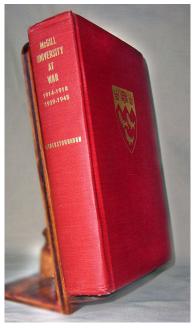


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# McGill University at War 1914 to 1918 & 1939 to 1945

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#### ABOUT THIS BOOK

This valuable book has been loaned to us by Marc Leroux. Marc has joined Chris Wight to undertake the mammoth task of making a biographical database of all the Canadians who took part in The Great War. This work will be underway for a long time, but the current data base contents have been made available and can be found at <a href="http://www.canadianGreatWarProject.com/">http://www.canadianGreatWarProject.com/</a> Please visit their site so they know their work is being appreciated.



# McGILL UNIVERSITY AT WAR

1914-1918

1939-1945

ΒY

## R. C. FETHERSTONHAUGH LL.D. (McGILL)

WITH AN EPILOGUE BY
F. CYRIL JAMES
PRINCIPAL AND VICE-CHANCELLOR

McGILL UNIVERSITY
MONTREAL
1947

## **PREFACE**

It has been possible in this book to touch upon many aspects of the University's war work and to mention many of those upon whose service the glory of McGill's war record is founded. But it would be misleading to suggest that as a history of the University's part in the Great Wars of 1914-'18 and 1939-'45 the volume is all-inclusive. Every deed of valour described could be matched by many of equal worth and every tale of sacrifice could be multiplied. Similarly, there is no complete account of the University's war research. Yet it is hoped that an impression is given of how vast the scientific programme became and how fundamentally it stands among the greatest of McGill's achievements. Again, there is little description of the accomplishment of McGill personnel in war industry, or in the work of the Canadian Civil Service. The few references to these subjects, therefore, must be taken as examples of a contribution to the war effort beyond the ability of this volume to describe.

For help in compiling the book, the author acknowledges gratefully the co-operation given by many members of the University staff and many friends of McGill in Montreal. His thanks are expressed also to Colonel A. Fortescue Duguid, D.S.O., O.B.E., formerly Director of the Historical Section, Canadian General Staff, who obtained information on the origin of the C.O.T.C. and kindly read the chapters of the script relating to the Great War of 1914-'18. A special debt is acknowledged to H. S. Reid and A. F. G. Cadenhead, who supplied information unobtainable elsewhere regarding the production of munitions at Shawinigan Falls, to Leah Scovil Fetherstonhaugh, who co-operated in all phases of the book's preparation, and to Mackenzie Furniss, of the Gazette Printing Company, whose help in producing the volume was untiring. Finally, the author would like to express gratitude to His Excellency Field Marshal Viscount Alexander of Tunis and to Principal F. Cyril James for their generous contribution of a Foreword and an Epilogue respectively. In the thanks he most respectfully offers here, it is his belief that readers of the book will join with appreciation.

In referring to McGill personnel in the book, little distinction has been made between graduates, past students, and members of the University staff. Readers wishing to identify more precisely persons mentioned in the text should consult the Index of Persons, where identifications by class and faculty are provided. To conserve space in the Index, post-graduate degrees have in many instances been omitted. The military and other ranks used are in each instance the highest known to have been attained.

To avoid duplication, the statistics given in the book have been simplified. Thus, an officer who served in the Army and later in the Navy is included in the Army count, or the Navy count, but not in both. To obtain this simplicity, arbitrary rulings were at times essential. Nearly all the counts in the book are based upon the information available, December 31, 1946, or in the early months of 1947. Information reported since then would slightly increase the totals shown in many categories. The names in the Honour Roll (Appendix "A") and the Roll of Honours and Awards (Appendix "B") include all reported to the time of this book's going to press. By keeping these lists open, it was possible to include all names reported to August 31, 1947.

R. C. F.

Montreal, September 1, 1947.

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#### CHAPTER V

## No. 3 CANADIAN GENERAL HOSPITAL (McGILL)

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No military formation ever raised by McGill contributed more to the University's renown than No. 3 Canadian General Hospital (McGill). First hospital unit raised by a university in the British Empire, No. 3 was the first such unit in the field. It was outstanding from the time its original officers were appointed; it increased in prestige as the burden of war bore heavily upon it. More than one hundred and forty thousand patients from the Allied Armies were treated in its huts and wards for wounds or disabling disease; among these, the death rate was held to a professionally brilliant minimum of one in one hundred and thirty-five. Faithful in service, capable in circumstances expected or unforeseen, it commanded in supreme measure the trust of those charged with the administration of the British medical services in France.

Responsible for the creation of the unit were men eminent in professional achievement—Dr. Herbert Stanley Birkett, Dean of the Faculty of Medicine, Dr. John

<sup>&</sup>lt;sup>1</sup>The contents of this chapter are summarized from the history of the Hospital published in 1928.

#### CHAPTER X

#### THE SECOND GREAT WAR

Outbreak of War, 1939—The Campus Scene—Comparative Statistics, 1914-'18 and 1939-'45—Contrast with 1914—C.O.T.C. Activities—Dr. Lewis Douglas as Principal—C.O.T.C. Recruiting—Col. A. A. Magee as the C.O.—Major Cameron in Command at Macdonald College—Corner-Stone of Gymnasium-Armoury Laid—General McNaughton Reviews C.O.T.C.—McGill Establishes War Service Advisory Board—Work of the Board—Graduates' Society Establishes Military Sections in The McGill News—First Record of Enlistments—Death on Active Service of Flying Officer Duncan Anderson.

T

To those who had known McGill in the years of the First Great War, September, 1939, brought a sense of hallucination, as if in denial of inexorable laws time had turned backward by a generation. Again, when Britain declared war on Germany on September 3 and Canada followed on September 10 with a declaration that a state of war existed, the University was in the midst of the summer holidays. More warning had been given than in 1914, but the shock was hardly less intense. Again, there was the courageous facing of a situation as grave as could be imagined. Again, the Campus was trodden before more than a few days had passed by the boots of young men, ready to serve in the nation's forces as their fathers served before, and by those of older men, willing to repeat the service they had rendered in their college years. Again, the McGill University Contingent, Canadian Officers' Training Corps, rose at once to a commanding place in the University's life. Physically, McGill had grown; academically and professionally, the fields of the University's activity had widened; there had been great changes in staff and personnel; but the spirit was unthe University's great chancellors, his position will long endure.

At this time, the problem of the military training of students was again under review at McGill. Referring to difficulties that had arisen, Principal James wrote in his annual report: "There is no student feeling against the idea of military training, but it must be confessed that there is a growing resentment against the monotony of the present syllabus and against the attitude of the Army authorities towards the whole scheme. The syllabus now in effect is not sufficiently progressive, and the fact that the Department of National Defence does not give any credit for this military training when the student actually enters the Army has tended to create the impression that it is a waste of time."

Elsewhere in the Principal's report and in other papers, steps taken to meet the difficulties are described. Through the appointment of Professor C. H. Carruthers as Squadron Leader and Commanding Officer, the work of No. 5 (McGill University) Squadron, University Air Training Corps, R.C.A.F., was consolidated and the training inaugurated in the previous year was stimulated. Squadron Leader Carruthers' appointment appeared in the Daily Orders of the Squadron on March 17, 1943, with effect from October 30, 1942. On the day after the appearance of the item in orders, Montreal newspapers announced the formation of a University Naval Training Division at McGill, under the command of Professor V. C. Wynne-Edwards. Confirmation of the appointment was given by the Royal Canadian Navy when Professor Wynne-Edwards was gazetted as Lieutenant-Commander (Special Branch), R.C.N.V.R., with seniority from May 3, 1943. Both No. 5 (McGill University) Squadron, U.A.T.C., and the McGill University Naval Training Division, by integrating their programmes with those of the Active Service training centres, secured for students the assurance of more rapid qualification for combat duty, with at least some hope of promotion to commissioned rank in a reasonable time.

Referring some months later to the manner in which an adjustment of the Government's policy had affected the C.O.T.C., still the senior and most important training

porarily stationed during an interval in his service overseas, Major (Acting Lieut.-Col.) Charles Mills Drury, Royal Canadian Artillery, was awarded the D.S.O. for fine work on the night of July 18, 1944, when he was the artillery officer with an infantry brigade under orders to attack Louvigny. "On two occasions before the attack and at great personal risk," his citation stated, "he went forward beyond the advanced infantry posts to observe the enemy dispositions." During the attack, he directed the fire of the guns and, when the brigade commander was wounded, took over command of the brigade. He then "fought the engagement with skill and resourcefulness until relieved". Continuing his service, Major Drury rose to brigadier and, after hostilities ended, to command of the 4th Canadian (Armoured) Division in Holland. He retired from the Army, September 24, 1945, to become Director of the United Nations Relief and Rehabilitation Organization in Poland. In 1946, he was made a Commander of the Order of the British Empire, was Mentioned in Despatches, was made a Chevalier of the Legion of Honour, and was awarded the French Croix de Guerre with Palm. His brother, Lieut.-Col. Chipman Hazen Drury, Royal Canadian Artillery, who, among other appointments, served as Assistant Quartermaster-General of the 1st Canadian Corps in Italy, was made an Officer of the Order of the British Empire, April 23, 1945.

The fourth award of the D.S.O. was to a past student, Major V. O. Walsh, Canadian Armoured Corps, for gallantry in Normandy; the fifth was to Major (later Lieut.-Col.) Frank A. McTavish, Royal Canadian Engineers, for the clearance of underwater obstacles off the beaches at St. Aubin on D-Day. Commanding a field company of the R.C.E., Major McTavish drove for the shore at H-Hour. His party, trapped for a time between a line of exploding tanks and the fire from shore, suffered heavily, but cleared some eighteen hundred yards of beach front, an achievement vital to the success of the operations in that area.

Marking the continued success of two officers previously decorated, was the announcement that a Bar to the Distinguished Flying Cross had been awarded to Group Capt. James Bert Millward and to Squadron Leader

### CHAPTER XXV

#### SCIENTIFIC RESEARCH

The Pulp and Paper Research Institute of Canada—The Administrative Committee—The Institute's War Programme—Special Papers—Other Research—The Atomic Bomb—McGill Personnel in Atomic Research—Dr. L. M. Pidgeon's Magnesium Reduction Process—U.S. Honours to Four McGill Scientists—Work of the Chemistry Department—Dr. Otto Maass' Work in Chemical Warfare—Gas and Smoke as Weapons of War—Bacteriological Warfare—War Disease Control Station Established—Precautions Against Rinderpest—Graduate Students' Part in Scientific Warfare—Details of Chemical Research—Concealment of Ships by Illumination.

↑ MONG THE SECRET programmes of research carried out at McGill University in the Second Great War, one of the most extensive was conducted in the laboratories of the Pulp and Paper Research Institute of Canada. For the first year of the war this organization operated as the Pulp and Paper Division of the Forest Products Laboratories of Canada and was thus a part of the Canadian Civil Service, though the cost was equally shared by the Canadian Pulp and Paper Association. On August 1, 1940, the administration was vested in a Joint Administrative Committee, representing the Dominion Government, the Canadian Pulp and Paper Association, and McGill University. At this time the name was changed to "Pulp and Paper Research Institute of Canada", and Dr. Otto Maass, Chairman of the Department of Chemistry, McGill University, Assistant to the President of the National Research Council, and Director of Chemical Warfare and Smoke in the Department of National Defence, was appointed to additional duties as the Institute's General Director and Co-Ordinator of Research. On the Joint Administrative Committee, Principal F. Cyril James and Dr. A. Norman Shaw represented

CHRISTIE, Lt. John Hatchel Halliday Arts 1914-15-2nd Canadian Mounted Rifle	es	•	-	Vimy Ridge	9-4-17
CLARK, Lt. Lewis Emerson M.D. 13—Canadian Army Medical Corps	•	-	-	- Lens	8-6-17
CLARK, SERGT. PAUL SOMERVILLE -	-	-	Sanc	tuary Wood	2-6-16
B.A.'15—5th Canadian Mounted Rifles CLIPPERTON, CAPT. WILLIAM HENRY	-	-	-	Hill 70	17-8-17
Arts 1903-04—8th Canadian Battalion COCKSHUTT, Lt. Harvey Watt	-	-	Sanc	tuary Wood	2-6-16
B.Sc.'05—4th Canadian Mounted Rifles COLLINGWOOD, Lt. Gordon Francis -		-	_	Arras	28-3-18
Agr. 1914-15—Royal Garrison Artillery COOPER, Lt. Corin Henry Benedict	_	France	I-I	0-16 (d. No	v., 1916)
B.Sc.'12—Royal Engineers					
CROSLEY, Lt. Cecil App. Sci. 1911-13—British Army	-	-	-	Suvla Bay	16-8-15
CROSS, GNR. ALFRED MORREY - Arts 1915-17—Canadian Garrison Artillery	-	-	-	Amiens	22-8-18
CUSHING, Lt. R. MACAULAY Arts 1901-03—Canadian Garrison Artillery	-	-	•	France	30-4-18
DASHWOOD, CAPT. J. L., M.C. Univ. Staff—Royal Flying Corps					
DAVIDSON, Lt. David Grant - App. Sci. 1914-15—Royal Flying Corps	-	-	-	France	21-8-17
DAVIDSON, CAPT. DONALD A. LESLIE, M.C. App. Sci. 1908-11—Royal Flying Corps	•	-	-		30-4-17
DAVIS, CPL. GEORGE HOUGHTON	-	-	-	St. Eloi	30-4-16
B.Sc.'07—Canadian Infantry DAW, L. Herbert Bethune	-	-	-	France	16-4-16
DAWSON, Lt. Stephen Arthur	-	-	-	France	10-8-18
Arts 1914-16—Royal Air Force DE GRUCHY, Lt. Charles Southwell, M.C.	-	-	-	France	18-7-17
B.Sc. 11—Canadian Field Artillery DE LANCEY, MAJ. JAMES ARNOLD, M.C.	-	-	-	Vimy Ridge	9-4-17
B.Sc.'09—25th Canadian Battalion DELEPINE, Lt. Helenus George Sheridan	-	-	-	Ypres	17-4-15
App. Sci. 1910-11—British Army DE ROCHIE, Lt. Matthew Curtis, M.C.	_	_	-	Belgium	14-7-17
Med. 1914-16—Royal Flying Corps DES BRISAY, ERIC MERRILL			_		3-8-16
B.A.'14—Can. Corps of Signals	•	_	_	- 1	J
DIMICK, Lt. Karl Eugene Med. 1914-16—United States Army	-	-	-	France	19-9-18
DOUGALL, PTE. RALPH B.A.Sc.'97—Princess Patricia's Can. Light.	_ T=6	-	Sanc	tuary Wood	2-6-16
DOWLER, CAPT. JOHN WILTON DOUGLAS	-	-	-	France	11-4-17
B.A.'17—47th Canadian Battalion DRUMMOND, CAPT. GUY MELFORT	_	-	-	Ypres	22-4-15
B.A.'09—13th Canadian Battalion DRUMMOND, Lt. Kevin Stuart, M.C.	_	_	_	Amiens	8-8-18
App. Sci. 1908-11—24th Canadian Battalion	n			_	
DUGGAN, Lt. Herrick Stevenson B.Sc.'12—Royal Engineers	-	-	-	Loos	21-10-15
DUGGAN, MAJ. KENNETH LOCKE -	-	•	Pass	chendaele	30-10-17

Name	McGill Status	Award
BICKERDIKE, LtCol. Robert	B.A.Sc.'91	D.S.O.(Bar) M. in D.(2)
BIDDULPH, CAPT. R. V.	Arts 1914-15	M. in D.
BIGGAR, Lt. L. H.	Arts 1915-16	M.C.
BIRKETT, BrigGen. H. S.	M.D.'86	C.B., M. in D.
BIRKS, Lt. G. A.	Arch. 1914-15	M.C.(Bar)
BISSETT, CAPT. G. W.	Med. 1912-16	
	M.D.'17	M. in D.
BLACK, CAPT. L. G.	App. Sci. 1914-15	M.C.
BLACKADER, LT. K. G.	App. Sci. 1915-16	M.C.
BLAYLOCK, LtCol. H. W.	B.C.L.'03	C.B.E., M. in D. L.H., O/Crown of Italy, O/St. Sava
BOND, MAJOR F. L. C.	B.A.Sc.'98	D.S.O.
BOSTOCK, Lt. A. H. (K. in A.)	App. Sci. 1913-14	M. in D.
BOURKE, GUNNER G. W.	B.A.'17	M.M.
BOVEY, LTCol. F. H. W.	B.A.'03	O.B.E., M. in D. M.R.F. (3rd Class)
BOWIE, MAJOR R. A.	M.D.'91	M. in D.
BRADFORD, SERGT. W. C. R.	Agr. 1913-15 B.S.A.'21	M.M.
BRIGGS, Major J. A.	M.D.'05	M.C.
BRIGGS, CAPT. T. A.	M.D.'13	M.C.
BRONSON, CAPT. C. G.	App. Sci. 1912-14	D.S.O., C. de G.
BROPHY, Lt. J. B. (K. in A.)	Arts 1913-14	M. in D. (several)
BRYDONE-JACK, CAPT. H. D.	B.Sc.'11	M.C., M. in D.
BUCHANAN, LTCol. V. C. (K. in A.)	Arts 1885-86	D.S.O., M. in D.(2)
BUCKLEY, CAPT. P. B.	B.Sc.'15	M.C.
BULL, CAPT. W. E.	B.Sc.'15	M.C.
BURKE, CAPT. E. A.	B.C.L.'00	O.B.E., M. in D.(3)
BURLAND, CAPT. G. H.	Arts 1914-15 B.Com.'20	M.C.
BURLAND, Lr. G. L.	B.Sc.'10	Star of Roumania
BURNETT, Col. Philip	M.D.'00	D.S.O., M. in D.
BUTTENSHAW, MAJOR A. S.	B.Sc.'10	D.S.O., M. in D.
CALDER, CAPT. R. L.	B.C.L.'06	M.C.
CALDWELL, LTCol. T. R.	Arts-Sci. 1908-10	M.B.E., M. in D.
CAMERON, LTCol. A. G.	B.C.L.'10	D.S.O., M. in D.
CAMERON, MAJOR G. L.	D.D.S.'08	D.S.O., M. in D.
CAMERON, Col. Kenneth	B.A.'84, M.D.'87	C.M.G., M. in D.(3) M. in D.
CAMPBELL, LTCol. R. P. (K. in A.)		M. in D.
CAMPBELL, SERGT. W. B.	B.Sc.'10	D.S.O., M. in D.
CAPPEN C	B.Sc.'98 B.Sc.'04	M.C.
CARDEW, CAPT. J. H. (K. in A.)	App. Sci. 1914-15	M.C.
CARNSEW, Lt. C. N. T.	App. Sci. 1913-15	2,4101
CARTWRIGHT, Lt. G. H.	B.Sc.'22	M.C. M.C., M. in D.(2)
CARUS-WILSON, CAPT. ERIC	B.Sc.'14	M. in D.
CHANDLER, CAPT. A. B.	B.A.'04, M.D.'06	M. in D.
CHAPPELL, LT. FRANK	App. Sci. 1908-09	M.C.
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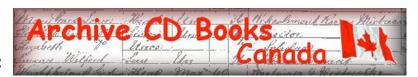
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