



One Hundred and Thirty-Fourth Incaenia

Thursday, 16th May

1963

Lady Beaverbrook Rink

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 Encaenia, following the singing of the National Anthem, to remain until the Academic Procession has left.

Music for the One Hundred and Thirty-Fourth Encaenia is by the Central Band of the RCAF under the direction of Flying Officer Wildred Boyce, C.D., L.R.A.M., A.R.C.M.

Graduates, guests and the public are cordially invited to attend the Encaenia Tea on the Terrace in front of the Old Arts Building. In the event of inclement weather, the tea will be held in McConnell Hall.

ORDER OF PROCEEDINGS

Introductory Music

By the Central Band of the RCAF

Processional March

Tannhauser *Wagner*
Chair taken by THE HONOURABLE J. LEONARD O'BRIEN, LL.D.,
D.C.L., Lieutenant-Governor of New Brunswick and Visitor to the
University on behalf of HER MAJESTY, THE QUEEN.

INVOCATION

By the REVEREND HAROLD L. MITTON, B.A., B.D.
Minister, Brunswick Street United Baptist Church

ADDRESS OF THE PRESIDENT AND VICE- CHANCELLOR

COLIN B. MACKAY, 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.*

Doctor of Civil Law

HENRY DAVIES HICKS

Doctor of Science

WILDER GRAVES PENFIELD

Doctor of Letters

DAVID THOMPSON WATSON MCCORD

Doctor of Laws

LYLE MORRISON CREELMAN

HAROLD WILLIS DODDS

JAMES WILLIAM FULBRIGHT

ENCAENIAL ADDRESS

DR. JAMES WILLIAM FULBRIGHT

PRESENTATION OF PRIZES AND MEDALS

By the President and Vice-Chancellor

CONFERRING OF BACHELORS' DEGREES IN COURSE

Candidates will be presented by the University Orator.

CONFERRING OF MASTERS' DEGREES IN COURSE

Candidates will be presented by FRANCIS J. TOOLE, B.Sc., M.Sc.,
*Ph.D., Vice-President Academic, Professor of Chemistry, Head of
the Department, and Acting Dean of Graduate Studies.*

CONFERRING OF DEGREE OF DOCTOR OF PHILOSOPHY IN COURSE

Candidates will be presented by the Acting Dean of Graduate
Studies.

GOD SAVE THE QUEEN

RECESSIONAL MARCH

Graduation March *Ralph Hermann*

Conferring of Honorary Degrees

Candidates Presented By the University Orator

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

HENRY DAVIES HICKS to be Doctor of Civil Laws

The President-elect of Dalhousie University is a well-rounded personality. Bisecting what in geometry jargon would be his "given" and in mine his "God-given" circumference, I shall treat first what in both might be defined as his professional arc.

A Bluenose, he comes of pre-Loyalist Quaker stock. Precocious young scholar, he went through Bridgetown Public School to Mount Allison University, taking 1st class Honours in Chemistry; to Dalhousie for a B.Sc., and to Oxford for Law and an M.A. The war intervened and he saw service in six countries. On his discharge he started a practice, while representing Annapolis County in the Provincial legislation. The flood of the political tide raised him to Premier, the ebb dropped him to Leader of the Opposition. In 1960 he became Dean of Arts and Science at Dalhousie and in 1961 Vice-President.

Coincident in time but more kaleidoscopic is his domestic arc. At Mount Allison he was bemedalled quarter-miler. At Oxford he played hockey, took up mountaineering and, as wartime and only Canadian President of the Boat Club, coxed the Oxford crew to victory. And Oxford doubtless deepened his love of rare books.

There now enters the picture his wife, a charming fellow Nova Scotian. Spouse, mother, and angel, she has had, in one husband, to humour a stamp collector, who tactlessly put the price of a fur coat into a block of four Bermuda shilling; a naturalist who bred prize fish beneath the kitchen counter; whose hair she has had to cut and whose clothes — except on formal occasions, like these — she has had to tolerate; who, though at one phase sweetening her with honey from bees in his hives and not, as might be expected, in his bonnet, and coaxing her at another with salmon caught on rods of his own making, takes snuff — because, forsooth from a royal snuff-box, and insists on snails for Christmas dinner; who has with exquisite craftsmanship panelled three rooms in their home, but whose secret *amour* is two autographed first editions of Oscar Wilde.

Lucky those students who catch the spirit and possess a tithe of the vitality of their Protean President! They should prove challenging competitors and exciting Canadians.

WILDER GRAVES PENFIELD to be Doctor of Science

On this platform are three whose individual genius will grace the Centenary of our Associated Alumni. One is a Princetonian, one a Rhodes Scholar, and the third, who stands before you, is both.

We do not presume, in Wilder Penfield, to honour the world-famous neurologist. The Medical profession has long since crowned its second Hippocrates with laurels not ours to bestow.

We reserve our admiration for the Penfield who, like a beacon on the headland of Science, sheds on all around the glow of the Humanities — especially on doctors; who has an abiding interest in people, little or great; who advocates foreign languages for the very young and a second career for those who are too old to work but, like himself are capable of embarking on several with zest; who sagely surveys the world of education, searching for a climate ideal for its Canadian flowering.

The broad sweep of his vision has rested on the twin peaks of Greece and the Renaissance. What common climate was it, he asks, that nurtured, amid a profusion of their kind, a Phidias and a Michelangelo, a Thales and a Galileo, an Aristotle and a Leonardo? He finds it in those independent city states, be it Florence or Athens, Miletus or Milan, with their sharp artistic rivalries and that sovereign elixir compounded of freedom of spirit, training for excellence, and leisure for creation.

Can such a climate be for Canada? Years ago Penfield decried in other countries those extremes in education—centralized control and passive parochialism. To him came the idea that our "sprawling Provinces", as he calls them, should be our city states, to guide and to support our teaching; that the Federal government, supplementing the Medicis and Sforzas of our day, should endow research; and that both should combine to foster general learning by capitalized grants for libraries and laboratories, travel, conventions and fellowships.

He must rejoice at the steady realization of his vision. The Provinces guard (with an Hellenic or a Mediaeval jealousy) their control of education. Two great Councils sagaciously infuse life-blood into the arteries of Science and the Humanities; and the newly elected Prime Minister has announced his master plan for national scholarships.

Penfield's climate is in the making. It is for Canadian youth to justify the vision, as it is for this University to enrol the person, of this distinguished prophet.

DAVID THOMPSON WATSON McCORD to be Doctor of Letters

Journeying hither thirty-two years ago from Boston, David McCord called on the author of *Red Fox*, who had so inspired his Oregon boyhood. The great Sir Charles was absent, but the visitor fell in love with his city and his Alma Mater. In 1959 McCord returned to deliver at Founders Day the distilled wisdom of a lifetime. Improving on Samuel Butler who thought Oxford and Cambridge strangely lacking a Chair of Wit, he declared that all modern universities need a Chair of Man-in-his-Environment. And inasmuch as Forestry is more concerned with people than with trees, he suggested that our own celebrated School should supply all the professors.

The elusive McCord knows us better than we know him. He is not a hand to be shaken, a back to be slapped, but an essence to be savoured. Its fragrance may linger after a conversation or a lecture, but it is his writings that embody the full rich quintessence. In them there blooms reincarnated all that is both hardy and perennial in a Lear and a Carroll, a Thoreau and an Emerson, a Houseman, a Kipling and an Ogden Nash. And, transcending them all, there is McCord.

But these be things of the spirit, unsubstantial—and you cannot, Mr. President, hood and cap an emanation!

And so I have quested for what this materialistic age terms 'solid achievements'. And I have found two, utterly appropriate to this Encaenia.

Our Alumni Secretary might reflect on the fund-raising genius of his Harvard counterpart, whose flawless essay on the migration of alewives brought in cheques totalling \$37,000.

The other is McCord Hall, newest and smallest edifice on our Campus. At present it is neither a "Hall" nor is McCord in it. But, like a gothic church dwarfed by sky-scrapers, it abides, a haven for the soul. There is a scholastic aura about its tie-beams, pine shingles and grey freestone walls. Installed are the polished refectory table, the jet black chairs with the cherry wood arms. It needs but a fine etching or two on the walls, some Colonial plate on the side-board and a Jacobean decanter in the cupboard, to quicken the genius and irradiate the symposia of a future Master and his Fellows.

Mr. President, Members of the Senate, I ask you to give earnest consideration to the founding of a Chair of Wit in this University. You should have no difficulty in selecting its first incumbent.

LYLE MORRISON CREELMAN
to be Doctor of Laws

The School of Nursing can be proud that this, its first graduating class, will be receiving their degrees in the presence of so admirable a member of their profession. Let these young women mark well the career of Lyle Creelman.

She was born on a Nova Scotia farm, went to the local school, and by three years teaching financed her first Nursing degree. A post-graduate fellowship equipped her to specialize in her chosen field, the Supervision and Administration of Public Health. Today she is in her fifteenth year with the World Health Organization and in her tenth as Head of its Nursing Services.

What are the qualities that fit her for this terrifyingly responsible position?

First comes abundant good health. This (will our young nurses please note!) she maintains by walking, cycling and—her headquarters being Geneva—report goes, by mountaineering. An automobile is not mentioned in the close printed listing of her career.

Second comes the sharp, incisive mind — she can make decisions, quickly weighing both sides of a problem with sound judgment.

She has, thirdly, an inquisitive spirit and a retentive memory for names, faces and factual data. To supplement this remarkable organ she has made herself into an expert photographer.

But God has blessed his servant with a greater blessing — the love of people, without which her other gifts would avail nothing.

Such as she are the human instruments wherewith a Fulbright would shape the purpose of his country's foreign policy; which is, in the noble Senator's own words, "the very gradual improvement of human life on earth" — with no "consuming Messianism".

There is nothing Messianic about Lyle Creelman. But she is a leader in an organization which is struggling to fulfil that most urgent of all injunctions: "Heal the sick, cleanse the lepers, raise the dead, cast out devils."

May she, from this day forth, lack not for Canadian followers!

HAROLD WILLIS DODDS
to be Doctor of Laws

It is a red-letter Encaenia when all the recipients of our Honorary Degrees have an interest rooted, deep or broad, in Education.

Of the six whom we honour this afternoon Harold Dodds is the acknowledged expert in Academia. His special field is at the highest level: University Presidents, and what makes these harrassed Olympians tick. Dr. Dodds should know, firstly because he has been one. During the twenty-four years when he directed the destinies of one of the great American universities the number of full and associate professors rose from 139 to 224, the graduates under tuition from 180 to 640 — but the undergraduate body from 2,307 to a mere and deliberate 2,924.

Significant figures these, from a provident stewardship. Our own enrolment is close enough for salutary comparison.

But he has since his retirement made a searching study of his own office and has published his findings in a sane and lucid book "The University President — Educator or Caretaker?" Those who run may read it in our Library. For present ears I can distil its essence into two pregnan clauses: that by Operation Bootstrap not 10% nor 20% but 50% of the presidential time must come ultimately to be devoted to education; and that by some diplomacy, divine or, at least, of a higher order than is current in Foreign Affairs, the President must win the co-operation of his Faculty, who are prone to consider themselves not as employees but as self-employed professionals.

At 10 o'clock on Saturday Dr. Dodds will conduct a controlled experiment of profound importance to his researches. He will be moderator of a panel composed of specimens not only of the genus *Universitatis Praeses* but also of the local Canadian species *Novus Brunsvicensis*. The combined span of these four dedicated men is almost that of Dr. Dodds' at Princeton, and each in his tenure has given of his mind, his soul and, as the Moderator will assume, his digestion, to the thorny diet of guiding this ancient and (with no political overtones) this most progressive-conservative of Canadian universities.

The event is developing all the symptoms of an academic *accouchement*. And expectancy is mounting over the *issue* — whether from this multiple mother the Moderator as midwife will deliver a single unequivocal verdict or quadruplets, or finding himself in labour, and in Canada, he may assert his independent maternity — and make it Quints!

JAMES WILLIAM FULBRIGHT
to be Doctor of Laws

Senates are by derivation bodies old in wisdom. Their members are not, of course, implicitly either senile or Solomons. But in the inevitable comparison of the Senates of two great Republics—the Roman Senate with the Senate of the United States — history will record that collective experience was never translated into such practical wisdom as under the informed and courageous leadership of a Cicero or a Fulbright.

It may further record that both these statesmen had been up-country lads, who knew by a divine instinct the meaning and the

power of education; who absorbed it to the full, and in their public life never ceased exemplifying it. Where the Senator from Arpinum was at home in the literature of Greece and his own country, the Senator from Arkansas has never considered sly doses of Plutarch, Lewis Carroll, Erasmus, and de Tocqueville unpalatable medicine for his Conscript Fathers or less august audiences. Most articulate when their nations' good was at stake, both made their appeal by the spoken word. If Fulbright with his more economical eloquence does not command the golden gush of Tully's prose, he has refrained from two extravagances of which the vainer Roman was incurably guilty—self advertisement and writing poetry!

With Fulbright vision has always illumined the path of action, generally preceding the visions and actions of others. While still a Congressman, and on his own initiative, he introduced the five-line resolution looking beyond World War II and placing Congress on record as favouring his country's membership in a World Organization.

Two years before the creation of NATO, and three months before General Marshall broached his historic Plan, Fulbright had envisioned the Common Market and the federation of Europe.

By a quirk of fate Fulbright is universally known less for the moderating influence he and his Committee exert on his country's foreign policy than for the scholarships that bear his name but are not, as many assume, financed out of his private purse.

To sum up this inadequate citation, I shall borrow two statements which might serve as his monument. The first was spoken by the Master of Pembroke College, Oxford, to the one-time Rhodes Scholar, his former pupil: "Fulbright, you are responsible for the largest and most significant movement of scholars across the face of the earth since the fall of Constantinople". The second is Walter Lippman's: "The role he plays in Washington is an indispensable role. There is no one else who is so powerful and also so wise, and if there were any question of removing him from public life, it would be a national calamity".

I shall add only that the calamity would be international.

PRIZE LIST

1963

Alumni Gold Medal

SYLVIA ELIZABETH LOGIE, Toronto, Ontario.

Douglas Gold Medal

ELLEN JOANNE ROWLEY, Saint John, New Brunswick

Canadian Institute of Forestry Gold Medal—outstanding scholar in fifth year Forestry

DONALD MACKAY LEVY, Fredericton, New Brunswick.

City of Fredericton Gold Medal—most promising student in Forestry

LEONARD HELMER SUOMU, Copper Cliff, Ontario.

Governor General's Gold Medal—outstanding student in Graduating Class

ELLEN JOANNE ROWLEY, Saint John, New Brunswick

Ketchum Silver Medal—best student in final year Civil Engineering

DALE IRVING BRAY, Moncton, New Brunswick

Lieutenant-Governor's Silver Medal—highest standing in final year Arts—

SUSAN JANE DODDRIDGE, Peterborough, Ontario.

Science—

ELIZABETH ANN MCMANUS, Fredericton, New Brunswick.

Engineering—

RONALD DOUGLAS WEIR, Saint John, New Brunswick.

Forestry—

LEONARD HELMER SUOMU, Copper Cliff, Ontario.

Law—

GEORGE DAVID NAPIER COVERT, Halifax, Nova Scotia.

Business Administration Club Medal—for the outstanding Business student

NORMAN BARRY SAVAGE, Kingston, Ontario.

Canada Permanent Toronto General Trust Company Prize in Trusts

GEORGE DAVID NAPIER COVERT, Halifax, Nova Scotia.

Canadian Construction Association Prize—best Engineering Report

ARMOUR MAYES MCCREA, Salisbury, New Brunswick.

Society of Chemical Industry Merit Award

HEATHER JEAN DOLPHIN, Hudson, Quebec.

Encyclopaedia Britannica of Canada Prizes—Science and Engineering students with highest standing in liberal arts subjects

Science—

HEATHER JEAN DOLPHIN, Hudson, Quebec.

Engineering—

GUY TERRANCE COTTER, Milltown, New Brunswick.

Norman S. Fraser Prizes

(1) Highest standing in the third and fourth years of Honours Arts

SUSAN JANE DODDRIDGE, Peterborough, Ontario

- (2) Highest standing in the third and fourth years of honours Science
ELIZABETH ANN McMANUS, Fredericton, New Brunswick.
- French Government Medal for Proficiency in French Studies*
SUSAN JANE DODDRIDGE, Peterborough, Ontario.
- Hebrew Scholarship of Fredericton*—highest standing in Education
EDWARD ALBERT RAMSAY, Newcastle, New Brunswick.
- I.O.D.E. Prize*—for highest standing in British and British Empire and Commonwealth Studies
LEWIS HENRY MORGAN, Fredericton, New Brunswick.
- Brydson Jack Scholarship*—highest standing in fifth year Electrical Engineering
GUY TERRANCE COTTER, Milltown, New Brunswick.
- Law Faculty Prize*—highest standing in third year Law
GEORGE DAVID NAPIER COVERT, Halifax, Nova Scotia.
- Canada Law Book Prize*—second highest standing in third year Law
GORDON FREDERICK GREGORY, Saint John, New Brunswick.
- New Brunswick Command Canadian Legion Prizes*—highest standing in final two years of Physical Education
ELIZABETH ANNE DOUGLASS, St. Andrews, New Brunswick.
MICHAEL HUGH NOBLE, Halifax, Nova Scotia.
- Osmose Wood Preserving Prize*
RAYMOND WILLIAM TULISALO, Copper Cliff, Ontario.
- Charles G. D. Roberts Prize in History*
ROBERT DAVID TODD, Brockville, Ontario.
- Simonds Prize in History*
ELLEN JOANNE ROWLEY, Saint John, New Brunswick.
- John Stephens Memorial Prize*—highest standing in fifth year Mechanical Engineering
FRANCIS DAVID PARSONS, St. John's, Newfoundland.

CONFERRING OF BACHELORS' DEGREES IN COURSE

Candidates Presented by The University Orator

BACHELOR OF NURSING

MARGARET ALEDA CALDWELL	Grand Falls, New Brunswick
SANDRA LILLIAN ALMA POND DABBS	Fredericton, New Brunswick
CATHERINE MAY DUFFY	Arvida, Quebec
NANCY PATRICIA ELLIS	Everett, Washington, U.S.A.
EVA NANCY FAIRWEATHER	Fredericton, New Brunswick
MARY LOUISE MCGIBBON	Fredericton, New Brunswick
PENELOPE ELIZABETH MURPHY	Moncton, New Brunswick
ELMA ISABEL SPEAR	Moncton, New Brunswick
LYDIE LOUISE STEEVES	Fredericton, New Brunswick
MANETTA PEARL STRONG	Gander, Newfoundland
MARY LOUISE TRITES	Fredericton, New Brunswick
VALERIE JOANNE URQUHART	Burt's Corner, New Brunswick

BACHELOR OF TEACHING (INDUSTRIAL)

FRANK LESLIE BOULTER	Fredericton, New Brunswick
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BACHELOR OF PHYSICAL EDUCATION

MARILYN DORIS BAILEY	Shelburne, Nova Scotia
MYRNA JOYCE BARKHOUSE	River Hebert, Nova Scotia
SHARON ELIZABETH BICKLE	Bridgewater, Nova Scotia
ELIZABETH EATON CAMPBELL	Springhill, Nova Scotia
MARY JANET CAMPBELL	Fredericton, New Brunswick
DOUGLAS BOOTH COTTRELL	Trenton, Ontario
MARGARET LOUISE DONOVAN	Canterbury, New Brunswick
ELIZABETH ANNE DOUGLASS	St. Andrews, New Brunswick
JUDITH CHARLENE DUNCAN	Dalhousie, New Brunswick
HERBERT ROYCE GRAHAM	Saint John, New Brunswick
KENNETH JOHN HARVEY	Sault Ste. Marie, Ontario
JUDITH MARGARET HENDERSON	Brookfield, Nova Scotia
DIANE SHIRLEY JOHNSTONE	Trail, British Columbia
KATHERINE NINA LACAS	Halifax, Nova Scotia
CLARENCE LLOYD LAING	Aylesford, Nova Scotia
JOSEPH LEROY MCGINN	Fredericton, New Brunswick
PATRICIA ANN MCKENZIE	Fredericton, New Brunswick
RALPH HECTOR MACLEAN	Boulardarie, Nova Scotia
MELANIE CECIL MARSH	Knowlton, Quebec
ROBERT EARL MILLER	Moncton, New Brunswick
MICHAEL HUGH NOBLE	Halifax, Nova Scotia
MICHAEL FRANCIS PELHAM	Herring Cove, Nova Scotia
SANDRA MARIE POMEROY	St. Stephen, New Brunswick
JOHN RAYMOND PROCTOR	Espanola, Ontario
PETER AULDEN RANKIN	Pictou, Nova Scotia
ROBERT CHARLES RICHARDS	Sussex, New Brunswick
JAMES FREDERICK SCHUDDEBOOM	Lachine, Quebec
HERBERT LESLIE THOMPSON	Minto, New Brunswick
ELIZABETH VERMEULEN	Kentville, Nova Scotia
DONALD GEORGE WELLS	Corner Brook, Newfoundland
CAROL LYNN WISENER	Pictou, Nova Scotia

BACHELOR OF BUSINESS ADMINISTRATION

RONALD ARTHUR ADLAM	Fredericton, New Brunswick
BERNARD LEE BAIG	Moncton, New Brunswick
RICHARD HERBERT BARNUM	Chippawa, Ontario
MARVEN CHARLES BLOCK	Charlottetown, Prince Edward Island

VICTOR JOSEPH BRAY	Moncton, New Brunswick
DEREK RAYMOND CARON	Westmount, Quebec
WILLIAM ROSS DARLING	Brockville, Ontario
EDWARD ALEXANDER DOANE	Nashwaaksis, New Brunswick
FOSTER ARCHIBALD HOWE	Fredericton, New Brunswick
GEORGE HERBERT KITCHEN	Fredericton, New Brunswick
JOHN ERNEST LEAN	Fredericton, New Brunswick
MICHAEL ROSS McMASTER	Montreal, Quebec
RICHARD DENHAM MILES	Rothsay, New Brunswick
DAVID COLEMAN NICHOLSON	St. Stephen, New Brunswick
ALLAN CHARLES PARSLAW	North Bay, Ontario
DARYL EDWIN PRINCE	Fredericton, New Brunswick
PETER JOSEPH ROBERTSON	River Bourgeois, Nova Scotia
NORMAN BARRY SAVAGE	Kingston, Ontario
RICHARD JOHN TURNBULL SCOTT	Sault Ste. Marie, Ontario
BRUCE CHARLES STUART	Fredericton, New Brunswick
DOUGLAS RALPH WARD	Oromocto, New Brunswick
STUART HARTLEY YAKE	Willowdale, Ontario

BACHELOR OF SCIENCE IN FORESTRY

MAURICE KENNETH BARTEAUX	Annapolis Royal, Nova Scotia
ALEXANDER BARTHOLOMEW	Brantford, Ontario
GORDON EDWARD EARL BEANLANDS	Armdale, Nova Scotia
GARNET ALBERT BROWN	Jamaica, West Indies
JOHN JOSEPH CHURCH	North Bay, Ontario
TERRY ALEXANDER DICK	Pembroke, Ontario
THOMAS RICHARD DUQUETTE	Sault Ste. Marie, Ontario
GORDON STANLEY FRANKLIN	Dryden, Ontario
RAYMOND LEEMAN GUIGNON	Rose Bridge, Quebec
ROBERT MAURICE HALLETT	Westmount, Quebec
WILKO ERNST GEORG HAUFFE	Taymouth, New Brunswick
GEORGE EDGAR KITCHEN	Grand Falls, Newfoundland
DONALD MacKAY LEVY	Fredericton, New Brunswick
DAVID MERLE MacFARLANE	Nashwaak Bridge, New Brunswick
THOMAS WILSON McLELAN	Oxford, Nova Scotia
PETER MATROSOVS	Brantford, Ontario
CLIFFORD HARVEY MOULDER	North Bay, Ontario
BAL SIEU RAMDIAL	Trinidad, West Indies
ALBERT CARL SCHMIDT	Wallaceburg, Ontario
JOHN PAUL SENYK	Port Arthur, Ontario
WILLIAM CLARENCE SINCLAIR	Rolphon, Ontario
MALCOLM FRANCIS SQUIRES	Millertown, Newfoundland
LEONARD HELMER SUOMU	Copper Cliff, Ontario
RAYMOND WILLIAM TULISALO	Copper Cliff, Ontario
KLAUS RICHARD ERNST VOGEL	Germany
MURRAY GORDON WALSH	Fredericton, New Brunswick

BACHELOR OF SCIENCE IN SURVEYING ENGINEERING

LAURIER BOSSE	Edmundston, New Brunswick
WILLIAM ROLAND DABBS	Castor, Alberta
JEAN ROLAND RAYMOND GAUTHIER	Hull, Quebec
WALTER MELVIN NASON	Fredericton Junction, New Brunswick
STEPHEN DONALD SHAFFER	Ottawa, Ontario
EDWARD HERBERT SMITH	Fredericton Junction, New Brunswick

BACHELOR OF SCIENCE IN CHEMICAL ENGINEERING

ARTHUR DEVERE FITZGERALD	Middleton, Nova Scotia
WILFRED JAMES KIMBALL	Fredericton, New Brunswick
LAURENT HECTOR LAVIOLETTE	Charlo Station, New Brunswick

CLAIR KENNETH OLIVER	Alberton, Prince Edward Island
WILLIAM ROBERT PORTER	Grand Falls, Newfoundland
ROBERT WALTER SMYTHE	Saint John, New Brunswick
RONALD DOUGLAS WEIR	Saint John, New Brunswick

BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING

CECIL KENNETH BAKER	Nashwaaksis, New Brunswick
ROBERT JOSEPH BOURDAGE	Dalhousie, New Brunswick
VICTOR CHIU HON CHU	Montreal, Quebec
DAVID LORNE CLEMENTS	Newcastle, New Brunswick
PETER COWAN ELLIS	Montreal, Quebec
ALAN FREDERICK FOWLER	Mount Royal, Quebec
DONALD BAXTER HENDERSON	Westmount, Quebec
OLOF JEROME LEMON	Stanstead, Quebec
GEORGES ALFRED LEVESQUE	St. Joseph, New Brunswick
GEORGE RODERICK McDONALD	Westmount, Quebec
LAURENCE WESLEY MILLEY	Saint John, New Brunswick
HUGH HUNTER MOORE	Halifax, Nova Scotia
CHARLES LEROY MUNROE	Charlottetown, Prince Edward Island
FRANCIS DAVID PARSONS	St. John's, Newfoundland
JAMES WILLIAM PLUMMER	Thorold, Ontario
SIMCHA RONEN	Ramat-Gan, Israel
GEORGE EDWARD SHAW	Riverbend, Quebec
MAXWELL JOSEPH STEEVES	Moncton, New Brunswick
CECIL JAMES STEIN	Grand Falls, Newfoundland
GORDON EDWARD TRIPP	Edmundston, New Brunswick
ALEXANDER MARK VORVIS	Whitby, Ontario
JOHN REID WALLACE	Moncton, New Brunswick
ANTON FRIEDRICH VAN DER WEY	Den Haag, Holland

BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

JOHN HARVEY LESTER ADDIE	River Glade, New Brunswick
CAMILLE NORMAND ALBERT	St. Francois de Madawaska, New Brunswick
WAYNE ALBERT BOARDMAN	Saint John, New Brunswick
GUY TERRANCE COTTER	Milltown, New Brunswick
JULIUS NORMAN DALZELL	Grand Manan, New Brunswick
JOHN ARMSTRONG DIXON	Fredericton, New Brunswick
EDWARD CALVIN FUDGE	Moncton, New Brunswick
DAVID MICHAEL FURLONG	Curling, Newfoundland
ROBERT STEPHEN GRANT	Fredericton, New Brunswick
DAVID BALDWIN HAWKES	Nashwaaksis, New Brunswick
CLIFFORD HASTINGS LAURENCE	Trois-Rivieres, Quebec
PAUL ALBANY LEGER	Lewisville, New Brunswick
STUART WESTON LIBBEY	Fredericton, New Brunswick
ANGUS KIRKE MacMILLAN	Quebec, Quebec
JOHN ERNEST ROPER	Charlottetown, Prince Edward Island
RUPERT MARTIN STOCKER	Fredericton, New Brunswick

BACHELOR OF SCIENCE IN CIVIL ENGINEERING

ROLAND JULIEN ALBERT	Caraquet, New Brunswick
JAMES RAMIER ALLEN	New Carlisle, Quebec
CHARLES WILLIAM BAXTER	Saint John, New Brunswick
FREDERICK JAMES BEIRSTO	Fredericton, New Brunswick
J. FRANCOIS THEOPHILE BLANCHARD	Allardville, New Brunswick
DALE IRVING BRAY	Moncton, New Brunswick
KENNETH TERKILD BRODERSEN	Saint John, New Brunswick
ROBERT MAW BROLEY	Ottawa, Ontario
DAVID HUGH BURSTOW	Ottawa, Ontario
WILFRED PETER GEORGE CALE	Moncton, New Brunswick

GARTH THOMAS CALKIN	Kentville, Nova Scotia
JOHN WILLIAM MORGAN CAMPBELL	Arvida, Quebec
DARYL PURDY DEMERCHANT	Tobique River, New Brunswick
ALAN REID FERGUSON	Aurora, Ontario
ALVIN LOWELL GAUNCE	Chipman, New Brunswick
JOHN LOUIS GODDARD	Anagance, New Brunswick
ERNEST GARY BRADLEY GRAHAM	Three Rivers, Quebec
MYRON HORN	Toronto, Ontario
HENRIK ALEXANDER JANSON	Montreal, Quebec
KELLY KIN-CHUG KWONG	Hong Kong
YVON GUY LEBLANC	Robichaud Office, New Brunswick
RAYMOND HUNTER LINDSAY	Quebec, Quebec
GLENDON DAVID MCCAUGHAN	Saint John, New Brunswick
ARMOUR MAYES MCCREA	Salisbury, New Brunswick
JOEL BURTON MERCER	Renforth, New Brunswick
ELVERT DALE MILTON	Hillsboro, New Brunswick
PAUL CARMEL NADEAU	Baker Lake, New Brunswick
JAMES DAVID O'BLENIS	Halifax, Nova Scotia
RAYMOND JOSIAH GEORGE PAFFORD	Corner Brook, Newfoundland
CHARLES PANCIUK	South Mountain, Ontario
MARCEL YVES PAPILLON	Cap Sante, Quebec
FRANK CLARENCE ROBINSON	Sussex, New Brunswick
JAMES DALE DAVID SHARPE	Tide Head, New Brunswick
ALLEN LEE STEEVES	Moncton, New Brunswick
JOSEPH SZAMMER	Fredericton, New Brunswick
FRANCIS SHUI SHING TAM	Hong Kong
BOYD ARTHUR TOUCHIE	Moncton, New Brunswick
GARY DAVID WHEELER	Riverview, New Brunswick
DAVID JOHN WILSON	Fredericton, New Brunswick
SPENCER CHING-KUEN WONG	Hong Kong
DAVID LUM YEE	Montreal, Quebec
HAROLD HUNG KONG YUNG	Hong Kong

BACHELOR OF SCIENCE IN ARTS

VICTOR ERROL BELL	Montague, Prince Edward Island
HAROLD WARREN BOMEN	Granby, Quebec
SHERWIN RAY BROWN	Grand Manan, New Brunswick
FRANKLIN EDGAR CREIGHTON	Fredericton, New Brunswick
HEATHER JEAN DOLPHIN	Hudson Heights, Quebec
GALEN LEROY GREER	Plaster Rock, New Brunswick
MICHAEL BRUCE JOHNSON	Fredericton, New Brunswick
JAMES DONALD JOHNSTON	Moncton, New Brunswick
ALI KHAN	Trinidad, West Indies
ALBERTUS ANTONIUS MARINUS KONINGS	Fairvale, New Brunswick
PAUL FRANCIS LEAHY	Sault Ste. Marie, Ontario
DAVID ALEXANDER MACKENZIE	Montreal, Quebec
ELIZABETH ANN MCMAHUS	Fredericton, New Brunswick
JOAN MABEL PERLEY	Newcastle, New Brunswick
JOHN WALTER TEDFORD	Montreal, Quebec
MARILYN FRANCES WRIGHT	Fredericton, New Brunswick

BACHELOR OF ARTS

IRVINE WAYNE ANDERSON	Fredericton, New Brunswick
BRUCE FREDERICK BARTEAUX	Kentville, Nova Scotia
EDWARD BELL	McAdam, New Brunswick
DOROTHY JEAN BOYLE	Quebec, Quebec
HARRY HOLSTEAD BRITTAIN	Lancaster, New Brunswick
GLEN BRODIE	Glace Bay, Nova Scotia
DAVID PATRICK FARREN CHASE	Saint John, New Brunswick
JEAN ENGEL CHEN	Jamaica, West Indies

LENA CHEUK KWAN CHEUNG	Hong Kong
MERLYN FREDERICK CLARK	Nashwaaksis, New Brunswick
MARGARET JEAN CLOGG	Moncton, New Brunswick
SANFORD COHEN	Sydney, Nova Scotia
THOMAS CONWAY	Lancaster, New Brunswick
ANDRE EMILE COTE	Montreal, Quebec
JOCK ELTON COULSON	Ste. Marguerite Station, Quebec
DOUGLAS MARILYN CRUMMEY	Ottawa, Ontario
EMILY ANNE DAVIS	Pointe Claire, Quebec
RHEESE LLOYD DICKIE	Lancaster, New Brunswick
SUSAN JANE DODDRIDGE	Peterborough, Ontario
RALPH MICHAEL EAGAN	Milltown, New Brunswick
FERNE HAZEL FEARON	Bass River, New Brunswick
MARY KATHRYN FITZRANDOLPH	Fredericton, New Brunswick
JOHN ERNEST FRY	Weston, Ontario
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KATHERINE GEORGINA GARDNER	South Porcupine, Ontario
VIVIANE MARIE GIROUX	Charlo Station, New Brunswick
DAVID ERNEST GIVAN	Fredericton, New Brunswick
HERBERT DOUGLAS HAGERMAN	Mount Royal, Quebec
DONALD DOULAS HAIG	Dunville, Ontario
RITA MURIEL HANSON	Lancaster, New Brunswick
GERALD HANSON HAWKES	Coal Creek, New Brunswick
HUGH BENTON HENDERSON	Fredericton, New Brunswick
MILFORD JEROME HENDERSON	Fairhaven, New Brunswick
NORMA RHETA HIGGINS	Saint John, New Brunswick
HOPE CECILIA HYSLOP	Calgary, Alberta
DAVID ARMSTRONG INCH	Fredericton, New Brunswick
JOHN WILLIAM KEANE	Flin Flon, Manitoba
PAMELA JANE KEIRSTEAD	Toronto, Ontario
TERRENCE MICHAEL FLIEGER KILBRIDE	Fredericton, New Brunswick
NANCY PEARL KILBURN	Fredericton, New Brunswick
CLARENCE HARLEY LAY	Ottawa, Ontario
LAWRENCE LEWIS	Toronto, Ontario
SYLVIA ELIZABETH LOGIE	Toronto, Ontario
GERALD MANFORD MCCONAGHY	Doaktown, New Brunswick
RICHARD BRUCE MCCORMACK	Fredericton, New Brunswick
GEORGE WILLIAM MCCULLAGH	Toronto, Ontario
BETTY JEAN MCGUIRE	Fredericton, New Brunswick
WILLIAM JOHN MCINTOSH	Saint John, New Brunswick
RALPH WILLIAM MACKAY	Moncton, New Brunswick
HAROLD DOUGLAS MCKINLEY	Lindsay, Ontario
EUGENE WALLACE JUDSON MCLEAN	Young's Cove Road, New Brunswick
PAUL EMALE ARTHUR MARCOUX	Montreal, Quebec
HUGH ALEXANDER MARQUIS	Moncton, New Brunswick
JANET AILEEN MAYBEE	Truro, Nova Scotia
ROY GRANT MOFFATT	Fredericton, New Brunswick
BARBARA GAIL MONTEITH	Lancaster, New Brunswick
WILLIAM DARRELL MOORE	Marysville, New Brunswick
FRANK MILTON MOREHOUSE	Zealand, New Brunswick
EDWARD JACOB MORGAN	Blackville, New Brunswick
LEWIS HENRY MORGAN	Fredericton, New Brunswick
JOSEPH MARIA MULDER	Oromocto, New Brunswick
JUDITH HELEN MURPHY	Montreal, Quebec
JANET LOUIS NEILSON	Sheffield, New Brunswick
LORNA KATHERINE NEUFELD	London, Ontario
PHILLIP JOHN NIELSEN	Fredericton, New Brunswick
ARTHUR CHARLES BLACKFORD PARKER	Saint John, New Brunswick
COLIN STEWART PATERSON	Fredericton, New Brunswick
WILLIAM ALEXANDER PERT	Fredericton, New Brunswick
ANDREWS KWAME PIANIM	Ghana, West Africa

CHRISTINA JANET PLUMSTEAD	St. Andrews, New Brunswick
JON ANTHONY PORTER	New Carlisle, Quebec
JAMES LAWRENCE ROSS	Moncton, New Brunswick
ELLEN JOANNE ROWLEY	Saint John, New Brunswick
LORNE ELKIN ROZOVSKY	Toronto, Ontario
JOHN E. RUSSELL	Toronto, Ontario
CAROL ANN SEELEY	Lancaster, New Brunswick
PATRICIA ANN SHAW	Oromocto, New Brunswick
JENNESTA BERNICE SMALL	Grand Manan, New Brunswick
MARY ELLEN STEEVES	Portland, Maine, U.S.A.
DOUGLAS ARNOLD STEWART	Sussex, New Brunswick
GERALD ESMOND STILES	St. Stephen, New Brunswick
JOHN HENRY SULLIVAN	Pictou, Nova Scotia
DIANE LORINDA THOMPSON	Saint John, New Brunswick
WENDY FRANCES TIDMARSH	Montreal, Quebec
ROBERT DAVID TODD	Brockville, Ontario
SHIELA MARGARET WATSON	Fredericton, New Brunswick
ROBERT GARTH WILLISTON	Bay du Vin, New Brunswick

BACHELOR OF EDUCATION

NICHOLAS EDWARD BALDWIN	Saint John, New Brunswick
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JOSEPH NORMAND BOUCHARD	Edmundston, New Brunswick
WENDELL BILLINGS COLPITTS	Shediac, New Brunswick
RUBY LAURA CRAIG	Hartland, New Brunswick
LOWELL RODERICK DEMOND	South Brookfield, Nova Scotia
MICHAEL GREGORY DIONNE	St. Stephen, New Brunswick
PETER CRANDALL GOUGH	Fredericton, New Brunswick
RICHARD JESSE HARVEY	St. George, New Brunswick
CLIFFORD HENDERSON JONES	Clementsport, Nova Scotia
VERNON AFFRED JONES	River Glade, New Brunswick
JACQUES ALBERT LEVESQUE	Edmundston, New Brunswick
BERNARD JOSEPH LUNNEY	Saint John, New Brunswick
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ALLAN LESLIE MACDONALD	Saint John, New Brunswick
ROBERT MANSON MACFARLANE	Campbellton, New Brunswick
ANNE SANSOM MACGILLIVRAY	Grand'Mere, Quebec
MICHAEL RODERICK MACKENZIE	Fredericton, New Brunswick
MONA MARIE MCLEAN	Saint John, New Brunswick
MARY JEAN MCNICHOL	Fredericton, New Brunswick
MARY ELIZABETH MADDOX	Saint John, New Brunswick
FRANCIS HERMAN PREMDAS	Trinidad, West Indies
EDWARD ALBERT RAMSAY	Newcastle, New Brunswick
KATHLEEN RUFF	London, England
LAURA CATHERINE STILES	Moncton, New Brunswick
JERRY MILAN VOKRAL	St. Eustache, Quebec

BACHELOR OF CIVIL LAW

JOSEPH JEAN FREDERIC ARSENAULT	Bathurst, New Brunswick
GEORGE DAVID NAPIER COVERT	Halifax, Nova Scotia
ROBERT FREELAND DYKES	Mount Royal, Quebec
WELDON GRASER	Fredericton, New Brunswick
GORDON FREDERICK GREGORY	Saint John, New Brunswick
DAVID THOMAS HASHEY	Fredericton, New Brunswick
DONALD MUIR HENDERSON	Thorold, Ontario
ANTHONY EDWARD LASKOWSKY	Oshawa, Ontario
HAROLD BROOKLYN NICKERSON	Sydney, Nova Scotia
DAVID MALCOLM NORMAN	Kingston, Ontario
DORIS GERALDINE OGILVIE	Fredericton, New Brunswick
WALLACE SOMERVILLE TURNBULL	Rothsay, New Brunswick

CONFERRING OF HIGHER DEGREES IN COURSE

Candidates Presented by Acting Dean of Graduate Studies

MASTER OF SCIENCE IN FORESTRY

CONOR WILSON BOYD	Ashley Close, Herts., England (B.Sc. (For.), Edinburgh University, 1961) Title of Thesis: <i>An Appraisal of the W.E.S. Bicksburg Trafficability System with Particular Reference to a Forestry Application.</i>
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MASTER OF SCIENCE IN ELECTRICAL ENGINEERING

HARRIS HOI-FUN CHIK	Hong Kong, China (B.Sc., National Taiwan University, 1959) Title of Thesis: <i>An Investigation of the Effect of Voltage Regulators on Transient Stability Limits.</i>
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RASHID-UD-DIN MALIK	Lahore, West Pakistan (B.E., Peshawar Engineering College, 1959) Title of Thesis: <i>Simple Structure Error Correcting Codes.</i>
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KEITH ALLAN STROMSMOE	Warner, Alberta (B.Sc. (Eng. Physics), University of Alberta, 1958) Title of Thesis: <i>Study of an Adaptive Control System</i>
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PAO SHIH WANG	Taipei, Taiwan, China (B.S., National Taiwan University, 1958) Title of Thesis: <i>The Relationships Between Surge Phenomena, Insulation Co-ordination and Lightning Arrester Applications.</i>
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HSI-HAN YEH	Keelung, China (B.S., National Chiao Tung University, 1956) Title of Thesis: <i>The Effect of Plane Variations Upon Closed-Loop Linear Systems.</i>
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MASTER OF SCIENCE IN CIVIL ENGINEERING

WILLIAM GERALD PATERSON	Fredericton, New Brunswick (B.Sc., University of New Brunswick, 1959) Title of Thesis: <i>Foundation Failure of an Oil Storage Tank.</i>
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MASTER OF SCIENCE IN SURVEYING ENGINEERING

EUGENE EMERY DERENYI	Toronto, Ontario (Dipl. Ing., Technical University (Sopron), 1954) Title of Thesis: <i>Deflections of the Vertical in Central New Brunswick.</i>
----------------------	--

MASTER OF SCIENCE IN CHEMICAL ENGINEERING

DIARMUID AIDAN MACCARTHY	Kinnegad, Westmeath, Eire (B.E., University College of Dublin, 1961) Title of Thesis: <i>Forced Convective Heat Transfer from a Moving Boundary in a Rectangular Duct.</i>
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MASTER OF SCIENCE IN MECHANICAL ENGINEERING

TAI-RAN HSU	Taiwan, China (B.Sc., Taiwan University, 1959) Title of Thesis: <i>The Experimental Study of Stress Distribution in Rotating Disks.</i>
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MASTER OF SCIENCE

- ROGER RICHARD DE MONTMORENCY CATTLEY Fredericton, New Brunswick
(B.Sc., University of New Brunswick, 1960)
Title of Thesis: *Perception of Airborne Vapours of Pinene by the Mealworm, Tenebrio Molitor, Linnaeus.*
- PETER HERMAN JOHANSEN Moncton, New Brunswick
(B.Sc., University of New Brunswick, 1961)
Title of Thesis: *The Effects of Sub-lethal Concentrations of DDT on Locomotor Activity and Rate of Growth of Atlantic Parr, Salmo salar, Linnaeus.*
- JAMES ROBERT ALFRED MCNUTT Fredericton, New Brunswick
(B.Sc., University of New Brunswick, 1959)
Title of Thesis: *The Petrology of the Goodwin Lake Gabbro.*
- DAVID MALCOM OGILVIE Fredericton, New Brunswick
(B.Sc., University of New Brunswick, 1959)
Title of Thesis: *DDT-Induced Changes in the Response of Young Atlantic Salmon, Salmo salar (Linn.), to Temperature.*

MASTER OF ARTS

- DOROTHY HYACINTH BROWN Highgate, Jamaica
(B.A., University of Toronto, 1961)
Title of Report: *José-Maria de Heredia: Le Parfait Parnassien.*
- DAVID ANDRE-DUPUIS GILMORE St. Stephen, New Brunswick
(B.A., 1959, B.Ed., 1961, University of New Brunswick)
Title of Report: *The Figure of Vautrin in the Comedie humaine of Balzac.*
- WALTER JOHN LEARNING St. John's, Newfoundland
(B.A., University of New Brunswick, 1961)
Title of Thesis: *A Critique of Some Aspects of Contemporary Ethical Theory: Principally an Examination of "Meta-Ethics" in the Light of its Historical Relations with the Naturalism and Intuitionism of the Nineteenth Century.*
- SHIRLEY EVELYN MCPHEE Worcester, Massachusetts
(B.A., University of New Brunswick, 1960)
Title of Thesis: *Social Organization and Economic Change in a Fishing Community.*
- JAMES ROY SAVARY Ottawa, Ontario
(B.A., University of New Brunswick, 1960)
Title of Thesis: *Principles of Producers' Co-operatives and Capital Co-operative Limited.*

DOCTOR OF PHILOSOPHY

- ALLISON HAZEN GRAY Nashwaaksis, New Brunswick
(B.Sc., 1957, M.Sc., 1960, Mount Allison University)
Title of Thesis: *The Structure of Tuberosinone and the Structure of Stereo-chemistry of Quassin and Neoquassin.*
- Marshal of Encaenia, DAVID R. GALLOWAY, M.C., M.A.
Professor of English

ACADEMIC DRESS

GOWNS

Undergraduates — Plain black stuff material, sleeveless.

Bachelors — Black stuff gown 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 lined 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 blue 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.