



# CONVOCATION

THURSDAY, 12th OCTOBER  
1967

LADY BEAVERBROOK RINK  
THE UNIVERSITY OF NEW BRUNSWICK

The audience is requested to stand when the Academic Procession arrives, to remain standing until the close of the Prayer of Invocation, and at the close of Convocation, following the singing of O Canada, to remain until the Academic Procession has left.

Music for the Fifteenth Convocation is by the University of New Brunswick Band under the direction of D. V. Start, A.R.C.M., Director of Music.

Graduates, guests and the public are cordially invited to attend a reception in Lady Dunn Hall immediately after Convocation.

## ORDER OF PROCEEDINGS

### PROCESSIONAL MARCH

Ceremonial.....*Whitney*  
Chair taken by THE HONOURABLE JOHN B. MCNAIR, Q.C., B.A., B.C.L., LL.D., D.C.L., K. St.J., Lieutenant-Governor of New Brunswick and Visitor to the University on behalf of Her Majesty, The Queen.

### GOD SAVE THE QUEEN

### INVOCATION

By MONSIGNOR D. C. DUFFIE, B.A., B.C.L., D.C.L., B.Th., LL.D.  
*President of St. Thomas University*

### REMARKS BY THE PRESIDENT AND VICE-CHANCELLOR

COLIN B. MACKAY, Q.C., B.A., LL.B., D.C.L., LL.D.

### CONFERRING OF HONORARY DEGREES

Candidates will be presented by R. E. D. CATTLEY, M.A.  
*Professor of Classics and Ancient History, Head of the Department,  
and University Orator.*

#### To Be Doctor of Laws

WILLIAM KAYE LAMB  
WILLARD JOSEPH L'HEUREUX

#### To Be Doctor of Civil Law

EEDSON LOUIS MILLARD BURNS

#### To Be Doctor of Letters

FRANK CHALTON FRANCIS

#### To Be Doctor of Laws

ROBERT FRANCIS KENNEDY

### CONVOCATION ADDRESS

DR. ROBERT FRANCIS KENNEDY

### PRESENTATION OF PRIZES AND MEDALS

By the President and Vice-Chancellor

### CONFERRING OF DEGREES OF DOCTOR OF PHILOSOPHY IN COURSE

Candidates will be presented by the Dean of Graduate Studies.

### CONFERRING OF MASTERS' DEGREES IN COURSE

Candidates will be presented by W. C. D. PACEY, Ph.D., F.R.S.C.,  
*Professor of English, Head of the Department, and Dean of Graduate  
Studies.*

### CONFERRING OF BACHELORS' DEGREES IN COURSE

Candidates will be presented by the University Orator

### O CANADA

### RECESSIONAL MARCH

Proud Heritage.....*Latham*

### INTRODUCTORY MUSIC

The Sound of Music ... .. *Rodgers*

La Perichole ... .. *Offenbach*

Georgy Girl ... .. *Springfield*

## Conferring of Honorary Degrees

*Candidates Presented by the University Orator,  
Professor R. E. D. Cattley*

*(The English citations hereunder will each be followed by the words of the traditional Latin presentation)*

**WILLIAM KAYE LAMB**  
to be  
Doctor of Laws

As the U.B.C. Graduate Chronicle wrote in 1948, "He might have been a sea captain, or an economist, or a playwright. His interests are wide enough . . . But perhaps a whopping (*sic*) big mark in Honours History settled his career for him." To-day, as Dominion Archivist and head of the National Library in Ottawa, he has borne out the prophecy of U.B.C.'s then President (our own past President) that as a librarian he looked impossible to replace. Dr. MacKenzie was about to inaugurate his university library's new wing—added thanks to his irreplaceable librarian's urging.

Dr. Lamb was under no illusions about his new task. Canada in 1948 was the only civilized country in the world without a national library. The disgrace was lessened in that all the material on Canada was in Canada, but scattered across its 3,000 miles, most of it in collections. Frank Underhill, the historian, lamented that to secure full copies of the old *Toronto Globe* one had to pursue them through five major libraries and the Public Archives—and still not get a complete file.

The challenge was not so much physically to centralize the paper as to make its whereabouts known. And so, under Lamb's tireless hand, has grown the great Union Catalogue. It has become a catalogue of catalogues of 272 Canadian libraries including the big ones, and embracing those of the Library of Congress, the British Museum and the Bibliothèque Nationale—7 million entries and the key to 10 million.

Our worthiest centennial achievement, the National Library is, of course, a master library in its own right. "Ours", says Lamb, "is a million book library". When to this million are added the collections of forty-four Government Departments (to whom Lamb has appeared as a Scavenging Angel) it approximates to two million.

Born as a gleam in Sir John A. MacDonald's eye, it has struggled through a century of hazards from fire, financial freezing, two wars, and a morass of political apathy. Its functional exterior encloses 13 acres of floor space and 21 miles of shelving, shrewdly designed on the Meccano principle for re-deployment at need; and it is graced by its inspirer's darling, "the nicest stairway in the country". Its Telex chatters daily to 40 libraries across the land, including our own, at whose opening yesterday the National Librarian most auspiciously and, I need not add, most willingly consented to assist.

**WILLARD JOSEPH L'HEUREUX**  
to be  
Doctor of Laws

The Department of Physical Education at U.N.B. has completed its first ten years with the highest enrolment in Canada for the Bachelor of Physical Education degree.

The Department deserves, and yesterday received, a second testimonial. Serving not only its own discipline but the needs of Varsity athletics and Bio-Engineering, it has operated out of a gymnasium never designed for a university

department. Now, on the threshold of its second decade, when superbly adequate facilities have been added through the gift of the Beaverbrook Foundation, it is auspicious that at the opening of these two massive wings our Chancellor should have had at his side the most outstanding figure in Canadian Physical Education and Athletics, and a good friend of U.N.B., Willard Joseph L'Heureux.

With twenty-seven years as a practical teacher of his subject, Professor L'Heureux heads at Western one of the four large Canadian university departments of Physical Education. But his influence has a national scope. He was responsible for inducing the Canadian Medical Association to sit around a table with the "Phys. Eds." and to form the Canadian Association for Sports Medicine. The A.U.C.C. have him on their committee for Physical Education and Athletics, and the Federal Government on its National Advisory Council for Fitness and Amateur Sport.

With U.N.B. Professor L'Heureux's ties have been strong and, as more than his name implies, happy. To his penetrating study of Canadian hockey our own Dr. John Meagher was a powerful contributor. On both have been most fitly bestowed the Tait McKenzie Awards of Honour, and Professor L'Heureux delivered the Tait McKenzie Memorial Address in McConnell Hall, 1965.

Though several of his publications betray that the sport closest to his heart is hockey, he has an objective view of all sports at all levels—recreational, school, national amateur, and professional. This broad vision he has summed up with modest but pungent brevity: "It is quite possible that a re-examination of our purposes at this time may cause to appear a unique Canadian philosophy of sport which will be realistic, virile, and long-lasting."

**EEDSON LOUIS MILLARD BURNS**  
to be  
Doctor of Civil Law

When good generals write good literature, the discerning will vouch for a greatness of character. Like Viscount Wavell of Cyrenaica, General "Elmer" "Tommy" Burns (to give him his camp nicknames) is an authority in prose and a lover of poetry—which illuminates a far from flashy but invaluable career.

By earliest choice a professional soldier, he won in the first world war the M.C., between wars the O.B.E., and in world war II the D.S.O. Last summer he was among the distinguished Canadians on whom the Prime Minister bestowed the new Companion of Canada award. He began in the Engineers, specialized in air-photographic survey, and ended by commanding the 1st Canadian Corps in its drive on Rimini. Transferred at war's end to Veterans' Affairs, he was sought out in 1954 to be Chief of the U.N. Truce Supervision Organization in Palestine, as a Canadian general officer with experience on the battlefield and a capacity for negotiation.

For this powder keg of a task Burns proved an ideal choice, as Arabs, Israelis, and the U.N. severally found out. But impartiality not negotiation was his *forte*. Bitterly criticized by both warring parties, he won the respect of each and—an even greater tribute—the admiration of Dag Hammarskjöld, who extended his appointment.

This stocky, taciturn, trouble-shooting soldier, with his penchant for flowers and verse, foretold no rapid solution to the quarrels of that tortured land. And when the war he could not prevent, and the Suez crisis, were over, he was made Commander of the U.N. Emergency Force, to keep the inflamed belligerents apart.

Apart he kept them, until in 1959 his Prime Minister elevated him to the hazards of world disarmament. In 1960 he led the Canadian delegation in the 10-nation Disarmament Conference and to its expanded version in 1962.

He is still leading it. And if his optimism at a draft non-proliferation treaty appears guarded, read the sombre reasons in his latest book *Megamurder*.

We regret that his vital duties prevent him being present to-day to receive from U.N.B. what is his first Honorary Degree from any university. Let us, however, bolster our pride with the consolation that the world is safer for one afternoon with General Burns in Geneva than Doctor Burns in Fredericton.

**FRANK CHALTON FRANCIS**  
to be  
**Doctor of Letters**

Sir Frank Francis, K.C.B., a classical scholar and a Cambridge man, has for four decades and a year been a guiding spirit at the British Museum. For forty of those years he has been associated with its Library, becoming in 1948 Keeper in the Department of Printed Books, a keepership which he had unofficially and very literally exercised, with the world's undying gratitude, during and after the "Blitz". In 1959, on the bi-centenary of the Museum's opening, he was appointed its Director and Principal Librarian.

His interests, broad and deep as they are, are focussed on Bibliography, and he attaches great importance to his long association with the Bibliographical Society, having been for over quarter of a century its Honorary Secretary. UNESCO, whose committees he has advised since their inception, has contributed to his being a frequent visitor to North America. For, as he points out, "one can do so much by friendship that one cannot do by formal business contacts."

The catalogue of his library's printed books, of which he inaugurated the photo-print edition, is, as you have heard, included in our own. It runs to 300 odd volumes and its entries approximate to 6 million. For the British Museum contains the greatest collection of English books anywhere.

The B.M.'s famous reading room welcomes a motley assortment of zealots—provided only that their activities are silent. Karl Marx studied there, and there could be, and actually were, glimpsed, deep-rooted over unmeasured years, two such latter day Aristotles as a monk (bearded and portly) in his habit and skull cap, cheek by jowl with a researcher from the tropics (bearded and emaciated), distinguished by his stove-pipe hat and a mania for other readers' spectacles! It is small wonder that, in the words of one of Sir Frank's predecessors, "the British Museum is, next to the Royal Navy, the national institution which is held in most respect abroad. A visit to it is almost obligatory on travellers to this country; and foreign scholars regard it with a reverence which they sometimes extend to the temporary custodians of its treasures."

Let me assure the present custodian of *our* reverence. Had his retirement not been announced this week, we would have had his custodianship last for ever. We have listened with appreciation to his lectures for the Beaverbrook Foundation; he has with our own National Librarian graced the opening of the Harriet Irving Library; and we are proud now to enroll this most distinguished of Bibliographers as our Alumnus and to confer on him our Honorary Degree of Doctor of Letters.

**ROBERT FRANCIS KENNEDY**  
to be  
**Doctor of Laws**

He is the second Kennedy whom it has been my privilege to present for this degree, and this is a memorable moment.

The Kennedys are world figures. A dynastic aura is already forming around that brilliant and controversial family. And it envelopes our attractive visitor.

A supremely youthful forty-one, he is the *non-pareil* of American youth. Tousle-haired, athletic, and venturesome, his every activity is exhaustively chronicled, whether he is shooting the rapids of an Idaho river, scaling the 14,000 ft. peak of Mt. Kennedy in Canada, or sailing the reef-studded waters of Penobscot Bay.

His domestic life has a spontaneous appeal. Father of 10, the relentless press camera catches him romping with his younger fry, dealing with their animal pets, or playing that taxing Kennedy touch-football, his wife Ethel a valiant team-mate.

Politically his variegated utterances—and he is far from tongue-tied—are seized upon, dissected, and (such is the Kennedy mystique) even when rated unfavourable, turned in his favour.

Now auras are not necessarily evil, and they can, of course, be first-class publicity. Let us who are his good neighbours pierce these 'trailing clouds of glory' and take an objective view before he bewitches you with his Kennedy eloquence.

There is an old Greek proverb: "Office will prove the man". To Robert Kennedy have fallen two great public offices. He is a member, very junior, of the United States Senate, and was before that a member, very prominent, of the President's cabinet. His record in each has been full of promise. As a Senator he had within three weeks of his swearing-in introduced the first of several well reasoned amendments, whereas his brothers waited, one five months, the other sixteen, to deliver their maiden speeches. As Attorney General he early outlived the stigma of nepotism and left an impressive record in the broad areas of civil rights, prison reform and immigration.

Such are not cloud but substance.

For higher goals he disclaims any present ambition. He can afford to. For it is salutary to remember that in 1972 the present Vice-President will be 61, one in three of all American voters will be under 35, and Robert Francis Kennedy only 46.

## PRIZE LIST

1967

- Alumni Prize*—highest standing in required subjects in First Year  
PETER MEI TZONG TING, Montreal, Quebec
- Marshall D'Avray Prize in English Literature*—third year English  
JAMES CHRISTIE READ, Truro, Nova Scotia
- Loring Woart Bailey Prize in Science*—third year Biology  
ELIZABETH ANNE FAIRWEATHER, Hampton, New Brunswick
- Bolster, Charles, Scholarship*—most promising student in Creative Writing  
MICHAEL BRIAN OLIVER, Fredericton, New Brunswick  
PATRICIA ELIZABETH PACEY, Fredericton, New Brunswick
- John Storrs Brookfield Scholarship*—second year Science  
WESLEY ARTHUR JAMIESON, Bathurst, New Brunswick
- Edwin Botsford Busted Memorial Scholarship*—third year Economics  
GARY WILFRED LEBLANC, Moncton, New Brunswick
- Butterworth Prizes*—second highest first year Law  
JOHN STEPHENSON MACPHEE, Fredericton, New Brunswick  
—second highest second year Law  
JOHN GEDDES BRYDEN, Nashwaaksis, New Brunswick
- Canada Law Book Company Prizes*—highest standing in any course of  
First Year Law—  
MARK LORNE JEWETT, Fredericton, New Brunswick  
Second Year Law—  
DOUGLAS LESLIE SMITH, Moncton, New Brunswick
- Canadian Institute of Forestry (N.S. Section) Prize*—  
FREDERICK JOHN DELOREY, Afton, Nova Scotia
- Bliss Carman Memorial Prize*—best group of six poems  
WANDA IRENE GLASS, Bath, New Brunswick
- Carswell Prizes*—highest standing in second year Law  
DOUGLAS LESLIE SMITH, Moncton, New Brunswick  
—highest standing in first year Law  
LEVI EDWARD CLAIN, Sussex, New Brunswick
- W. S. Carter Memorial Scholarship*—first year English  
VAUGHAN ANDREW DICKSON, Saint John, New Brunswick  
LOIS ELIZABETH GLENNIE, Fredericton, New Brunswick
- Chemical Institute of Canada Prize*—third year Chemistry  
PHILIP DARRELL EDWARDS, Mouth of Keswick, New Brunswick
- Clarkson, Gordon and Company Prize*—highest average in Accounting, Finance,  
Production and Statistics  
SHEILAH MAUD REID, Campbellton, New Brunswick
- Colby, Mary Dolan, Prize*—first year Business Administration  
LOUISE PAULA LORD, Juniper Station, New Brunswick
- Cox, Dr. Philip, Memorial Prize*  
MURIEL PHYLLIS ROACH, Rexton, New Brunswick
- Foster, Dr. Berton C. Memorial Scholarship*—first year Fredericton High School  
(not Beaverbrook)  
PETER MEI TZONG TING, Montreal, Quebec
- Freeze, Ralph St. J. and Charles E. Scholarships*—second year English  
CLAYTON JOSEPH BURNS, R.R. No. 2, Fredericton, New Brunswick  
MICHAEL EDWARD MULVANEY, Moncton, New Brunswick
- J. Miles Gibson Prize*—high standing entering second year Forestry  
LYNN ALLISON MASON, St. Andrews, New Brunswick
- Golt, Judge Maynard B. Scholarship*—in Criminal Law  
LEVI EDWARD CLAIN, Sussex, New Brunswick
- Hanson, the Richard Burpee, Scholarship*—Male student. Highest total of marks  
in English and History of second year.  
MICHAEL JOHN FINLEY, Charlottetown, Prince Edward Island
- Thomas Harrison Memorial Scholarship*—most promising student in Mathematics  
2130, 2030  
MARY GERMAINE GATIEN, Halifax, Nova Scotia  
WESLEY ARTHUR JAMIESON, Bathurst, New Brunswick  
JOHN BRUCE MURRAY, Fredericton, New Brunswick
- Hoben, Thomas E., Scholarship*  
DEBORAH ANN LYONS, Douglastown, New Brunswick
- I.O.D.E. Prize*—highest standing British Empire History  
RICHARD GREGORY THORNE, Saint John, New Brunswick
- Jones, Dr. C. C., Memorial Scholarship*—first division Mathematics 1000 and  
high general standing  
GEORGE ALEXANDER BALSER, Moncton, New Brunswick
- Lipsett, Herbert Memorial Prize*—Academic excellence in Biology  
MYRTLE CORA BATEMAN, Dorchester Crossing, New Brunswick
- Purves Logie Scholarship*—second year Surveying  
VAN KHAI NGUYEN, South Viet-Nam
- MacNeill, William, Scholarship*—high Academic standing entering first year  
Forestry  
JOHN PAUL SHEPPARD, Grand Falls, Newfoundland
- Fred Magee Scholarships*—third year French  
JOHN AUSTIN BEGGS, London, Ontario  
—second year French  
JUDITH MARY RICHARDS, Campbellton, New Brunswick  
—first year French  
LOIS ELIZABETH GLENNIE, Fredericton, New Brunswick
- Montgomery-Campbell Prize*—third year Latin and Greek  
MADELAINE LOUISE LONG, Fredericton, New Brunswick
- Roberts, Sir Charles G. D. Prize*—best short story  
PATRICIA ELIZABETH PACEY, Fredericton, New Brunswick
- Eunice White Robertson Prize in History*  
KRISTINA VALCIULENAS, Saint John, New Brunswick
- Saint George Scholarship*—highest standing in second year English  
MICHAEL JOHN FINLEY, Charlottetown, Prince Edward Island
- Schlich Memorial Award*—highest standing in fourth year Forestry  
THOMAS WHITE PIERCE, Halifax, Nova Scotia
- William Somerville Scholarship*—highest standing in second year Mathematics  
(Mathematics 2000)  
MURIEL PHYLLIS ROACH, Rexton, New Brunswick
- Noel Stone Memorial Prize*—third year Chemistry  
GERALD ARTHUR MACALPINE, Gagetown, New Brunswick
- White, Edna Scholarships*—in Classical studies  
CATHERINE ELIZABETH BISHOP, Saint John, New Brunswick  
JANET TZEN CHIH LEE, Sarawak, Malaysia  
RICHARD BARRY WILSON, Saint John, New Brunswick

- W. T. Whitehead Memorial Scholarship*—third year Forestry  
IAN ROBERT METHVEN, Fredericton, New Brunswick
- Velensky, Harry, Prize*—best essay on the subject of Human Relations  
JAMES ANDREWS MACNAUGHTON, Newcastle, New Brunswick
- Cyrus and Ann Eaton Prize*—for distinguished work in American Studies  
DIANE PATRICIA HICKS, Saint John, New Brunswick  
GEORGE WILLIAM KITCHEN, R.R. No. 4, Fredericton, New Brunswick  
of the May, 1967 graduating class (not previously announced)
- Budovitch, Sandra Memorial Prize*—highest standing in Honours Sociology in  
graduating year  
KATHERINE KELTIE REID, Gagetown, New Brunswick

## CONFERRING OF HIGHER DEGREES IN COURSE

### *Candidates Presented by the Dean of Graduate Studies*

#### DOCTOR OF PHILOSOPHY

- CHEE CHYANG CHEUNG (Chemistry) .....Hong Kong  
(B.Sc., 1959, Wuhan University)  
Title of Thesis: *The Photochemistry of 1, 2-Dichloroethylene.*
- HERMANN DUGAS (Chemistry).....Montreal, Quebec  
(B.Sc., 1964, Université de Montréal)  
Title of Thesis: *Approaches to the Synthesis of Lycopodine.*
- MARYANNE ELIZABETH HAZENBERG-MOFFATT  
(Chemistry).....St. Stephen, New Brunswick  
(B.Sc., 1961, U.N.B.)  
Title of Thesis: *A Total Synthesis of epi-Lycopodine*

#### MASTER OF ARTS

- ALICK ROBERT ANDREWS (Sociology).....St. John's, Newfoundland  
(B.A., 1965, Memorial University)  
Title of Thesis: *Social Crisis and Labour Mobility: A Study of Economic  
and Social Change in a New Brunswick Railway Com-  
munity.*
- PETER MARSHALL BUTLER (Sociology) .....St. John's, Newfoundland  
(B.A., 1965, Memorial University)  
Title of Thesis: *Migrants and Settlers: The Influence of Geographical  
Mobility on the Retention of Kinship Ties.*
- RAYMOND LESLIE FOOTE (Sociology) .....St. John's, Newfoundland  
(B.A., 1965, U.N.B.)  
Title of Thesis: *The Fredericton Jewish Community: A Study in Class,  
Status, and Religion.*
- HERBERT DOUGLAS HAGERMAN (Philosophy) ..... Montreal, Quebec  
(B.A., 1963, U.N.B.)  
Title of Thesis: *The Completeness Criterion and P. F. Strawson's Theory  
of Predication.*
- GEORGE THOMAS HALEY (English) ..... Maniwaki, Quebec  
(B.A., 1961, St. Francis Xavier University)  
Title of Thesis: *The Development of Morality in Sir Thomas Malory's  
Le Morte D'Arthur.*
- ROGER BURNETT HARLEY (History) .....Rothsay, New Brunswick  
(B.A., 1961, U.N.B.)  
Title of Thesis: *"From Richard's Night, to Bollingbroke's Fair Day": The  
Political Ideas in Shakespeare's Richard II.*
- KEVIN HENRION FRANCIS O'BRIEN (English).....Antigonish, Nova Scotia  
(B.A., 1961, St. Francis Xavier University, B.Ed., 1963, U.N.B.)  
Title of Thesis: *Oscar Wilde and the Maritimes.*
- KENNETH ALLAN PHILLIPS (English).....Quebec City, Quebec  
(B.A., 1965, St. Francis Xavier University)  
Title of Thesis: *A Study of the Catholic Attitudes in the Novels of Graham  
Greene and Evelyn Waugh.*
- KATHERIN ANN ROBINSON (Romance Languages)..Fredericton, New Brunswick  
(B.A., 1947, U.N.B.)  
Title of Report: *The Teaching of French as a Second Language—A Case  
Study.*
- PETER MICHAEL TONER (History) .....Fredericton, New Brunswick  
(B.A., 1965, St. Thomas University)  
Title of Thesis: *The New Brunswick Separate Schools Issue, 1864-1876.*
- DIANNE ROCHELLE VERBIEREN (English) .....Trenton, Ontario  
(B.A., 1964, Acadia University)  
Title of Thesis: *Satiric Fable in the Short Stories of D. H. Lawrence.*

#### MASTER OF SCIENCE

- LAWRENCE CHEIN-MING CHEN (Biology).....Taiwan, Nationalist China  
(B.Sc., 1961, Taiwan Normal University)  
Title of Thesis: *Rhizoid Development in Pholysiphonia Urceolata.*
- WILLIAM DANIEL GUNTER (Geology).....Fredericton, New Brunswick  
(B.Sc., 1964, U.N.B.)  
Title of Thesis: *Feldspars from a Tholeiite Sill, Grand Manan, New Brunswick.*
- LESLEY JEANETTE PINDER (Biology).....Moncton, New Brunswick  
(B.P.E., 1965, B.A., 1966, U.N.B.)  
Title of Thesis: *Buoyancy Studies in Parr and Smolt of the Atlantic Salmon (Salmo Salar L.)*
- GEORGE LAWRENCE ROBINSON (Biology) .....Fredericton, New Brunswick  
(B.Sc., 1964, U.N.B.)  
Title of Thesis: *The Structure and Some Functions of the Respiratory Apparatus in Spiders.*
- JAMES HOWARD CASSIDY WALKER (Biology).....Newcastle, New Brunswick  
(B.A., 1964, Mount Allison University)  
Title of Thesis: *Odor Discrimination in Relation to Homing in Atlantic Salmon, Salmo Salar.*
- CHRISTOPHERE ARTHUR JOHN WILLIAMS (Chemistry) .....Dorset, England  
(B.Sc., 1963, Southampton, England)  
Title of Thesis: *Studies Leading to the Preparation of an Unsaturated Tricyclic Keto Lactam Intermediate in the Synthesis of Annotinine.*

#### MASTER OF SCIENCE IN ENGINEERING

- JOHN WILLIAM MORGAN CAMPBELL (Civil) .....Saskatoon, Saskatchewan  
(B.Sc., 1963, U.N.B.)  
Title of Thesis: *Instrumentation for Measuring Moisture and Temperature Effects of Frost in a Highway Subgrade.*
- DINABONDHU CHAKRABORTY (Chemical) .....Chittagong, Pakistan  
(B.Sc., 1961, Dacca University)  
Title of Thesis: *Absorption and Reaction of a Multicomponent Gas Mixture Containing a Number of Sulfur Gases.*
- VAUGHN ALEC DUNFIELD (Electrical) ... Anagance, Kings Co., New Brunswick  
(B.Sc., 1962, U.N.B.)  
Title of Thesis: *An Electronic Aid for the Alignment of the Below-Knee Pylon Prosthesis.*
- ROBERT HEPBURN (Surveying) .....Port Elizabeth, South Africa  
(B.Sc., 1964, U.N.B.)  
Title of Thesis: *Analytical Treatment of Convergent Photography.*
- GHOUSE MOHAMED ISMAIL (Civil) ..... Madras, India  
(B.Sc., 1961, Annamalai University)  
Title of Thesis: *The Study of Consolidation Characteristics of a Soil Using Two Different Consolidometers.*
- SHASHIKANT PURUSHOTTAM MENE (Chemical) ..... Nagpur, India  
(B.Tech., 1965, University of Nagpur)  
Title of Thesis: *Liquid Diffusivities for the System n-Butanol—Benzene.*
- GRAHAM CAMERON MUNN (Electrical) .....Courcellette, Quebec  
(B.Sc., 1964, U.N.B.)  
Title of Thesis: *A Time Optimal Control System.*
- RICHARD ARTHUR SULLIVAN (Electrical).....Fredericton, New Brunswick  
(B.Sc., 1961, U.N.B.)  
Title of Thesis: *A Primary Network for Distribution Circuits.*
- PARAMESHWARAN SHYAM SUNDAR (Chemical).....New Delhi, India  
(B.Tech., 1965, Indian Institute of Technology, Bombay)  
Title of Thesis: *The Optimal Design of Water Gas Shift Converters.*

#### MASTER OF EDUCATION

- BRUCE ALLEN MACFARLANE .....Moncton, New Brunswick  
(B.A., 1962, B.Ed., 1963, Mount Allison University)  
Title of Thesis: *Correlates of Personality, Intelligence, Achievement, and Creativity.*
- JOHN CHALMERS MILBURY.....Wolverhampton, England  
(B.Sc., 1941, B.Ed., 1951, U.N.B.)  
Title of Thesis: *Vocational Education in New Brunswick, 1900-1967.*

- Marshal of Convocation, WILLIAM Y. SMITH, B.A., M.A.  
*Head of the Department of Economics and Political Science*

## CONFERRING OF BACHELORS' DEGREES IN COURSE

### *Candidates Presented by the University Orator* (Listed alphabetically, not by standing)

#### BACHELOR OF EDUCATION

JOHN MACDONALD ADAMS ..... Saint John West, New Brunswick  
 ROBERT FREDERICK VERNON BANKS ..... Moncton, New Brunswick  
 GEOFFREY GOODWIN BELL ..... Moncton, New Brunswick  
 JAMES LEO BLANCHARD ..... Dalhousie, New Brunswick  
 STUART REGINALD BOISVERT ..... Hawkesbury, Ontario  
 ELSTON JAMES BOUTILIER ..... North West Cove, Nova Scotia  
 INEZ ISABELLA BRANCH ..... Bathurst, New Brunswick  
 JOHN MARTIN BRANSWELL ..... Sherbrooke, Quebec  
 JOAN CAROLINE BURGONE ..... Fredericton, New Brunswick  
 BARBARA DAWN BURPEE ..... Fredericton, New Brunswick  
 EDWARD DELMONT CARR ..... Doaktown, New Brunswick  
 RUSSEL JOHN CHRISTIE ..... Fredericton, New Brunswick  
 VINCENT JAMES COLTON ..... Bathurst, New Brunswick  
 ROBERT WILLIAM CONNELL ..... Chatham, New Brunswick  
 EDMUND FRANCIS CREARY ..... Bathurst, New Brunswick  
 JOHN BARKER DELONG ..... Saint John, New Brunswick  
 RAY ARTHUR DUBOYCE ..... Ste. Agathe des Monts, Quebec  
 PHILIP GERALD DUFFLEY ..... Saint John, New Brunswick  
 GARFIELD CHARLES DYKEMAN ..... Nashwaaksis, New Brunswick  
 JOHN ST. CLAIR EDWARDS ..... Fredericton, New Brunswick  
 VIVIANE MARIE EDWARDS ..... Fredericton, New Brunswick  
 RICHARD JOSEPH FITZGERALD ..... Saint John, New Brunswick  
 HILTON ROSS GIBERSON ..... Arthurette, New Brunswick  
 NORAH JOAN GILLIS ..... Fredericton, New Brunswick  
 DIANE MARIE GORMAN ..... Fredericton, New Brunswick  
 RUBY BEATRICE GRAHAM ..... Fredericton, New Brunswick  
 EDWARD ERNEST GREEN ..... Ottawa, Ontario  
 THOMAS ALBERT HANRATTY ..... Lancaster, New Brunswick  
 RALPH DOUGLAS HARRIS ..... Oromocto, New Brunswick  
 WILFRED HENRY HARRISON ..... Saint John, New Brunswick  
 MARY WINNIFRED HICKEY ..... St. Stephen, New Brunswick  
 FREDERICK GERARD HORGAN ..... Saint John, New Brunswick  
 CATHERINE CAROL HOVEY ..... St. Stephen, New Brunswick  
 FITZ-JAMES MICHAEL KANE ..... West Saint John, New Brunswick  
 ALLISON DYSART KINGSTON ..... Fredericton, New Brunswick  
 PAULINE ELDA KIRKPATRICK ..... Chipman, New Brunswick  
 FERNE HAZEL LABOSSIERE ..... Blackville, New Brunswick  
 JOHN BAPTISTE LABOSSIERE ..... Bass River, New Brunswick  
 ELIZABETH ROSE LENEHAN ..... Moncton, New Brunswick  
 DONALD MALCOLM LITTLE ..... Westfield, New Brunswick  
 SHARON RAE LITTLE ..... Port Stanley, Ontario  
 GERALD WILBUR MABEY ..... Saint John, New Brunswick  
 JOHN ADRIAN MCCARTHY ..... Blackville, New Brunswick  
 DAVID AMBROSE MCCORMACK ..... Fredericton, New Brunswick  
 LINDA AILEEN MACDONALD ..... Saint John, New Brunswick  
 PAULINE ALICE MACKENZIE ..... Fredericton, New Brunswick  
 FRANCIS CHARLES McNEILL ..... Saint John, New Brunswick  
 GILLIS PHILIP MARCOTTE ..... Shawinigan, Quebec  
 LEE GERALD MERRITT ..... Fredericton Jct., New Brunswick  
 STUART LESLIE MILLS ..... Nashwaaksis, New Brunswick  
 DONNA MARIE MOWRY ..... Temiscaming, Quebec  
 GARRY WENTWORTH MURLEY ..... Windsor, Nova Scotia  
 GEORGE RICHARD PATTERSON ..... Fredericton, New Brunswick  
 SARA ANNE PETTIGREW ..... Montebello, Quebec

CAROLE VIVIAN PHALEN ..... Fredericton, New Brunswick  
 SALLY ANN PIKE ..... Woodstock, New Brunswick  
 MAUREEN ELIZABETH PITTS ..... Saint John, New Brunswick  
 WILLIAM GORDON QUIGLEY ..... Chibougamau, Quebec  
 FRANK JAMFS SENTELL ..... Moncton, New Brunswick  
 CLAUDETTE MARTHA SHEPARD ..... Fredericton, New Brunswick  
 SISTER ANGELINA AGNES MARTZ ..... Saint John, New Brunswick  
 ALBERT JOSEPH SMITH ..... Bath, New Brunswick  
 LYNN ANNE SMITH ..... Rothesay, New Brunswick  
 GEORGE BERNARD SWIFT ..... Maniwaki, Quebec  
 RICHARD WILLIAM TALLBOY ..... Montreal, Quebec  
 JANE GORMAN TRUEMAN ..... Halifax, Nova Scotia  
 MADELINE GENEVIEVE TUFTS ..... Ottawa, Ontario  
 CHARLES EDWARD VERHILLE ..... Saint John, New Brunswick

#### BACHELOR OF ARTS WITH HONOURS

JANE ELIZABETH LIKELY ..... Fredericton, New Brunswick  
 (History)

#### BACHELOR OF ARTS

ROBERT MATTHEW ALEXANDER ..... Saint John, New Brunswick  
 JAMES WALTER ANDOW ..... Woodstock, New Brunswick  
 JANE ELIZABETH BAIRD ..... Perth, New Brunswick  
 LAURIE LEE BALDWIN ..... Fredericton, New Brunswick  
 JOHN LAWRENCE BATES ..... Pointe Claire, Quebec  
 WILLIAM ERNEST BAYES ..... Weston, Ontario  
 CYRUS VALENTINE BERNARD ..... McAdam, New Brunswick  
 JOHN ALEXANDER GORDON BOOTH ..... Fredericton, New Brunswick  
 CARLETON LE ROY BROWN ..... Fredericton, New Brunswick  
 WINFIELD ROBERT BROWN ..... Lawrence Station, New Brunswick  
 FLORENCE ELIZABETH CHISWELL ..... Kingston, New Brunswick  
 IVAN EDWARD CLEWLEY ..... Fredericton, New Brunswick  
 MARY MARGUERITE COLFORD ..... Saint John, New Brunswick  
 GARY GEORGE COLWELL ..... Woodstock, New Brunswick  
 RONALD EDWARD DAVIDSON ..... Fredericton, New Brunswick  
 DAVID WILLIAM DOBBIN ..... Saint John, New Brunswick  
 JOHN DOUGLAS FOX ..... Saint John, New Brunswick  
 JEREMY SIMON HUGH GADD ..... Saint John, New Brunswick  
 ANN TAYLOR GRAHAM ..... Toronto, Ontario  
 GALE DENYSE O'BRIEN GREEN ..... Niagara-on-the-Lake, Ontario  
 CAROL MAY HARRIS ..... Saint John, New Brunswick  
 DONALD FREDERICK HAZELTON ..... Brookfield, Nova Scotia  
 MARY PATRICIA HICKEY ..... Saint John, New Brunswick  
 ANDREW NORMAN HILL ..... Saint John, New Brunswick  
 PETER ARTHUR HINCHCLIFFE ..... Pointe Claire, Quebec  
 ROBERT HIRSCH ..... Kingston, Ontario  
 BARBARA MARY JONES ..... Ottawa, Ontario  
 GERALD CHARLES KEILTY ..... Saint John, New Brunswick  
 BARRY CRANDALL KILPATRICK ..... Hampton, New Brunswick  
 JOHN ALBERT KITCHEN ..... Kingston, Ontario  
 MARY CATHERINE LEBLANC ..... Fredericton, New Brunswick  
 JAMES MANSFIELD LONDON ..... Marysville, New Brunswick  
 FRANK WHITFIELD LOOMER ..... Saint John, New Brunswick  
 DOUGLAS MURRAY MACAULAY ..... Springfield, Massachusetts, U.S.A.  
 ALEXANDER WILLIAM MACFARLANE ..... Nashwaaksis, New Brunswick  
 GWENNYTH ELIZABETH MACLEAN ..... North Wiltshire, Prince Edward Island  
 KATHERINE M. MCCARTHY ..... Blackville, New Brunswick  
 DWAIN EDWARD MCLEAN ..... Victoria, New Brunswick  
 HUGH HENDRY McLELLAN ..... Kings County, New Brunswick  
 RUDOLF ADAM MARKERT ..... Fredericton, New Brunswick

LORNA RAE MARTIN .....Port Cartier, Quebec  
 HELEN GRACE MUIR.....Apohaqui, New Brunswick  
 DONALD EARP O'DONNELL .....Baie Comeau, Quebec  
 HERBERT NOSEWORTHY PARSONS.....Channel, Newfoundland  
 HAROLD RUSSELL PETERSON .....Taymouth, New Brunswick  
 HAROLD DOUGLAS PHALEN.....Fredericton, New Brunswick  
 EDITH LORRAINE PICKETT .....Halifax, Nova Scotia  
 JACK POLUSZYNSKY.....Trois Rivieres, Quebec  
 PAUL IRVIN JAMES RATTRAY.....Prince Rupert, British Columbia  
 ROBERT CHARLES RICHARDS .....Petitcodiac, New Brunswick  
 WILLIAM DAVID ROSS .....Redbank, New Brunswick  
 JOSEPH LLOYD SLATER.....North Sydney, Nova Scotia  
 JOHN FRASER SAUNDERS.....Fredericton, New Brunswick  
 JEREMY CORIAT SCARFE.....Toronto, Ontario  
 MAYNARD ALLISON SCHRIVER ..... Hillsborough, New Brunswick  
 MURIEL BERNICE STACKHOUSE.....Saint John, New Brunswick  
 MAURICE DWIGHT STUART .....Lambertville, Deer Island, New Brunswick  
 RICHARD GRANT TAYLOR.....Toronto, Ontario  
 FAYE LILLIAN UNDERHILL.....Underhill Post Office, New Brunswick  
 JAMES WILLARD BRUCE URQUHART .....Fredericton, New Brunswick  
 MARY LORRAINE WALTER.....Fredericton, New Brunswick  
 GEORGE FRANCIS WANDLESS .....Nashwaaksis, New Brunswick  
 ROBERT LLOYD WILLIS ..... Bathurst, New Brunswick

#### BACHELOR OF SCIENCE

AUSTIN DUQUETTE.....Sault Ste. Marie, Ontario  
 DANIEL NEIL MACCALLUM.....Fredericton, New Brunswick  
 WALTER DUNNETT MACKAY.....Bathurst, New Brunswick  
 RUFUS EUGENE MCKILLOP.....Ottawa, Ontario  
 GEORGE REID PARKER.....Bathurst, New Brunswick  
 GORDON JAMES PRINGLE ..... Fredericton, New Brunswick  
 MARGARET ALICE STEEVES ..... Hillsborough, Albert Co., New Brunswick

#### BACHELOR OF SCIENCE IN ENGINEERING

ROBERT DAVID COULTHART .....Deep River, Ontario  
 GILLES ARMAND CYR ..... Shediac, New Brunswick  
 GARY ALLEN DEWITT ..... Moncton, New Brunswick  
 HERBERT BRUCE GIBSON .....Don Mills, Ontario  
 ANDREW PATERSON HARDIE.....Fredericton, New Brunswick  
 GHISLAIN RENE LAFRENIERE.....Bathurst, New Brunswick  
 FREDERICK HARLEY RITCHIE, JR. ....Moncton, New Brunswick  
 DAVID LEWIS SHORT.....Sept Iles, Quebec  
 JAMES FRANCIS THORNTON ..... Hopewell, Virginia, U.S.A.

#### BACHELOR OF SCIENCE IN FORESTRY

DAVID EDWARD GODBY .....Lac St. Jean, Quebec  
 STEPHEN ELLIOTT HOLMES.....Grand Falls, Newfoundland  
 JAMES ROBINSON REID.....Leeswater, Ontario

#### BACHELOR OF BUSINESS ADMINISTRATION

ROBERT COLERIDGE ELLIS.....Ottawa, Ontario  
 ALLAN STANLEY HAWKINS ..... Millville, New Brunswick  
 DAVID EDWARD HANKE McDONALD .....Montreal, Quebec  
 BRUCE FRASER PARKER.....Kennebecasis Park, New Brunswick  
 KENNETH RAYMOND THOMPSON ..... Saint John, New Brunswick  
 JOHN DEVEBER TREVORS ..... Chatham, New Brunswick

#### BACHELOR OF PHYSICAL EDUCATION

ROBERT JAMES HYNDMAN.....Windsor, Ontario  
 RONALD JACK JODRIE.....Andover, New Brunswick

#### BACHELOR OF TEACHING

EDWARD ELDON BREWER (Elementary) .....Hawshaw, New Brunswick  
 ROBERT WASSON BRIDGES (Elementary).....Woodstock, New Brunswick  
 DONNA THEORA CARR (Elementary) .....Nashwaaksis, New Brunswick  
 MARY MARGARET CARR (Elementary).....Boiestown, New Brunswick  
 MARGARET LOUISE CUMMING (Commercial) ..... Moncton, New Brunswick  
 SISTER MARY BERTHA FARREN (Elementary) ..... Saint John, New Brunswick  
 GEORGE EDWARD FERGUSON (Industrial) ..... Paquetville, New Brunswick  
 RALPH DONALD FRAM (Elementary) ..... Moncton, New Brunswick  
 SUSAN ESTELLE GROSWEINER (Elementary).....Saint John, New Brunswick  
 ETHEL CHRISTINE HAMILTON (Elementary) ..... Dalhousie, New Brunswick  
 ALFRED JAMES LAWRANCE (Elementary) .....Oromocto, New Brunswick  
 GERALDINE MARIE LAWRENCE (Elementary) ..... Centreville, New Brunswick  
 FAITH ELIZABETH LIVINGSTON (Elementary).....Saint John, New Brunswick  
 IRENE ALICE MCLEOD (Elementary) ..... Moncton, New Brunswick  
 WILLIAM EDWARD MACLEOD (Elementary) ..... Oak Bay, New Brunswick  
 LAURIE HAROLD MILLS (Elementary) .....Saint John, New Brunswick  
 LIESELOTTE ANNE O'HARA (Elementary) ..... Fredericton, New Brunswick  
 MARGARET CYNTHIA PERKINS (Elementary).....Fredericton, New Brunswick  
 ISABEL ELIZABETH RICHARDSON (Commercial).....Westville, Nova Scotia  
 SISTER PATRICIA FRANCES RILEY (Elementary).....Fredericton, New Brunswick  
 MARY ELIZABETH OLIVER RYAN (Elementary).....Fredericton, New Brunswick  
 VELLA ROSE SCOTT (Commercial) .....Glassville, New Brunswick  
 SISTER MARY FRANCES TRAYNOR (Elementary).....Saint John, New Brunswick  
 ROBERT ALLAN WHITE (Elementary) ..... Bristol, New Brunswick

## ACADEMIC DRESS

### GOWNS

Undergraduates—Plain black stuff material, sleeveless.

Bachelors—Black stuff falling below knee, with full sleeve reaching to the wrist and terminating in a point.

Masters—Black silk or stuff gown, falling below knee, with long sleeves with semi-circular cut bottom.

Doctors—A scarlet cloth robe, faced with silk of the same colour as the lining of the hood worn.

### HOODS

Each degree has its distinctive hood as follows:

B.A. — Black stuff bordered with white fur.

B.Sc. — (Arts) black stuff lined with scarlet silk bordered with white fur.

B.Sc. — (Applied) black stuff lined with green silk bordered with white fur.

B.C.L. — Pale blue silk bordered with white fur.

B.B.A. — Black stuff lined with light brown silk bordered with white fur.

B.T. — Black stuff with royal blue silk bordered with white fur.

B.P.E. — Black stuff lined with claret silk bordered with white fur.

B.N. — Black stuff lined with salmon pink silk bordered with white fur.

B.Ed. — Black stuff lined with grey silk bordered with white fur.

M.A. — Black silk lined with crimson silk.

M.Sc. — (Arts) black silk lined with white silk bordered with scarlet.

M.Sc. — (Applied) black silk lined with white silk bordered with green.

M.Ed. — Black silk lined with blue grey silk bordered with crimson.

Ph.D. — Scarlet cloth with dark blue silk lining.

LL.D. — Scarlet cloth with pale pink silk lining.

D.Sc. — Scarlet cloth with white corded silk lining.

D.C.L. — Scarlet cloth with pale blue silk lining.

D.Litt. — Scarlet cloth with grey silk lining.