



One Hundred and Thirty-Eighth Encaenia

Tuesday, 16th May

1967

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 O Canada, to remain until the Academic Procession has left.

Music for the One Hundred and Thirty-Eighth Encaenia is by the Band of the Royal Canadian Dragoons of the Canadian Forces Base, Gagetown, by kind permission of COLONEL C. D. SIMPSON, CD, Base Commander, Canadian Forces Base, Gagetown, and under the direction of LIEUTENANT T. A. BARNES, CD, FCBA, LCBA.

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 Lady Dunn Hall.

## INTRODUCTORY MUSIC

March: Sigurd Jorsalfar ... .. *Grieg*  
Overture: The Caliph of Bagdad ... .. *Boieldieu*  
Menuetto: The Royal Fireworks Music ... .. *Handel*  
Two Movements: The Swan Lake Ballet... *Tschaikowsky*  
Epilogue: Things to Come ... .. *Bliss*

## ORDER OF PROCEEDINGS

### PROCESSIONAL MARCH

March of the Peers.....*Sullivan*  
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 THE VERY REV. H. L. NUTTER, B.S.Litt., M.A., D.D.,  
*Dean of Fredericton*

### REMARKS BY THE PRESIDENT AND VICE-CHANCELLOR

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

CHARLES PERRY STACEY

#### To Be Doctor of Science

RAYMOND URGEL LEMIEUX

#### To Be Doctors of Laws

DONALD CHURCHILL DUFFIE

NATHAN CUMMINGS

MARIE-JOSEPH PAUL CLAUDE JODOIN

PAUL JOSEPH JAMES MARTIN

### ENCAENIA ADDRESS

DR. PAUL JOSEPH JAMES MARTIN

### PRESENTATION OF PRIZES AND MEDALS

By the President and Vice-Chancellor

### CONFERRING OF DEGREES OF

#### DOCTORS OF PHILOSOPHY 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 MASTERS' DEGREES IN COURSE

Candidates will be presented by the Dean of Graduate Studies.

### CONFERRING OF BACHELORS' DEGREES IN COURSE

Candidates will be presented by the University Orator.

### O CANADA

### RECESSIONAL MARCH

March Processional.....*Grundman*

## 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)

CHARLES PERRY STACEY

to be

Doctor of Letters

"With reference to the narrative of events, far from permitting myself to derive it from the first source that came to hand, I did not even trust my own impressions, but it rests partly on what I myself saw, partly on what others saw for me, the accuracy of the report being always tried by the most severe and detailed tests possible. My conclusions have cost me some labour . . ."

Colonel Stacey is Canada's leading military historian. Many in this audience, especially the veterans, will vow that they recognize the quoted passage. If they hunt through the works on World War II that have made him and his school of historians famous, they will not find the actual words—these were penned two thousand four hundred years ago by Thucydides—but they will be right about the Stacey spirit. It is that spirit of impartial and painstaking accuracy which inspires the writing of all first class history, but particularly of military history, for—and these are our militant scholar's own words—"when to the grey fog of war is added the golden haze of romance, visibility tends to fall close to zero."

Professional soldiers both, the Thucydides of Athens and the Thucydides of Canada wrote on the greatest war within their respective purviews. Each, eschewing the romantic, has produced that greatest of all romances, a supreme national struggle recorded straightly and without bias. Each might have used the other's phrases, each pricked "the bubble, Reputation" (for Thucydides deflated his Wolfes and Montcalms), and each rose to the crowning moments, be it Pylos and Syracuse or Hong Kong and Dieppe. But whereas the Athenian was describing the downfall of his homeland, Stacey has described the rising glory of his.

When time permits the final assessment of Stacey's *Six Years of War*, as it has already assessed *The Canadian Army 1939-1945*, it will surely allow him the justified boast of his great predecessor: "My history has been composed to be an everlasting possession, not the show-piece of an hour."

RAYMOND URGEL LEMIEUX

to be

Doctor of Science

In our centennial homage to Canadian Science we honour the chemist, Dr. Lemieux.

The crown of a career, which has included his contribution to the structure of streptomycin, has been his work on the structure and reactions of carbohydrates. As a world authority in this vital field he was in April elected a Fellow of the Royal Society of London.

He is the only Canadian among thirty-two whom that ancient and venerable body has this year selected for membership, and the thirty-first Canadian ever to be so honoured.

This is more than reflected glory for the schools of Alberta and for the University at Edmonton, from which he graduated with honours in 1943 and to which, after invaluable labours at other seats of learning, he returned as Professor in 1961. It was at the Prairie Research Laboratory on the Saskatchewan campus that in 1953 he completed the extremely difficult synthesis of sucrose. In recent years his research has embraced a great variety carbohydrates because, in his own view, of the possibility they hold for the development of synthetic antibiotics.

This penetrating manipulator of the molecule has not yet turned forty-seven. We wish him as many fruitful years to come. And if only during these his achievements in carbohydrate anti-biotics can blossom into carbohydrate *antilipids*—let us avoid the plain English of that 3-lettered foe to our maturing waistlines—he will deserve not a hood but a halo!

DONALD CHURCHILL DUFFIE

to be

Doctor of Laws

We salute in her President the University from the North Shore which has come to share our campus.

The eldest in a talented family of ten, the Oromocto altar boy and the Oxford Blue seems only sub-consciously to have worked for his life's twin goals, the Law and the Church. The seed planted in the village school and nurtured at Fredericton High was strengthened at St. Joseph's, where the 300 ft frontage of the university building almost stamped him as a 100 yarder. Our Law School in Saint John stole a budding politician. But it was the vision of our own Lieutenant Governor, whose benign interest has set many another tiro on the path to fulfilment, that steered his promising junior into a Rhodes Scholarship. At Brasenose College Oxford, amid grinding for the B.C.L. and playing hockey for the University, there came the revelation of his spiritual goal, and he returned to train in Halifax for the priesthood.

Laval cemented the marriage of the Legal with the Ecclesiastic, and the offspring of this uniquely reciprocal union performed perhaps his most fruitful labours as *Defensor Vinculi* for the Maritime Matrimonial Tribunal in fostering that blessed state among the laity.

Never a practising Lawyer, he became a Professor of Canon Law as of Political Science, while giving of his energies and experience to committees, councils, and clubs.

Mr. President, I present to you a man of many parts, a man who embodies a scholar's brain, a decisive grasp of affairs, and a composure unruffled by the thorniest problems; on whom, for extra measure, his Creator has bestowed an irresistible twinkle in the eye, and in the heart a vein of the purest gold.

NATHAN CUMMINGS

to be

Doctor of Laws

Nathan Cummings entered the world in Saint John, N.B. and at fourteen was in business—as a messenger boy in Boston. He is now Chairman of the Board of Consolidated Foods Corporation.

He has built his business on four adamantine foundations. The first, Integrity, he learned from his parents, and practised when he personally paid back every creditor every dollar in a limited liability company (his own) which went 'broke. With Integrity came Credit; with Credit Public Participation, which to Cummings means not merely shares but Sharing; and finally Autonomy.

Consolidated Foods he terms an "Autonoplex", but possibly this should be "Autonoflex" since flexibility is a golden key to its success. A mere youth among corporations and celebrating in 1964 only a Silver Anniversary, it notched up sales last year of close on \$848 million. No unsubstantial portion of these derived from Canada.

Cummings, who enjoys his well earned fortune, is anxious for the public share his enjoyment. A great civic benefactor of Chicago, his display of pre-Columbian artifacts at Manhattan's Metropolitan Museum is one of the world's finest, and his art collection numbers, in his own phrase, "100 very, very good paintings and 500 fun ones". A year ago he purchased Picasso's *Woman with Flowers* for \$92,500. For most of us this would be no fun, though it may well be for Nate, who has as shrewd an eye for canvasses as he has for companies.

The Province is proud of her nursling, and in her name and that of his native city we inscribe our Doctorate on the roll of his honours and decorations.

**MARIE-JOSEPH PAUL CLAUDE JODOIN**

to be  
Doctor of Laws

His boyhood ambition was to be a surgeon. But the crash of '29 and the Depression forced him to trade the scalpel for the pick and shovel. In five calloused years he saw hunger everywhere. In the sweat shops of Montreal he saw the need for surgery of a social kind, when cutters were driven to sleeping on their tables and a pair of workers might share a weekly wage of \$7.50. In 1937 he joined Montreal local 262 of the I.L.G.W.U., organized a triumphant strike, and negotiated their first contract.

A union man to his cuff-links, his worth to Labour and Management has ever since been manifest. In 1956 he was elected President of the Canadian Labour Congress which was founded, largely under his promotion, on a merger of the two great rival unions. For eleven years he has steered it on a sane course between the extremes of Right and Left.

The C.L.C. is now trimming itself ruthlessly to the demands of a more technical age. And the robust Claude proudly points out that as he grew with Labour movement, so now he is but following that movement's example by streamlining himself.

This is needless punishment of so outstanding a figure, whose possessor calls Canada his country, Quebec his province, Ottawa his Headquarters, and men of every colour his brothers.

**PAUL MARTIN**

to be  
Doctor of Laws

Consummate politician though he is, the Minister for External Affairs has won the world's respect as a statesman. And statesmanship is not moulded in a session. He is the only Canadian in politics to-day who officially attended both the League of Nations and the United Nations. In the House two members alone have served longer than he.

Intellectual and poised, he is never out-generalled in the parliamentary war of words, unmasking deadly batteries when the target offers, or emitting an impenetrable smokescreen if hard pressed.

A master of tactics, he first showed his strategy on the home front. Victim of polio as a child, he had the Salk serum ready for distribution before the tests were completed—a capital hazard for the Minister of Health and Welfare but potential health for half a million Canadian children. His Department was marked by first class administration and a perseverance of which some fruits fell to the other Party. The Liberals, under his nudging, had initiated the Hospital Insurance Act. The Tories saw it come into effect. Here truly was a case where Paul planted but Apollos watered!

In External Affairs his mind is set on independent Canadian policies, but his heart is open to the world. He was President of N.A.T.O. in 1965. To his sponsoring have been due, among other momentous measures, the peace-keeping operation in Cyprus, the compromise that staved off the U.N. financial crisis, and the draft treaty on the non-proliferation of nuclear weapons.

Let all be inspired by the creed of him who is to deliver our Encaenia address:

"I care passionately for the fate of people."

**PRIZE LIST**

1967

- Douglas Gold Medal*—best English essay submitted by an undergraduate  
MARION LORENA COX BEYEA, Hampton Station, New Brunswick
- Governor General's Gold Medal*—outstanding student in Graduating Class  
JEAN MARIE HUGHES, Lower Millstream, New Brunswick
- Lieutenant-Governor's Silver Medals*—highest standing in Final Year
- Arts—  
BRIAN EDWARD BUTLER, Fredericton, New Brunswick
- Science—  
JEAN MARIE HUGHES, Lower Millstream, New Brunswick
- Engineering—  
GEORGE STEPHENSON WHEATLEY, Fredericton, New Brunswick
- Forestry—  
JAMES STEPHEN HOYT, Fredericton, New Brunswick
- Law—  
BASIL DOMINIC STAPLETON, Fredericton, New Brunswick
- Alumni Gold Medal*—most outstanding Latin scholar among undergraduates  
JUDITH NANCY CUTTS, Oak Bay, New Brunswick
- Business Administration Club Medal*—outstanding Business student  
RICHARD LEWIS SIMMS, Saint John, New Brunswick
- Canadian Institute of Forestry Gold Medal*—outstanding member of graduating class in Forestry  
ROBERT JERRY DRYSDALE, Hensall, Ontario
- City of Fredericton Gold Medal*—most promising student in Final Year Chemistry  
CYRIL SENG FATT TANG, Ipoh, Perak, Malaysia
- Ketchum Silver Medal*—best student in final year Civil Engineering  
GEORGE STEPHENSON WHEATLEY, Fredericton, New Brunswick
- Canada Permanent Mortgage Corporation Prize in Mortgages*  
BASIL DOMINIC STAPLETON, Fredericton, New Brunswick
- Society of Chemical Industry Merit Award*  
ALBERT GORDON ALEXANDER, Saint John, New Brunswick
- Canada Permanent Trust Company Prize in Trusts*  
BASIL DOMINIC STAPLETON, Fredericton, New Brunswick
- Class of 1909 Prize*  
NANCY MAUD DOBBIE, Lachute, Quebec
- Dr. A. Wilmer Duff Prize in Physics*  
BEVERLEY ANN BOONE, Fredericton, New Brunswick
- Archdeacon Forsyth Prize*—greatest proficiency in English Literature  
BARBARA JEAN GIBBS, Saint John, New Brunswick
- Hebrew Scholarship of Fredericton*—highest standing in Education  
MARGARET MACRAE MACDOUGALD MACFARLANE, Summerside, Prince Edward Island
- Brydon Jack Scholarship*—highest standing in fifth year Electrical Engineering  
DARRELL MANFORD MCKNIGHT, St. Stephen, New Brunswick

*Dr. W. C. Kierstead Prize in Philosophy*

BRIAN EDWARD BUTLER, Fredericton, New Brunswick

*Law Faculty Prize—highest standing in third year Law*

BASIL DOMINIC STAPLETON, Fredericton, New Brunswick

*Canada Law Book Prize—second highest standing in third year Law*

KARL JOHN DORE, Fredericton, New Brunswick

*P. M. Levine Memorial Prize—highest standing in third and fourth year Business Administration*

LESLIE ORILL COLE, Halifax, Nova Scotia

RICHARD LEWIS SIMMS, Saint John, New Brunswick

*William Stuart MacFarlane Scholarship—highest standing in fourth year Latin and Greek*

MARY JANE SMYTHE, St. Stephen, New Brunswick

*N.B. Command Canadian Legion Prizes—highest standing in final three years of Physical Education*

CLIFFORD JOHN MOORE, Montreal, Quebec

JOANNE ELIZABETH TAYLOR, Westmount, Quebec

*Sir Charles G. D. Roberts Memorial Prize—best Short Story*

DOUGLAS ALBERT LEYDEN, Saint John, New Brunswick

*James Simmonds Prize in History*

GEORGE WILLIAM KITCHIN, Nashwaaksis, New Brunswick

*John Stephens Memorial Prize—highest standing in fifth year Mechanical Engineering*

GLENN HARTLEY MCINTYRE, Athelstan, Quebec

*Ambassador of Switzerland Prizes*

French—

JUDITH NANCY CUTTS, Oak Bay, New Brunswick

German—

NANCY ELIZABETH EVANS, Saint John, New Brunswick

*Fannie Velensky Prize—highest standing in final year Nursing*

CAROL LYNN STEEVES, Moncton, New Brunswick

*Videto-Hadley Memorial Prize—outstanding student in Forestry*

PETER JOHN METCALFE, Toronto, Ontario

## CONFERRING OF HIGHER DEGREES IN COURSE

*Candidates Presented by the Dean of Graduate Studies*

### DOCTOR OF PHILOSOPHY

ROBERT WILLIAM GUTHRIE (Chemistry) .....Fredericton, New Brunswick  
(B.Sc., Sir George Williams University, 1963)  
Title of Thesis: *Synthesis of Atisine*

BASANTA KUMAR MAHATO (Chemical Engineering).....W. Bengal, India  
(I.Sc., 1953, B.Sc., 1955, M.Sc., 1958, University of Calcutta; M.Sc.,  
University of New Brunswick, 1964)  
Title of Thesis: *Mass Transfer Analysis of Iron Corrosion Process*

SHERWIN THOMAS JOSEPH NUGENT (Electrical Engineering)  
Kelligrews, Newfoundland

(B.Sc., Memorial University, 1959; B.E., Nova Scotia Technical College-  
1960; M.A.Sc., Toronto University, 1963)

Title of Thesis: *Steady State Oscillations in Multivariable Relay Control System*

ADOLF HERMAN PHILIP (Chemistry).....Nesselried, Germany  
(Diplomchemiker, Chemieschule, Germany, 1957)  
Title of Thesis: *Synthetic Studies in Penta- and Hexacyclic Diterpene Alkaloids*

DONALD FREDERICK ROWAN (English) .....Fredericton, New Brunswick  
(B.A., University of New Brunswick, 1950; B.A., 1952, M.A., 1960,  
Cambridge University)  
Title of Thesis: *Sir William Berkeley's "The Lost Lady"*

SHREEKANT DATTARAM SABNIS (Chemistry) .....Bombay, India  
(B.Sc., 1959, M.Sc., 1963, University of Bombay)  
Title of Thesis: *Synthetic Studies of Quassin*

GEORGES SANTROCH (Chemistry) .....Otrokovice, Czechoslovakia  
(Ing. Chem., Institute of Technology, Otrokovice, 1960)  
Title of Thesis: *The Synthesis of an Aromatization Product of Delphinine*

TSE-TIM PATRICK WONG (Chemistry) .....Hong Kong  
(B.Sc., 1956, M.Sc., 1958, Fu Tan University)  
Title of Thesis: *Studies of Metal Complexes of Pyridine Derivatives*

### MASTER OF SCIENCE IN FORESTRY

EDWARD GEORGE KETTELA .....Weston, Ontario  
(B.Sc.F., University of New Brunswick, 1965)  
Title of Thesis: *The Cone and Seed Insects of Balsam Fir, Abies Balsamea (L.) Mill.*

LAMBERT JOHN POST .....Fredericton, New Brunswick  
(B.Sc.F., University of Toronto, 1960)  
Title of Thesis: *The Effect of Intensity of Radiation on Height Growth, Weight Increment, and Maximum Rate of Photosynthesis, in Mountain Maple Seedlings*

### MASTER OF SCIENCE IN ENGINEERING

QUON SANG CHOW (Electrical Engineering).....Vancouver, British Columbia  
(B.A.Sc., University of British Columbia, 1964)  
Title of Thesis: *Noninteracting Control of Multivariable Relay Systems*

CHARLES BRIAN DAVID BUNNER (Electrical Engineering)..Beaconsfield, Quebec  
(B.Sc., University of New Brunswick, 1964)  
Title of Thesis: *A Study of Electrodes for use in Myo-electric Control Systems*

LALITH DHARESHWAR (Electrical Engineering).....Bangalore, India  
(B.Sc., Mysore University, 1964; B.E., Indian Institute of Science,  
Bangalore, 1965)  
Title of Thesis: *Crosstalk in Myo-electric Control Systems*

DESMOND JAMES GREEN (Chemical Engineering) .....Athlone, Eire  
(B.E., University College, Dublin, 1961)  
Title of Thesis: *Dynamics of A Spouted Liquid Reactor*

UDAYKUMAR GOVINDDAS GUJAR (Electrical Engineering).....Satara City, India  
(B.E., College of England, 1962; M.Tech., Indian Institute of Technology,  
Bombay, 1954)  
Title of Thesis: *Generation of Random Signals with Specified Probability  
Density Functions and Power Density Spectra*

PAUL RAYMOND HILL (Civil Engineering).....Willowdale, Ontario  
(B.Sc., University of New Brunswick, 1962)  
Title of Thesis: *Simulation of Peak Hour Traffic Patterns in a Small City*

KWANG-RAY HSU (Civil Engineering) .....Taiwan, China  
(B.Sc., Cheng Kung University, Taiwan, 1960)  
Title of Thesis: *Sheer Connector Without Welding*

NIRMAL KUMAR JAIN (Electrical Engineering).....Tundla, India  
(B.Sc., Allahabad University, 1962; B.E., Indian Institute of Science,  
Bangalore, 1965)  
Title of Thesis: *The Development and Application of a Generalised Har-  
monic Analyser*

KLAUS PETER SCHWARZ (Surveying Engineering).....Duesseldorf, Germany  
(English Diploma, Bonn, 1965)  
Title of Thesis: *On the Accuracy of Orientation Procedures in Analytical  
Photogrammetry*

WILLIAM MERRETT SCHWARTZ (Surveying Engineering)..Regina, Saskatchewan  
(B.Sc., University of Saskatchewan, 1949)  
Title of Thesis: *Plane Co-ordinate Survey Calculations on the IBM 1620  
Computer*

CHARLES ANTONY SHORT (Mechanical Engineering).....Bournemouth, England  
(B.Sc., University of New Brunswick, 1964)  
Title of Thesis: *Dynamic and Static Stress Concentration Factors for  
Openings in Building Walls*

#### MASTER OF ENGINEERING

ELIZABETH I-LIEN KUAO TING (Electrical Engineering).....Shanghai, China  
(B.E.E., National CheKiang University, 1943)  
*Course Degree*

BHAGWAN SHARAN VIJAYWARGIYA (Civil Engineering) ..... New Delhi, India  
(B.Tech., Indian Institute of Technology, 1964)  
*Course Degree*

GEORGE FREDERICK WILLIAMSON (Civil Engineering)  
Fredericton, New Brunswick  
(B.Sc., University of New Brunswick, 1960)  
Title of Report: *Design of the Superstructure of the Longs Creek Bridge*

#### MASTER OF SCIENCE

TERRY ALEXANDER DICK (Biology).....Pembroke, Ontario  
(B.Sc., University of New Brunswick, 1963)  
Title of Thesis: *Parasitological Studies in Ruffed Grouse (*Bonasa um-  
bellus*)*

DONALD ERNEST DRURY (Biology) .....Petitcodiac, New Brunswick  
(B.Sc., University of New Brunswick, 1964)  
Title of Thesis: *A Comparison of Methods for Measuring Thyroid Activity  
in Eastern Brook Trout (*Salvelinus Fontinalis Mitchell*)*

GALEN LEROY GREER (Biology) .....Plaster Rock, New Brunswick  
(B.Sc., University of New Brunswick, 1963)  
Title of Thesis: *Effects of Exposure of Juvenile Atlantic Salmon to DDT*

DAVID THIEN CHOI LEE (Geology) .....Sabah, Malaysia  
(B.Sc., University of New Brunswick, 1964)  
Title of Thesis: *Structural Analysis in Letang Peninsula and Frye Island,  
Charlotte County, New Brunswick*

WALTER ALEXANDER NASH (Geology).....North Sydney, Nova Scotia  
(B.Sc., St. Francis Xavier University, 1957)  
Title of Thesis: *Pyroxenes and Trace Elements in St. Stephen Gabbro  
Complex, New Brunswick*

DAVID JOHN NEAVE (Biology).....Ballymena, N. Ireland  
(B.Sc.F., University of New Brunswick, 1965)  
Title of Thesis: *The Population Dynamics of Ruffed Grouse in New  
Brunswick*

ROBERTA ELIZABETH MORTON POLLOCK (Biology) ...Moncton, New Brunswick  
(B.Sc., University of New Brunswick, 1962)  
Title of Thesis: *Responses of *Tenebrio Molitor L.* to Varied Intensities  
of Light*

MIAN SHIN SUN (Chemistry).....Taiwan, China  
(B.Sc., Taiwan Christian College, 1962)  
Title of Thesis: *Formation Constants for Complexes of Copper, Nickel,  
and Silver with Some Substituted Pyridine Ligands.*

#### MASTER OF ARTS

CONSTANCE JOYCE ARTHUR (English).....Moncton, New Brunswick  
(B.A., University of New Brunswick, 1964)  
Title of Thesis: *The Short Stories of Hugh Garner and Morley Callaghan;  
a Comparative Study*

ROBERT LEO CAMPBELL (English).....Sydney, Nova Scotia  
(B.Sc., St. Francis Xavier University, 1961; Certificate in Education,  
University of Manitoba, 1962)  
Title of Thesis: *Imagery and Symbolism in the Fiction of Ethel Wilson*

RONALD WALTER JOHNSON (Psychology).....Moncton, New Brunswick  
(B.A., Mount Allison University, 1965)  
Title of Thesis: *E. Attributes which affect S-Response*

RONALD WILLIAM McBRINE (English).....Fredericton, New Brunswick  
(B.A., University of New Brunswick, 1959; B.J., Carleton University,  
1961)  
Title of Thesis: *The Development of the Familiar Essay in English Can-  
adian Literature from 1900-1920*

- RONALD EDWARD NEILL (English).....Callander, Perthshire  
(M.A., University of Glasgow, 1963)  
Title of Thesis: *Wallace Stevens' "The Comedian as the Letter C": A Critical Study and Development*
- RAE LAURENCE SIMPSON (Economics).....Hillsboro, New Brunswick  
(B.A., University of New Brunswick, 1964)  
*Course Degree*
- FLORENCE ELIZABETH SKRETKOWICZ (English).....Hamilton, Ontario  
(B.A., McMaster University, 1964)  
Title of Thesis: *The Female in the Writings of William Blake*
- VICTOR SKRETKOWICZ (English).....Hamilton, Ontario  
(B.A., McMaster University, 1964)  
Title of Thesis: *Blake's Creation Myth in Relation to the Writings of Jacob Boehme*
- PAIROJANA SORNJITTI (Economics).....Bangkok, Thailand  
(B.A., Thammasat University, 1962)  
*Course Degree*
- EARLE OLIVER TURBRETT (History).....Sydney, Nova Scotia  
(B.A., St. Francis Xavier University, 1964)  
Title of Thesis: *The Development of the New Brunswick Court System 1784-1803*
- RENE ERNEST VILLA (Psychology).....Tampa, Florida  
(B.A., University of South Florida, 1965)  
Title of Thesis: *Perception of Autokinesis as Affected by Suggestion, Configuration, and Experimentally Introduced Noise*

## CONFERRING OF BACHELORS' DEGREES IN COURSE

### *Candidates Presented by the University Orator*

(Listed alphabetically, not by standing)

#### BACHELOR OF NURSING

- BRENDA GEORGIE CHRISTENSEN.....Fredericton, New Brunswick  
RUBY MURIEL CLARK.....Dipper Harbour, New Brunswick  
JANICE NELLIE COREY.....Saint John, New Brunswick  
PATRICIA LOUISE CRAIG.....Saint John, New Brunswick  
EVELYN MOWATT EGRERS.....Chipman, New Brunswick  
HELGA RAMONA FORBES.....Lisbon, Portugal  
JOY ANNE HAINES.....Fredericton, New Brunswick  
BONITA LOUISE HAMILTON.....Fredericton, New Brunswick  
CAROL JEAN HIGHT.....Chambly, Quebec  
SHARON MARIE HILL.....Fredericton, New Brunswick  
JOAN ELIZABETH HUTCHISON.....Hudson Heights, Quebec  
KAREN MURIEL McBEATH.....Moncton, New Brunswick  
MARSHA LEE MACDONALD.....Rexton, New Brunswick  
JUDITH DIANE MCKAY.....Canterbury, New Brunswick  
BARBARA ANN MADELYN McLEOD.....Fredericton, New Brunswick  
MARY LORRAINE MAYES.....Gagetown, New Brunswick  
BONNIE DEANNA NICOL.....Chatham, New Brunswick  
SCYNTHIA ALICE SOMERS.....Grand Manan, New Brunswick  
HEATHER KATHLEEN SPENCE.....Bathurst, New Brunswick  
CAROL LYNN STEEVES.....Moncton, New Brunswick  
ANN LOUISE WEST.....Coles Island, New Brunswick

#### BACHELOR OF TEACHING

##### *Elementary*

- SALLY MARIE ALLEN.....Saint John, New Brunswick  
MARION GAIL EVANS.....Fredericton, New Brunswick  
JOAN BARBARA FISHER.....Saint John, New Brunswick  
MARGARET SUSAN KELLY.....Mouth of Keswick, New Brunswick  
LINDA CARLYN LAMBERT.....Deer Island, New Brunswick  
WILLIAM JAMES LOVELACE.....Fredericton, New Brunswick  
KENNETH ALLAN MARQUIS.....Saint John, New Brunswick  
PATRICIA ROWENA MOORE.....Prince William, New Brunswick  
CHERYL LYN GAIL ROBERTSON.....Plaster Rock, New Brunswick

##### *Commercial*

- ROBERT RONALD BIGGS.....Moncton, New Brunswick  
JOEL MACLEOD FERGUSON.....Flatlands, New Brunswick  
ARNOLD DOUGLAS MACPHERSON.....St. Stephen, New Brunswick  
MARJORIE THORNE NOBLE.....Saint John, New Brunswick

##### *Industrial*

- NATHANIEL SEUPERSAUD RAGAUTH.....Georgetown, Guyana

#### BACHELOR OF PHYSICAL EDUCATION

- JOHN WESLEY ANDERSON.....Sault Ste. Marie, Ontario  
BARBARA ANN ARMSTRONG.....Toronto, Ontario  
JAMES HARRY AUCOIN.....Campbellton, New Brunswick  
WILLIAM JOHN BLISS.....Halifax, Nova Scotia  
ALICE FLORENCE BURNHAM.....Florenceville, New Brunswick  
DAVID LEMUEL BUSHEN.....Liverpool, Nova Scotia  
DONALD ROY CALDWELL.....Newport, Nova Scotia  
JOHN DAVID CHISHOLM.....Black's Harbour, New Brunswick  
ROBERT BRIAN CONNELL.....Saint John, New Brunswick

BEVERLY JOAN COOKE.....Halifax, Nova Scotia  
 RICHARD BRIAN COTTER.....Milltown, New Brunswick  
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 EUGENE KRONAS.....Hamilton, Ontario

THOMAS DAVID LITTLE.....Quebec, Quebec  
 HUGH ROSS MCLEOD .....Fredericton, New Brunswick  
 LYNN ALFRED NASON .....Fredericton Junction, New Brunswick  
 FRANKLIN ALBERT PIEROWAY .....Marysville, New Brunswick  
 JOHN ROBERT POWER.....Moncton, New Brunswick  
 JACQUES ALBERT SIROIS.....Fredericton, New Brunswick  
 BARRY RALPH SPARKES .....St. John's, Newfoundland  
 BASIL DOMINIC STAPLETON .....Fredericton, New Brunswick  
 RICHARD JAMES TINGLEY.....Campbellton, New Brunswick

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

## 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.