Webster & Webster, Kingston, Ontario.
- Wallace, Stuart H., 850 W. Hastings St., Vancouver.
- Wallace, C. C., Mt. Airy, Philadelphia, Pa.
- Weiner, Norman D., 151 Taylor St., Sydney, N. S.
- Wiswell, Mr. & Mrs. G. B. (Eleanor Douglas), 326 Kingsway Ave., Winnipeg.
- Waterfield, Maj. J. S., 38 Millford Ave., Ottawa.
- Woods, Dr. H. L., 3105 Van Horne Ave., Montreal.
- Wedge, Richard A., 1750 Beech St., Halifax.
- White, William B., 129 Harvey St., Riverview.
- Webster, Geddes M., 9 Ridge Dr., Toronto.
- Yates, Mrs. F. (Anna MacNeill), School for the Deaf, Amherst, N.S.
- Yeoman, Prof. Allan R., 1029 South Park St., Halifax.
- Young, Miss Joan, 181 Charlotte St., Sydney, N. S.
- Zacharia, Dr. D. L., 2023-60th St., Brooklyn, N.Y. U.S.A.
- Zinck, Miss Margaret M., 56A Windsor St., Halifax.
- Zifkin, Mrs. Ida Shofer, 6366 Pepperell St., Halifax.
- Zive, Aaron, 6466 Jubilee Rd., Halifax.
- Zemel, Mrs. Ben (Beatrice Whitzman), 2469 Connaught Ave., Halifax.
- Zwicker, Lawrence A., 541 Willow St., Lockport, N.Y.
- Zwicker, Sherman, 150 Brook St., Lunenburg, N. S.
- Zatzman, Joseph, 10 Lakeside Terr., Dartmouth.

THE \$16,100,000 DALHOUSIE FUND:

Progress to date: 25% Attained — 75% to Go!

As of July 1st, contributions to the Fund total \$4,263,088. Of this amount, \$364,240 has been contributed by 573 alumni. All Dalhousians are urged to participate by making as large a gift as possible, but remember — a small gift is better than no gift at all!

The Alumni News

Dalhousie Alumni Association
 THE ALUMNI OFFICE
 DALHOUSIE UNIVERSITY
 HALIFAX, CANADA

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Record Numbers Graduate

It has been said that Dalhousie has never had a rainy day for Convocation, and this year was no exception. Again under clear skies and sunny weather the largest graduating class in the history of the university participated in the closing exercises.

Capacity audiences for both morning and afternoon sessions of the Convocation forced a move from the restricted confines of the University Gymnasium to the more spacious Dalhousie Memorial Rink. The move was made possible because of a permanent concrete floor installed in the rink in 1959. Money raised during the 1950's by a boisterous group known as the "Rink Rats" was donated by the students to the University and used to cover the cost of installing the concrete floor.

(CONTINUED FROM PAGE 5)

search projects attempts to discover more about the functioning of the heart by making measurements of the electrical voltages, in three directions, a number of times during each heart beat. Measurements are carried out on many patients in many age groups with the result that tremendous quantities of data are produced. Statistical correlations performed by the computer in a matter of hours has made it possible to extract significant information about heart functioning from this data.

One of the oceanographic research problems is that of discovering and explaining variations of magnetic fields over the oceans. Again large quantities of data are taken and processing of this data is possible only by computers.

Other research projects in the departments of physics, chemistry, psychology, economics and mathematics have been aided in a significant way by the use of the computer.

Experience at Dalhousie has been similar to that of other Universities in verifying that an electronic computer is an essential component of any university which wishes to maintain a significant position in scientific research and teaching.

During the morning session, the University conferred honorary degrees on Ralph Lent Jeffry, distinguished mathematician and Arthur Sutherland Pigott Woodhouse, Head of the Department of English, University College, Toronto. Dr. Woodhouse gave the address to graduates during the morning convocation.

In the afternoon, Malcolm Campbell MacDonald, distinguished clergyman, and Henry Poole MacKeen, able lawyer and Lieutenant-Governor of Nova Scotia, were awarded honorary degrees by Dalhousie. Dr. A. E. Kerr, who is retiring this summer, after 18 years as President, gave the address to graduates during the afternoon convocation.

The following is a list of the 499 degrees and diplomas that were conferred during the two sessions on Convocation Day:

MORNING CONVOCATION

Bachelor of Arts	108
Bachelor of Science	51
Bachelor of Science in Engineering	
Physics	4
Bachelor of Commerce	29
Bachelor of Music	1
Diploma of Engineering	27
Diploma of Pharmacy	16
Master of Arts	17
Master of Science	21
Doctor of Philosophy	1
Doctor of Laws (honoris causa)	2

AFTERNOON CONVOCATION

Bachelor of Education	62
Bachelor of Nursing Science	1
Bachelor of Nursing	3
Bachelor of Laws	21
Doctor of Medicine	52
Doctor of Dental Surgery	13
Junior Diploma in Education	6
Senior Diploma in Education	4
Public Health Nursing	24
Teaching in Schools of Nursing	25
Nursing Service Administration	6
Diploma in Dental Hygiene	3
Doctor of Laws (honoris causa)	2

TORONTO MEETING

The Annual Meeting of the Toronto Branch of the Dalhousie Alumni Association was held at the Granite Club on April 29. Branch President, George V. Meagher presided at the meeting, which was attended by a large delegation of alumni from the southwestern Ontario area.

The Hon. J. Keiller MacKay, Lieut.-Governor of Ontario and Mrs. MacKay were guests of honour. The guest speaker for the evening was Mr. R. L. Dunsmore, Chairman of the Board of Directors of the Canadian Broadcasting Company. Mr. Dunsmore talked informally about the impressions he has gained with his office with the CBC on communications and the influence of radio and television on education and national image. His comments had particular reference to some first hand study on his part of the development of national broadcasting facilities in underdeveloped nations.

Other special guests of the Branch were Dr. A. E. Kerr, President of Dalhousie, and Mr. and Mrs. J. Ernest Richardson. Mr. Richardson, General Chairman of the \$16,100,000.00 Dalhousie University Fund spoke briefly on behalf of the fund.

Other head table guests were Mrs. Dunsmore, Mrs. Meagher, Mr. and Mrs. C. F. Mackenzie, Mr. and Mrs. J. G. Godsoe, Mr. and Mrs. S. J. Sexton.

During the evening, Mr. Keiller MacKay proposed a toast to the University, and Dr. Kerr responded. The guest speaker was introduced by Jerry Godsoe, and thanked by Steve Sexton. During the business meeting, which followed the dinner, Steve Sexton was elected President for the coming year. Other officers were elected as follows:

First Vice-President: J. S. Foster; Second Vice-President: G. C. Corston; Secretary-Treasurer: H. B. Crawford; Members at Large: J. Slaven, J. K. Morrison, H. A. Reeves, G. Braund.

PLEASE NOTE!

New Rates Now In Effect:

Membership	\$5.00 per year
Life Membership	\$100.00