



THE UNIVERSITY OF  
BRITISH COLUMBIA

ANNUAL SPRING  
CONGREGATION  
FOR THE  
CONFERRING OF DEGREES

THURSDAY, MAY THIRTIETH  
AND  
FRIDAY, MAY THIRTY-FIRST  
NINETEEN HUNDRED AND SIXTY-THREE

**After the Congregation Ceremony on both days, tea  
will be served in the Brock Memorial Building.**

### **O CANADA**

O Canada! Our Home and Native Land!  
True patriot-love in all thy sons command.  
With glowing hearts we see thee rise,  
The True North, strong and free,  
And stand on guard, O Canada,  
We stand on guard for thee.

O Canada, glorious and free!  
O Canada, we stand on guard for thee!  
O Canada, we stand on guard for thee!

**Programme of Ceremony**  
**Thursday, May thirtieth**

**O CANADA**

**INVOCATION**

by the **VERY REVEREND E. GARVEY**

**MUSICAL PROGRAMME**

THURSDAY, MAY 30th, 1963

**Offertorio**

(Sonata per organo e cimbalo) - D. Zipoli  
Allegro Vivace (from Sonata) - G. Sammartini  
Bergamasca (Fiori Musicali) - G. Frescobaldi  
Echo Fantasie in the  
Dorian Mode - - - - J. P. Sweelinck  
Concerto V. - - - - G. P. Telemann  
Fantasie in F - - - - W. A. Mozart  
Concerto in B flat major - - - G. F. Handel  
Fanfare - - - - Francis Jackson

—  
Fanfare - - - - - C. S. Lang  
Voluntary No. 3 - - - - John Travers  
Toccata - - - - William Walond

Professor Leslie G. R. Crouch  
Organist

**REMARKS**

by **PHYLLIS GREGORY Ross**  
Chancellor of the University of British Columbia

**CONFERRING OF HONORARY DEGREES**  
by the Chancellor

**THE DEGREE OF DOCTOR OF SCIENCE**  
LEO E. MARION

**THE DEGREE OF DOCTOR OF LAWS**  
ADLAI E. STEVENSON

**INTRODUCTION OF THE CONGREGATION SPEAKER**  
by **JOHN B. MACDONALD**  
President of the University of British Columbia

**CONGREGATION ADDRESS**  
by **DR. LEO E. MARION**

**CONFERRING OF DEGREES IN COURSE**  
by The Chancellor

**GOD SAVE THE QUEEN**

Reception in the Brock Hall

# THE UNIVERSITY OF BRITISH COLUMBIA

## THE DEGREE OF MASTER OF SCIENCE

- Allan, Ernest Albert, B.Sc. (Brit. Col.), Vancouver Chemistry  
Thesis: "Quantitative Studies of Hydrogen Bonding in Ortho-Substituted Phenols Using Proton Magnetic Resonance".
- Barr, Matthew Ronald, B.Sc. (Brit. Col.), Vancouver Chemistry  
Thesis: "A Study of Melting in the C-Forms of Stearic, Palmitic, Myristic and Lauric Acids by Infrared Spectroscopy and in Anhydrous Stearate by High Resolution Nuclear Magnetic Resonance Spectroscopy".
- Bottinga, Yan, B.Sc. (Toronto), Vancouver Physics  
Thesis: "Oxygen Isotopes in Geology".
- By, Arnold William, B.Sc. (Brit. Col.), Trail Chemistry  
Thesis: "Total Synthesis of Steroidal Derivatives. Synthesis of Hydrochrysene Analogues and Related Compounds".
- Campbell, Gordon Alexander, B.A. (Brit. Col.), Vancouver Zoology  
Thesis: "Nitrogen Excretion in the Deer in Relation to Age and Metabolic Rate".
- Capstick, Valerie, B.Sc. (Brit. Col.), New Westminster Physiology  
Thesis: "A Study of Rhabdomyosarcomas Induced by Nickel Sulphide in Rats".
- Carefoot, Thomas Henry, B.Sc. (Brit. Col.), Vancouver Zoology  
Thesis: "Ion Regulation in Two Species of Intertidal Crabs".
- Coode, Alan Melvill, B.A.Sc. (Brit. Col.), England Physics  
Thesis: "Electric and Magnetic Fields Associated with a Vertical Fault".
- Davidson, Anthony, B.Sc. (Brit. Col.), Vancouver Geology  
Thesis: "A Study of Okaita and Associated Rocks Near Oka, Quebec".
- de Wit, Gerhardus Aloysius, B.Sc. (Brit. Col.), Vancouver Physics  
Thesis: "Deuteron Magnetic Resonance Properties in Deuterated Modifications of Methane".
- Dick, Kenneth Anderson, B.Sc. (Brit. Col.), Vancouver Physics  
Thesis: "The Spark Spectra of Zinc".
- Gallagher, Donald Frederick McGeer, B.A.Sc. (Brit. Col.), M.A. (Toronto), Vancouver Physics  
Thesis: "An Analogue Computer Study of the Townsend and Linear Z-Pinch Gas Discharges".
- Greenhouse, John Phillips, B.Sc. (Brit. Col.), Victoria Physics  
Thesis: "The Application of Direct-Current Resistivity Prospecting Methods to Ice Masses".
- Hartley, James Ernest, B.S.A. (Saskatchewan), Saskatchewan Community and Regional Planning  
Thesis: "The Relation of Taxation to Services as a Technique to Prevent the Premature Conversion of Farm Land".
- Jellinek, Tommy John, B.Sc. (McGill), Vancouver Community and Regional Planning  
Thesis: "Towards a Positive Policy for Neighbourhood Shopping Centre Location".
- Jones, Mrs. Helen, B.Sc. (Brit. Col.), Vancouver Zoology  
Thesis: "A Comparative Study of the Blood Proteins of Five Species of Oncorhynchus Using Starch-Gel Electrophoresis".

- Jones, Richard Gareth Wyn, B.Sc. (Wales), Wales Biochemistry  
Thesis: "The Effect of Vinblastine on the Incorporation of C<sup>14</sup>-Formate into the Acid-Soluble Fraction of Thymus Cell Suspensions".
- Lee, Ker-ping, Dip. (Chung Chi), Malaya Physics  
Thesis: "An 8mm Solid State Spectrometer".
- Magasi, Laszlo, B.S.F. (Sopron), Vancouver Biology and Botany  
Thesis: "A Study of the Dacrymyces Deliquescens Complex".
- McLaren, William David, B.Sc. (Brit. Col.), Vancouver Zoology  
Thesis: "A Preliminary Study of Nest-Site Competition in a Group of Hole-Nesting Birds".
- Ogawa, Takeshi, B.S. (Kyushu), Japan Chemistry  
Thesis: "A Kinetic Study of the Addition of the Ethyl Radical to Acrylonitrile and its Mono-Methyl Derivatives".
- Peterson, Mrs. Alma Ness, B.A. (Brit. Col.), Vancouver Biology and Botany  
Thesis: "Mitotic Aberrations Induced by Sunflower Seed Oil in Allium cepa Root-Tip Cells".
- Robertson, Dale Alexander, B.Sc. (Carlton), Ontario Physics  
Thesis: "The Possible Connections between Certain Universal Symmetry Operations and Baryon and Lepton Conservation".
- Robinson, Alexander Maguire, B.A.Sc. (Brit. Col.), Victoria Physics  
Thesis: "The Construction of a Low-Pressure Flash Tube and the Measurement of some of its Properties".
- Shim, Sun Shik, M.D. (Yonsei), Korea Physiology  
Thesis: "The Effects of Epinephrine on Bone Blood Flow in Dogs and Rabbits".
- Simpson, Leonard Angus, B.Sc. (Brit. Col.), Vancouver Metallurgy  
Thesis: "Yielding and Flow in Vanadium".
- Takhar, Piara Singh, B.A. (Punjab), M.Sc. (Aligarh), India Physics  
Thesis: "Resolution and Line Shape in Scintillation Counters".
- Vermeer, Cornelis Kees, B.Sc. (Brit. Col.), Vancouver Zoology  
Thesis: "The Breeding Ecology of the Glaucous-Winged Gull (Larus glaucescens) on Mandarte Island, B.C".
- Vlattas, Isidoros, Dip. in Chemistry (Athens), Greece Chemistry  
Thesis: "Synthesis of Aza Steroids".

## THE DEGREE OF MASTER OF APPLIED SCIENCE

- Choudhury, Wasiuddin, B.Sc. Eng. (Dacca), Pakistan Mechanical Engineering  
Thesis: "Measurement of Heat Transfer Coefficient in Concentric and Eccentric Annuli".
- Davis, Brian Richard, Dip. Chem. Eng. (Loughborough College of Technology), England Chemical Engineering  
Thesis: "Isomerisation of Cyclopropane in a Flow Reactor".
- Denton, John Douglas, B.A. (Cantab), England Mechanical Engineering  
Thesis: "Turbulent Flow in Concentric and Eccentric Annuli".
- Fall, Stewart Temple, B.A.Sc. (Brit. Col.), Cobble Hill Electrical Engineering  
Thesis: "A Multi-Mode Microwave Cavity Resonator".

- Forrest, James Benjamin, B.Sc. (New Brunswick), New Brunswick Civil Engineering**  
Thesis: "Vibrations in Soil with Special Regard to Foundation Design: A Review of Current Theories with Experimental Work in Clay Settlements".
- Harding, Patrick John Ronald, B.A.Sc. (Brit. Col.), Silverton Electrical Engineering**  
Thesis: "A Transistorized Spherical Polarcardiograph".
- Holland, John Henry, B.A.Sc. (Brit. Col.), Vancouver Electrical Engineering**  
Thesis: "A Hybrid-Coupled Tunnel-Diode Amplifier".
- Izard, Arthur John Whitaker, B.Eng. (McGill), Victoria Chemical Engineering**  
Thesis: "The Production of Uniform Sized Drops in Liquid-Liquid Systems".
- Jankulak, Frank Joseph, B.A.Sc. (Brit. Col.), Rutland Physics**  
Thesis: "Calculation of the Energy Relaxation Times of a Two Component Plasma".
- Martinson, Rijo Hans, B.A.Sc. (Brit. Col.), Vancouver Metallurgy**  
Thesis: "Some Aspects of the Yielding and Flow of Lithium Fluoride".
- Mittal, Hari Krishan, B.A. (Punjab), B.A.Sc. (Brit. Col.), India Civil Engineering**  
Thesis: "Effect of Plane Strain on Pore Pressure Parameters".
- Macleod, Donald Graeme Gordon, B.Sc. (Civil Eng.), (Cape Town), Vancouver Civil Engineering**  
Thesis: "Compression of Fibrous Peat".
- Offenberger, Allan Anthony, B.A.Sc. (Brit. Col.), Penticton Physics**  
Thesis: "A Magnetohydrodynamics Study Using an Electromagnetic Shock Tube".
- Parker, Lloyd Edward George, B.Sc. (Queen's), Vancouver Electrical Engineering**  
Thesis: "A Real-Time Analogue Computer for the Estimation of System Dynamics".
- Reddy, Kandula Venkata Subba, B.Sc., M.Sc. (Andhra), India Chemical Engineering**  
Thesis: "Studies in the Spouting of Mixed Particle Size Beds".
- Riml, Otfried Carl, B.Sc. (Manitoba), Manitoba Electrical Engineering**  
Thesis: "Transfer Functions with Flat Magnitude and Flat Delay".
- Salama, Clement Andre Tewfik, B.A.Sc. (Brit. Col.), Vancouver Electrical Engineering**  
Thesis: "The Static and Dynamic Characteristics of Series-Connected Tunnel Diodes and their Applications in Digital Circuits".
- Shimokura, Satoru Howard, B.A.Sc. (Brit. Col.), Vancouver Electrical Engineering**  
Thesis: "A Self-Framing PCM System".
- Suryaprakasham, Kunapuli, B.E. (Annamalai), India Civil Engineering**  
Thesis: "Investigation of Bond in 3/8 inch Diameter Strand for Pretensioned Concrete Members".

#### THE DEGREE OF MASTER OF SCIENCE IN AGRICULTURE

- Charles, Winston Benson, B.S.A. (Brit. Col.), West Indies Horticulture**  
Thesis: "Some Factors Affecting Pollen Viability in a Tomato Breeding Program".
- Freyman, Stanislaw, B.Sc. (Pretoria), Langley Plant Science**  
Thesis: "The Nature of the Genetic Difference in the Coumarin Metabolism of Bitter and Non-Bitter Melilotus alba Desr".
- Jeerapandh, Somsala, B.Sc. (Kasetsart), Thailand Agricultural Economics**  
Thesis: "The Agricultural Extension Methods and Their Applicability to the Underdeveloped Countries: With Special Reference to Southeast Asia".
- Lindsay, Owen Burnett, B.S.A. (Brit. Col.), West Indies Poultry Science**  
Thesis: "Dietary Hypercholesterolemia in Relation to Cholesterol and Fat Absorption in Cockerels".
- Phelps, Ralph Howard, B.S.A. (Brit. Col.), West Indies Plant Science**  
Thesis: "Transformation Studies on Pseudomonas Solanacearum".

#### THE DEGREE OF MASTER OF FORESTRY

- Csizmazia, Joseph, Dip. For. Eng. (Sopron), Vancouver Forestry**  
Thesis: "The Application of Electronic Computers in Forestry, and Forestry Research".
- Horvath, Otto, B.S.F. (Sopron), Vancouver Forestry**  
Thesis: "Contributions to Nesting Ecology of Forest Birds".
- Paszner, Laszlo, B.S.F. (Sopron), Vancouver Forestry**  
Thesis: "The Influence of Fibre Chemical Constituents in Oil-Tempering of Hardboard".

#### THE DEGREE OF MASTER OF BUSINESS ADMINISTRATION

- Ma, Ronald Arab, B.Com. (London), Malaya Business Administration**  
Thesis: "A Review of Price-Level Change and Income Determination Concepts".

#### THE DEGREE OF MASTER OF PHYSICAL EDUCATION

- Johnson, Joseph Robert, B.P.E. (Brit. Col.), Vancouver Physical Education**  
Thesis: "The Development of a Single-Item Test as a Measure of Soccer Skill".
- Moncrieff, John, B.P.E. (Brit. Col.), Australia Physical Education**  
Thesis: "Variations in the Effects of Two Training Methods Upon Work Output".
- Parsons, David Roy, B.P.E. (Brit. Col.), Australia Physical Education**  
Thesis: "Personality Traits of National Representative Swimmers - Canada 1962".
- Winslade, Donald Kenneth, B.P.E. (Brit. Col.), New Westminster Physical Education**  
Thesis: "The Effect of the 8 m.m. Slow Motion Color Film on the Learning of Specific Motor Skills".
- Yarr, Alan David, B.P.E. (Brit. Col.), Vancouver Physical Education**  
Thesis: "The Relationship of Brachial Pulse Wave Measurements to the Performance of Cross Country Runners".

#### THE DEGREE OF MASTER OF EDUCATION

- Calderwood, William Gordon, B.A. (Brit. Col.), Vancouver**
- De Kuiper, Elizabeth, B.A. (Brit. Col.), Aldergrove**
- Dennett, Thomas Turfus, B.A. (Brit. Col.), Vancouver**
- Fast, Lawrence Edgar, B.A. (Saskatchewan), Vancouver**
- Magwood, Ross Dunsmore, B.A. (Saskatchewan), Terrace**
- McIntyre, Peter Rodney, B.A., B.Ed. (Brit. Col.), Nanaimo**
- McKay, Alexander Patrick, B.Com. (Durham), Kamloops**
- McPherson, Hugh James, B.A., B.S.W., B.Ed. (Brit. Col.), Vancouver**
- Paquette, Francis Dobel, B.A. (Brit. Col.), Roberts Creek**
- Shelley, Paul Laurence, B.A. (St. Thomas), B.Ed. (New Brunswick), New Brunswick**
- Vaselenak, Frank Alfred, B.P.E. (Brit. Col.), Steveston**





Mott, Geoffrey Harold, B.Com., Vancouver  
 McDonald, Roderic Kyle, B.Com., West Vancouver  
 Macfarlane, David James, B.Com., Vancouver  
 McGavin, Brian Norman, B.Com., Vancouver  
 McInnes, James Edward, B.Sc., Cranbrook (2)  
 MacLeod, Jack Raymond, B.Sc. (Oregon), West Vancouver  
 Noble, Kenneth Matheson, B.A., Vancouver  
 Patten, Donald Nelson, B.Com., Vancouver  
 Patterson, Alan Noel, B.S.A., Vancouver  
 Pritchard, Colin Arthur Wyndham, B.Com., Vernon  
 Riley, Donald Norman, B.S.A., North Vancouver (2)

(P) Roberts, Darrell Wayne, B.A., Courtenay (2)  
 Robertson, Alexander George, B.Com. (Saskatchewan), Saskatchewan (2)  
 Robertson, John Bethune Larratt, B.A., Vancouver (P)  
 Robertson, Terrence Lockwood, B.A., Vancouver (P)  
 Stewart, William Douglas, B.Com., Victoria (P)  
 Swan, John, B.Com., Vancouver (2)  
 Vamplew, Darragh Martin, B.A. (McGill), Vancouver (P)  
 Welters, Mitchell Frank, B.Com., Vancouver (P)  
 Wong, Big Won (Wayne Gregory), B.Sc., Vancouver (P)  
 Woodley, John Lyle, B.Com., Vancouver (2)  
 Yusep, Elmer Alexander, B.Com., Osoyoos (2)

Joe, Milton Buck, Vancouver (2)  
 Kirker, Gilbert Ernest Mervyn, Trail (2)  
 Lewall, David Bernard, Vancouver (2)  
 Lewis, Vernon Orville, Trinidad (2)  
 Menkes, Harold Albert, Victoria (2)  
 Morrison, Gary Edgar Charles, B.Sc., West Vancouver (2)  
 Moscovitch, Michael David, West Vancouver (2)  
 MacGillivray, Roderick Allan, B.Sc., Nanaimo (2)  
 McIntyre, William Joseph, Lumby (2)  
 McQuillan, Mrs. Loretta Maria, B.A., M.Sc., Vancouver (2)  
 O'Brien, Michael Melbourne, Langley (2)  
 Poppelbaum, Stanley, B.Sc. (McGill), Alberta (2)  
 Perry-Whittingham, Brian David, Victoria (2)  
 Petersen, Gordon William, B.A. (Yale), United States (2)  
 Pratt, Roy Frederick, New Westminster (2)  
 Roberts, Arthur Crayton, B.S. (Roosevelt), Vancouver (2)  
 Rotenberg, Larry Abraham, B.A., Vancouver (2)  
 Schulzer, Michael, M.A., Vancouver (2)  
 Sehdev, Harcharan Singh, B.Pharm. (Panjab), M.A., Vancouver (2)  
 Sehdev, Mrs. Joan, Vancouver (1)  
 Tye, Derek Michael, Vancouver (2)  
 Walton, John Humphrey, Trail (1)  
 Wong, Ronald Ignatius, B.S. (St. Louis Univ.), Jamaica (2)  
 Wrinch, John Hubert, Vancouver (2)

#### THE DEGREE OF BACHELOR OF SCIENCE IN PHARMACY

Cook, David Edwin, Vancouver (2)  
 Fenlon, John Fulton, Ontario (P)  
 Fletcher, Donald Gerald, Vancouver (2)  
 Hoefl, Mrs. Yue Ing, Vancouver (2)  
 James, Jeanette Roberta, New Westminster (P)  
 Jang, Raymond, Vancouver (2)

McInnes, Mrs. Nina Catherine, Cranbrook (1)  
 McIntyre, Ian Murray, B.Sc., Victoria (2)  
 Nevins, Norris Harold, Burnaby (P)  
 Reed, Frances Barbara, Ladysmith (2)  
 Searl, Ralph Oswald, B.Sc., Trinidad (2)

#### THE DEGREE OF DOCTOR OF MEDICINE

Anderson, Frank Hollingdale, North Vancouver (2)  
 Anderson, Lawrence Mark, North Surrey (2)  
 Berno, Ernesto, Trail (2)  
 Blair, Terry Allan, Vancouver (2)  
 Boulton, Basil Cartwright, Gabriola Island (2)  
 Brammall, Rodney Oliver, Vancouver (2)  
 Brown, Patrick McCallum, B.A., Lac La Hache (2)  
 Bus, Mihaly, New Westminster (2)  
 Cameron, Eugene Cuthbert, Vancouver (2)  
 Chen, Mrs. Patricia Phyllis, B.Sc., Vancouver (2)  
 Davidson, Alexander George Fagens, B.Sc., Vancouver (2)  
 Drayton, Robert Michael, West Vancouver (2)

Dubé, William James, Vancouver (2)  
 Durity, Felix Augustus Albert, B.A., Trinidad (2)  
 Earl, Lorna Kay, B.Sc., North Vancouver (2)  
 Elliot, Eleanor Kathleen, Vancouver (2)  
 Emery, Arnold William, B.A., Vancouver (2)  
 Fink, Stanley Morton, B.Sc. (McGill), Quebec (2)  
 Groves, Alan Clugston, Vancouver (2)  
 Hamm, Rudy William, Vancouver (2)  
 Harmon, Thomas Peter, B.Sc., Vancouver (2)  
 Hassan, Mervyn Leslie, B.S.P., Vancouver (2)  
 Hill, Donald Edward, Vancouver (2)  
 Horton, Thomas Bevan, Vancouver (2)  
 Huggett, Elizabeth Ina, B.A., New Westminster (2)

Andrew, Alexander Edward, Alberta (P)  
 Bengough, Charles Cyril, Roberts Creek (2)  
 Boothroyd, Graham Edward, Victoria (2)  
 Campbell, Joseph Roger, Vancouver (2)  
 Frood, Donald Gerald, New Westminster (2)  
 Grey, Robert Kenneth, Alberta (2)  
 Harris, Donald Arthur Charles, Vancouver (2)  
 Ingram, Kenneth John, Vancouver (2)  
 Jacques, Donald Charles, New Westminster (2)  
 Jarvis, Wayne Ralph, West Vancouver (2)  
 Jones, George David, Richmond (2)  
 Kempston, Marvin James, Rossland (2)  
 Kerbes, Eldon Leroy, Alberta (2)  
 Kowall, Ronald Charles, Natal (2)  
 Marritt, John Stafford, Alberta (2)  
 Mattice, Edward Raymond, West Vancouver (2)  
 Muir, John Alexander, Victoria (2)  
 Nicholson, Jefferson John Mathew, Burns Lake (2)  
 Nielsen, Gary Pihl, Port Moody (2)  
 Pitman, Herman Hedley, Vancouver (P)  
 Robinson, Brian Arthur, Vancouver (2)  
 Skocylas, William, Vancouver (2)  
 Truant, Richard Antony Innocente, Trail (2)  
 Willett, Stephen Victor Harold, Kelowna (2)  
 Worrall, John Gatland, Vernon (1)  
 Yano, Hiroshi, Hope (2)

#### THE DEGREE OF BACHELOR OF COMMERCE

Adams, George Robert, Vancouver (2)  
 Allan, Keith Broughton, West Vancouver (C)  
 Anderson, William Michael, Haney (P)  
 Ando, Eddie Kimiaki, Merritt (2)  
 Anthony, Richard David, Vancouver (2)  
 Atkinson, Robert George, Vancouver (2)  
 Barker, Charles David, Vancouver (P)  
 Bates, Ronald William, Vancouver (P)  
 Beatson, Donald, Richmond (2)  
 Beckmann, Robert Paul, New Westminster (C)  
 Bickell, Robert Leslie, United States (2)  
 Bolton, Lorne Russell, Victoria (2)  
 Bonar, William Lee, Vancouver (P)  
 Boytinck, Walter Jurgen Wolfram, Alberta (C)  
 Brown, Donald Alexander, Vancouver (2)  
 Burgess, William Lloyd, White Rock (2)  
 Chang, Ian Wellesley, Vancouver (2)

Charlesworth, John Alexander, Vancouver (2)  
 Clark, Donald Fergus, Vancouver (2)  
 Cleland, Wayne Garfield, Vancouver (2)  
 Climie, William Austin, Vancouver (2)  
 Collett, Wayne Neville, Grand Forks (2)  
 Davidson, Robert Murray, Vancouver (P)  
 Davies, Michael Bruce Cook, Vancouver (C)  
 Deyell, Gerald Michael, Vancouver (2)  
 Dickinson, Daryl Vernon, Vancouver (2)  
 Dobson, Edward Lawrence, North Vancouver (2)  
 Dogterom, George Charles, Alberta (2)  
 Edge, Allen Leslie, New Westminster (2)  
 Edwards, Lawrence Walter, North Vancouver (2)  
 Estergaard, Eyler Frank, North Vancouver (2)  
 Fitzsimmons, Thomas Russell, Victoria (2)  
 Forsyth, David Robert, Burnaby (2)  
 Franks, Norman Eugene, Vancouver (P)  
 Fullerton, James Stuart, Vancouver (P)  
 Gorick, Paul Charles, Vancouver (C)  
 Grant, Barry Michael, South Burnaby (2)  
 Graves, Gary Allen, Vancouver (2)  
 Grodzicki, Charles Julian, Vancouver (P)  
 Gushue, Edward William, Vancouver (2)  
 Hansen, Christian, Burnaby (C)  
 Harrison, Horace Wayne Ridgeway, Texada Island (2)  
 Hastings, Francis Joseph, Burnaby (2)  
 Hauschka, Edgar Arnold, Vancouver (2)  
 Hodgin, Arthur John, Vancouver (P)  
 Holmes, Ronald Raymond, Vancouver (C)  
 Howes, Peter Joseph, Vancouver (P)  
 Hutchison, James Alexander, Alberta (P)  
 Jebson, Douglas, South Burnaby (C)  
 Johncox, Gary Herbert, West Vancouver (2)  
 Keller, Robert Ernst, West Vancouver (2)  
 Kepper, John Edward, Manitoba (2)  
 Kerr, Robert Murray, Vancouver (P)  
 Kosich, Michael Milan, Nanaimo (P)  
 Kwan, Sherman, Vancouver (P)  
 Leavitt, Donald Harvard, Vancouver (1)  
 Lee, Kenneth Tong, Vancouver (P)  
 Lee, Robert Gee Keong, Victoria (P)  
 Leith, Murray Victor, Vancouver (2)  
 Lindsay, Gordon Keith, Vancouver (2)  
 Low, Richard Thomas Albert, Prince George (C)  
 Lutes, John Worden, Alberta (C)

Lyle, Julian Frederick, Vancouver (2)  
 Marley, Paul Blandford, Vancouver (P)  
 Martin, Ross Lloyd, Vancouver (1)  
 Meikle, Basil Maurice, Kelowna (2)  
 Moir, Brian Michael, Kelowna (2)  
 Montgomery, Charles Cliff, Vancouver (1)  
 Mundie, Richard Alan, West Vancouver (2)  
 Murphy, John Daniel, Cloverdale (2)  
 McElroy, Robert Duke, South Burnaby (2)  
 McKinnon, Kenneth Stuart, Prince Rupert (P)  
 McManus, Michael Bert, North Vancouver (2)  
 North, Rudolph Edward, Vancouver (2)  
 Oddy, Norman Richard, Vancouver (C)  
 Osler, Hugh Farquharson, Alberta (2)  
 Overholt, Michael John, Vancouver (2)  
 Oye, Robert Nobuaki, Steveston (2)  
 Phillips, Gordon Lawrence, Vancouver (C)  
 Pierrot, Edward Roland, West Vancouver (C)  
 Radford, Thomas Paul, Vancouver (2)  
 Rae, Kenneth St. John, England (P)  
 Randall, William Asquith, Vancouver (2)  
 Riedl, William Ralph, Vancouver (2)  
 Rownyj, Edward William, Alberta (2)  
 Roy, Richard Rouér, Victoria (P)  
 Rudd, Richard William, North Surrey (2)  
 Runzer, William Andrew, Kelowna (P)  
 Rutledge, Eric Burnett, Vancouver (C)  
 Scadding, John Leslie, Victoria (1)  
 Scarlett, William John Charles, West Vancouver (2)  
 Scott, Gordon Keith, Richmond (2)  
 Shortt, Morley Dufferin, Dawson Creek (C)  
 Simpson, Gordon George, North Vancouver (2)  
 Siska, Thomas James, Grand Forks (2)  
 Stasuk, Richard Brian, Nanaimo (2)  
 Stead, Humphrey Gilbert Stephen, B.A. (Royal Military College), Cobble Hill (2)  
 Stenzel, Rudolph Edward, Salmo (P)  
 Stewart, Earl Gordon, New Westminster (2)  
 Stobbs, Kenneth George, Vancouver (P)  
 Stone, Ronald Alfred, Trail (2)  
 Tenning, Hildegard, Osoyoos (2)  
 Thompson, John Woodburn, Vancouver (P)  
 Thompson, Thomas Brent, Alberta (P)  
 Wainwright, James Herbert, Vancouver (P)  
 Wallis, Edwin Pete, Kimberley (P)  
 Watson, Keith Stewart, Vancouver (2)  
 Watts, Glendon Gordon, Vancouver (P)

Watts, Patricia Mary, West Vancouver (2)  
 Wedley, William Charles, North Vancouver (2)  
 Weir, Gary Robert, South Burnaby (2)  
 Wiginton, Russell George, North Vancouver (2)  
 Wilson, David Keith, West Vancouver (P)  
 Winchell, James Sterling, England (P)  
 Wine, Brian Donald, Vancouver (C)  
 Wood, William Fordham Johnson, Vancouver (2)  
 Young, Bruce Murray, Ontario (2)

## THE DEGREE OF BACHELOR OF EDUCATION

### PROGRAMME FOR STUDENTS WITH OTHER DEGREES

Brown, Harold MacBeth, B.A., North Vancouver (2)  
 Cribb, Reginald Stephen, B.A., New Westminster (2)  
 Dawson, Donald Millard, B.A., North Burnaby (2)  
 Dey, William George, B.A., Vancouver (P)  
 Gourlay, John, B.A., Ladysmith (2)  
 Martini, Mrs. Florence Elizabeth, M.A. (Edin.), Blind Bay (2)  
 Matte, Theodore Joseph, B.A., Kelowna (2)  
 Schultz, Menno Arthur Simon, B.A., Vancouver (2)  
 Thompson, Mrs. Natalie Louise, B.A., Vancouver (2)  
 Thomson, Arthur McKim, B.A. (Alberta), Vancouver (2)

### SECONDARY FIELD

Bengough, Barbara Anne, Vancouver (2)  
 Benvin, Armido Nicholas, Alberni (P)  
 Birtch, William Aubrey, Terrace (2)  
 Brown, Mrs. Annie Rebecca, South Burnaby (2)  
 Brown, Gordon Edward, Trail (2)  
 Carson, Alan Bradley, Abbotsford (2)  
 Clare, Gerald Royle, Port Coquitlam (2)  
 Close, Erling Robert, Richmond (2)  
 Colledge, Ernest Lloyd, Kimberley (2)  
 Coon, Marion Elizabeth Lillian, Rossland (2)  
 Dodds, Murray Wayne, Kitimat (2)  
 Doerksen, Helmut Heinrich, Abbotsford (2)  
 Erickson, Herbert Ronald, Vancouver (2)  
 Estereicher, John, Vancouver (2)  
 Fischer, Emil, Abbotsford (2)  
 Freudenstein, Rose Marie, Vancouver (2)  
 Goard, Dean Sinclair, Vancouver (2)  
 Gough, Donald, Prince George (P)  
 Grauer, Pauline Esther, Vancouver (1)  
 Harley, Frank Edward Lewis, Vancouver (2)  
 Harris, Harry, Courtenay (P)  
 Heinrich, Augusta, White Rock (P)  
 Hiebert, Heinrich Harold, Clearbrook (2)  
 Hoadley, Norman Bruce, South Burnaby (2)  
 Holland, Wayne Henry, Vancouver (P)  
 Hutchings, Arthur Thomas David, Ocean Falls (2)  
 Ingram, William Kenneth, Fernie (2)  
 Irving, Robert David, Vancouver (2)  
 Irwin, Robert Richard, Agassiz (2)  
 James, John Kenneth, North Vancouver (2)  
 Jang, Sew Lang (Eileen), Vancouver (2)  
 Jeffery, John Terrance, Haney (2)  
 Jickling, James Thomas, West Vancouver (2)  
 Johnson, Albert Arthur Thomas, Vancouver (2)  
 Jones, Richard, Kamloops (2)  
 Jorgenson, Walter Donald, Vancouver (2)  
 Kavic, Bernice Lillian, Castlegar (2)  
 Koerber, Klara, Duncan (2)  
 Kring, Gordon Richard, White Rock (2)  
 Krutow, Mrs. Joyce, North Surrey (2)  
 Lange, Karin Hedda, Vancouver (2)  
 Leslie, Edgar Thomas, Vancouver (2)  
 Loch, Wilfred Henry, Vancouver (2)  
 Mather, David Lynn, Victoria (2)  
 Meger, Joan Anita, Vernon (2)  
 Miller, Terrance Bruce, Port Alberni (2)  
 McLaren, Milton, Vancouver (1)  
 Macdonald, Bruce Francis, Vancouver (2)  
 McLaren, Jane Elizabeth, New Westminster (2)



**Programme of Ceremony**  
**Friday, May thirty-first**

**O CANADA**

**INVOCATION**  
by the **VERY REVEREND E. GARVEY**

**MUSICAL PROGRAMME**

FRIDAY, MAY 31st, 1963

**Offertorio**

(Sonata per organo e cimbalo) - D. Zipoli  
Allegro Vivace (from Sonata) - G. Sammartini  
Bergamasca (Fiori Musicali) - G. Frescobaldi  
Echo Fantasie in the  
Dorian Mode - - - - J. P. Sweelinck  
Concerto V. - - - - G. P. Telemann  
Fantasie in F - - - - W. A. Mozart  
Concerto in B flat major - - - G. F. Handel  
Fanfare - - - - Francis Jackson

Fanfare - - - - C. S. Lang  
Voluntary No. 3 - - - - John Travers  
Toccata - - - - William Walond

Professor Leslie G. R. Crouch  
Organist

**REMARKS**  
by **PHYLLIS GREGORY Ross**  
Chancellor of the University of British Columbia

**CONFERRING OF AN HONORARY DEGREE**  
by the Chancellor

**THE DEGREE OF DOCTOR OF LETTERS**  
H. NORTHROP FRYE

**INTRODUCTION OF THE CONGREGATION SPEAKER**  
by **JOHN B. MACDONALD**  
President of the University of British Columbia

**CONGREGATION ADDRESS**  
by **DR. H. NORTHROP FRYE**

**CONFERRING OF DEGREES IN COURSE**  
by the Chancellor

**PRESENTATION OF**  
**THE GOVERNOR GENERAL'S MEDAL**

**GOD SAVE THE QUEEN**

Reception in the Brock Hall

# THE UNIVERSITY OF BRITISH COLUMBIA

## THE DEGREE OF DOCTOR OF PHILOSOPHY

- Chaturvedi, Ram Prakash, B.Sc., M.Sc. (Agra), India Physics  
Thesis: "The Decay of Sb<sup>125</sup>, Sn<sup>113</sup> and Ba<sup>139".</sup>
- Cormack, George Douglas, B.A.Sc., M.Sc. (Brit. Col.), Vancouver Physics  
Thesis: "Investigations on Plasmas Produced in Electromagnetic Shock Tubes".
- Eales, John Geoffrey, B.A. (Oxon.), M.Sc. (Brit. Col.), England Zoology  
Thesis: "An Analysis of the Thyroid Role in Juvenile Steelhead (*Salmo gairdneri* Richardson) and Factors Responsible for its Seasonal Fluctuation in Activity".
- Guccione, Rosalia Giuseppina, Laurea (Palermo), M.Sc. (Brit. Col.), Italy Physics  
Thesis: "Magnetic Space Groups".
- Hahn, Edmund Alexander Joachim, B.A.Sc., M.A.Sc. (Brit. Col.), Vancouver Metallurgy  
Thesis: "Kinetics of Copper Reduction by Hydrogen From Aqueous Solutions".
- Harkness, Alan Chisholm, B.A., M.Sc. (Brit. Col.), Victoria Chemistry  
Thesis: "Kinetics of Some Oxidation-Reduction Reactions in Aqueous Solutions".
- Jones, Edward Peter, B.A.Sc., M.Sc. (Brit. Col.), Trail Physics  
Thesis: "Nuclear Magnetic Resonance in Single Crystals of Tin and Aluminum".
- Klein, David Robert, B.S. (Connecticut), M.S. (Alaska), Alaska Zoology  
Thesis: "Physiological Response of Deer on Ranges of Varying Quality".
- Lee, Donald Garry, B.A. (Sask.), M.Sc. (Sask.), Saskatchewan Chemistry  
Thesis: "Mechanism of the Chromic Acid Oxidation of Alcohols".
- Mansinha, Lalatendu, B.Sc., M.Tech. (Indian Institute of Technology), India Physics  
Thesis: "Radiation from Tensile Fractures".
- McInerney, John Edward, B.Sc. (Ottawa), M.Sc. (Brit. Col.), Ontario Zoology  
Thesis: "Salinity Preference - An Orientation Mechanism in Salmon Migration".
- Nishikawa, Kyoji, B.Sc., M.Sc. (Univ. of Tokyo), Japan Physics  
Thesis: "Theory of the Phonon Broadening of Impurity Spectral Lines".
- O'Donnell, Joseph Patrick, B.Sc. (Alberta), M.Sc. (Brit. Col.), Agassiz Chemistry  
Thesis: "The H-Function and the Acidity of Aromatic Amines".
- Robertson, Lyle Purmal, B.A., M.A. (Brit. Col.), Victoria Physics  
Thesis: "The Photodisintegration of He<sup>3</sup>".
- Rupaal, Ajit Singh, B.Sc., M.Sc. (Panjab), India Physics  
Thesis: "Experimental Studies of B<sup>10</sup>(d,n α)C<sup>11".</sup>
- Sadana, Yoginder Nath, B.Sc., M.Sc. (Agra), India Chemistry  
Thesis: "Chromium Tetrafluoride and Related Compounds".
- Smith, Richard Barry, B.S.F. (Brit. Col.), M.F. (Yale), Vernon Biology and Botany  
Thesis: "Edaphic Aspects of an Ecological Classification of the Interior Western Hemlock Dry Subzone Forests of British Columbia".
- Srivastava, Surat Prasad, B.Sc. (Hons.), M.Tech. (Indian Institute of Technology), India Physics  
Thesis: "An Investigation of the Magnetotelluric Method for Determining Sub-surface Resistivities".

Tusko, Frank Ferenc, Dip. For. Eng. (Sopron), Cand. Biological Sciences (Budapest), Vancouver Biology and Botany  
Thesis: "A Study of Variability in Certain Douglas-Fir Populations in British Columbia".

Voigt, Eva Marie, B.Sc., M.Sc. (McMaster), Ontario Chemistry  
Thesis: "Double Charge Transfer Absorption In Solution".

## THE DEGREE OF MASTER OF ARTS

- Bofah, Robert Kwaku Buor, B.A. (London), Ghana Community and Regional Planning  
Thesis: "Integration of Community Development with Community and Regional Planning".
- Botta, Earle Peter, B.A. (Brit. Col.), Simoom Sound Mathematics  
Thesis: "The Group Ring for S<sub>n</sub>".
- Brockhaus, Ernst Rudolf Henrich, B.A. (Brit. Col.), Vancouver German  
Thesis: "Ethische Werte Bei Storm. Was tritt an die Stelle einer gottbezogenen Sittlichkeit?".
- Crawford, Margaret Ruth, B.A., B.Ed. (Alberta), Vancouver Education  
Thesis: "A Study of Some Psycho-Sociological Factors Influencing the Occupational Interests of High School Girls".
- Cullis, Harry Ernest, B.Sc., Dip. in Educ. (Durham), West Vancouver Education  
Thesis: "A Study of the Acceleration Programme at West Vancouver Senior High School".
- Davey, Frankland Wilmot, B.A. (Brit. Col.), Abbotsford English  
Thesis: "Bridge Force: poems with an introduction".
- de Jong, Johan Anton van Zyll, B.A. (Brit. Col.), Vancouver Community and Regional Planning  
Thesis: "Neighbourliness and Fringe Location".
- Faget, Gilles Georges, B.Ed. (Alberta), Vancouver Romance Studies  
Thesis: "Le Communisme dans l'oeuvre de Malraux".
- Fitzpatrick, Gerald William, B.A. (Toronto), Vancouver Community and Regional Planning  
Thesis: "Towards a Positive Local Government Policy for Residential Rehabilitation".
- Gibbs, Peter Edwin, B.Sc. (Leicester), England Zoology  
Thesis: "The Functional Morphology and Ecology of the Spatangoid Genus *Brisaster Gray*".
- Grants, Arvid John, B.A. (Brit. Col.), Vancouver Fine Arts  
Thesis: "Abstraction in Art".
- Harwood-Barnes, Geoffrey Arthur, B.A. (McGill), Montreal Community and Regional Planning  
Thesis: "Pedestrian Precincts in the City's Central Retail Area".
- Hawkey, Thora Elizabeth, B.A. (Brit. Col.), Creston Anthropology and Sociology  
Thesis: "Conflict and Compromise in a Japanese Village".
- Henderson, John Robert, B.A. (Brit. Col.), Vancouver Mathematics  
Thesis: "Direct Chebyshev Approximation".
- Iverson, Mrs. Anne Marie Agnes, B.A. (Brit. Col.), Ottawa Romance Studies  
Thesis: "Proust et Mandel'shtam à la Recherche du Temps Perdu".
- Kennedy, Margaret Josephine, B.A. (Brit. Col.), Vancouver Psychology  
Thesis: "Changes in Prevalence and Retention of Patients in Canadian Psychiatric Institutions 1955-1960".





## THE DEGREE OF BACHELOR OF ARTS

### HONOURS PROGRAMME

Beresford, Edith Diana, Naimo	Second Class Honours In Psychology
Clee, David Glyndwr, Osoyoos	Second Class Honours In English Literature and Language
Crooker, Mervyn John Arthur, Vancouver	Second Class Honours in Fine Arts
Dakin, Teddy Cameron, Cloverdale	Second Class Honours in Applied Mathematics
Diewert, Walter Erwin, Vancouver	First Class Honours in Mathematics
Duncan, Norman James, Vancouver	Second Class Honours In Psychology
Farquhar, Michael Ernest, Victoria	Second Class Honours in International Studies and History
Fosdick, Sidney Ronald Owen Garry, Vancouver	First Class Honours in Asian Studies
Gardy, Terry Tyrone, Vancouver	Second Class Honours in Psychology
Haskins, Lynda Elizabeth, Vancouver	Second Class Honours in English Literature and Language
Hatch, Ronald Barry, Vancouver	First Class Double Honours in English Literature and Language and Philosophy
Hodgins, Cyril David, Vancouver	Second Class Honours in Economics
Hutchings, John Edward, Vancouver	Second Class Honours in Mathematics
Kadarkay, Arpad Andrew, Burnaby	Second Class Honours in Political Science
Kubo, Richard Hidehiko, Vancouver	Second Class Honours in Psychology
Laird, Robert Glen, Vancouver	First Class Honours in English Literature and Language
Lapeyre, Julie Anne Hélène, Kelowna	First Class Honours in English Literature and Language
Leask, Peter Drayson, Vancouver	First Class Honours in International Studies and History
Lopez Saiz, José Maria, Vancouver	First Class Honours in Romance Studies
Lunn, Forrest Alan, North Vancouver	First Class Honours in Philosophy
Martin, Peter Temple, Naimo	Second Class Honours in English Literature and Language
Maurice, Evelyn Grace, Victoria	Second Class Honours in International Studies and History
Morgan, Hubert Eric, Quesnel	Second Class Honours In English Literature and Language
MacDonald, William Edgar, Vancouver	Second Class Honours In International Studies
MacKenzie, Nollaig, Duncan	First Class Honours In Philosophy

McNeill, John Martin, North Vancouver

Neilson, John Roy Garfield, West Vancouver

Nelson, Margaret Valerie, New Westminster

Neufeld, Eugene Triven, Fort St. John

O'Day, Rory, North Vancouver

Pollock, Duncan Lachlan, Vancouver

Read, James Edward, Abbotsford

Rice, Gretchen Jean, Trail

Richardson, Judith Anne, Cobble Hill

Roberts, Miriam Ann, Trail

Scarf, Brian Leslie, Vancouver

Shrimpton, Gordon Spencer, Victoria

Sjerve, Denis Karmen, Vancouver

Snoek, Nicholas Peter, Pitt Meadows

Stevenson, Robert William, Vancouver

Toporoski, Richard Michael, Vancouver

Weissenborn, Georg Kurt, Vancouver

Wright, Mrs. Johanne Lisette, Ontario

Second Class Honours in Philosophy  
Second Class Honours in Political Science

Second Class Honours in English Literature and Language  
Second Class Honours in Philosophy

First Class Honours in Psychology  
Second Class Honours in French

Second Class Honours in English Literature and Language and Economics  
Second Class Honours in French

Second Class Honours in English Literature and Language  
Second Class Honours in English Literature and Language

First Class Honours in Economics  
First Class Honours in Greek

First Class Honours in Mathematics  
Second Class Honours in English Literature and Language

Second Class Honours in Political Science  
First Class Honours in Latin

First Class Honours in German  
Second Class Honours in Geography

## THE DEGREE OF BACHELOR OF ARTS

### GENERAL COURSE

Addison, William Robert Irwin, Vancouver (P) Brigham, James Albert, Burnaby (2)  
Aicken, Allen John, Ruskin (P) Brogan, Wayne Alexander, Osoyoos (P)  
Allan, John Alexander Bonnell, Vancouver (2) Bronson, Madeline, Vancouver (2)  
Allgaier, Johannes, Vancouver (2) Brooke, Edward Cecil, Vancouver (2)  
Amer, Sharon Barbara, Burnaby (2) Brown, William Robert, Vancouver (P)  
Anderson, Bernard Reed, Vancouver (2) Buckham, William Floyd, Vancouver (P)  
Andrews, Allen Robert Ernest, Vancouver (2) Buller, Erich, North Vancouver (P)  
Anglin, Penelope Joan, Vancouver (2) Burdak, Karl Frederick, Dawson Creek (P)  
Anton, John Nels Percival, Mission City (2) Calbick, Ian MacKinnon, New Westminster (2)  
Appleyard, Laura Corinne, Yukon (P) Callow, Roger William, Vancouver (P)  
Argue, Allan Ross, Vancouver (P) Cameron, Anne Maureen, Chilliwack (2)  
Atkinson, Joanne Elizabeth, Vancouver (2) Cameron, David Robertson, Vancouver (2)  
Bahr, Robert David, North Vancouver (2) Cameron, Mrs. Mary Anne Katherine, Vancouver (P)  
Bain, Roderick Anthony, Kelowna (2) Camp, Robert George, Vancouver (2)  
Baldwin, Susan Ann, West Vancouver (2) Campbell, John Alexander, Vancouver (P)  
Barcham, Donald William Priestly, Ontario (2) Cannon, Robert Dennison, Abbotsford (P)  
Barltrop, Mrs. Mary, South Burnaby (P) Carlson, Gail Ginger, North Vancouver (2)  
Barnes, Ernest Roy, Vancouver (2) Carlson, Lawrence Melvin, North Burnaby (2)  
Barton, Susan Elizabeth, North Vancouver (2) Carney, Maureen Gaye, Vancouver (P)  
Bater, James Harvey, Vancouver (1) Cernetic, Dragan Marijan, Vancouver (2)  
Baxter, Peter, Parksville (P) Chan, Florence Gertrude, Vancouver (2)  
Beattie, Carol Dawn, Nelson (2) Chard, Margaret Joan, Vancouver (2)  
Becker, Susan Carol, Vancouver (2) Chen-Wing, John Michael, West Vancouver (2)  
Belfont, Bryan Gerald, England (P) Chiasson, Edward Charles, Vancouver (2)  
Belix, Austin Kenneth, Trinidad (2) Chilton, Mrs. Jillian Deirdre, South Burnaby (2)  
Bennett, Barbara Ann Gordon, Toronto (P) Choy, Wayson, Vancouver (2)  
Bennion, John Roger, Vancouver (2) Colebrook, Gregory Armour, Haney (2)  
Bentley, Byron David, Vancouver (P) Cooper, Patricia Mabel, Victoria (2)  
Bercha, Frank Gerald Anthony, United States (2) Cowan, Elta Jane, Vancouver (1)  
Bernard, Peter Goodwin, West Vancouver (P) Cowell, Juanita Cooke, West Vancouver (2)  
Berner, Sargent Harris, Vancouver (2) Crawford, Anne Stewart, Alberta (2)  
Berniolles, Louis-Maurice, Vancouver (2) Croker, Muriel Kathleen, New Westminster (2)  
Bernius, Gordon Roy, B.A. (Colorado), United States (2) Crosby, Brian James, New Westminster (P)  
Betcher, William James, Chapman Camp (2) Dallamore, Janet Lucie, New Westminster (2)  
Birch, Daniel Richard, New Westminster (2) D'Aquino, Santo Thomas, Vancouver (2)  
Bishop, Percy Roy Gladstone, Trinidad (P) Davies, Gordon Herbert, Prince George (P)  
Bjornson, Bjorn Harold, Vancouver (P) Dawson, David Anthony, Vancouver (2)  
Blums, Anita, Vancouver (P) Dayson, Shirley Anne, Vancouver (2)  
Boas, Mrs. Barbara Ann, Vancouver (P) Dick, Robert Martin, Vernon (P)  
Bogren, Lyle Ross, North Surrey (2) Dingle, Susan Black, Vancouver (P)  
Bourne, Alden Margaret, West Vancouver (2) Dobb, Theodore Cameron, Vancouver (P)

Dubberley, Robert Edward, Vancouver (2) Grant, Jean Gregory, Quebec (2)  
Dubois-Phillips, Richard Edward, Vancouver (2) Grant, John Forrest, Victoria (P)  
Durham, Allen Halvar, Vancouver (2) Grant, Louise Gundry, Vancouver (1)  
du Temple, Wallace George, Sidney (2) Grant, Virginia Cummings, Victoria (P)  
Edelstein, Verona Marie, Alberta (2) Grenby, Michael Ian, North Vancouver (2)  
Edwards, Kenneth Livingston, Vancouver (P) Griffiths, Peter David Lloyd, Vancouver (2)  
Elliot, Janet Anne, Vancouver (P) Grimmer, Dennis McLean, New Westminster (P)  
Elliott, Jane Leith, Vancouver (P) Guenther, Allen Robert, Alberta (2)  
Ellis, David James, Nanaimo (P) Haffenden, Leonard Alan, Vancouver (2)  
Eng, Lily Ying Chue, Vancouver (2) Hainstock, Robert Lee, Vancouver (2)  
Ewert, John Donald, Vancouver (P) Halowski, Boris, Burnaby (2)  
Farrell, Janice, Vancouver (2) Hansen, Joan Gertrude, Vancouver (2)  
Feilding, Geoffrey Truslow David, Ontario (P) Harlow, Mary Diane, United States (1)  
Feimann, Anthony Victor, Vancouver (P) Harris, David Gordon, Ladner (2)  
Feimann, Victor Erwin, Vancouver (1) Harris, Frederick John, Quebec (2)  
Finnigan, Brian Winston, Haney (2) Harrison, Susan Margaret, Vancouver (P)  
Fitzpatrick, Sheila Anne Evelyn, Vancouver (P) Hartley, Allan William, Vancouver (2)  
Fletcher, Thomas Dugald Alasdair, United States (2) Harvey, Edward Franklin Burns, Victoria (2)  
Flynn, Patricia Eleanor, Vancouver (2) Heuser, Monica, West Vancouver (2)  
Foggin, Peter Michael, Vancouver (2) Hewison, Timothy John Stewart, Burnaby (2)  
Forst, Corrinne Alexis Jeryll, West Vancouver (P) Hirota, Theodore Teruyuki, Steveston (2)  
Fraleigh, Patrick Wayne, Vancouver (1) Hirst, James Leigh, Duncan (2)  
Frame, Gary Andrew, North Vancouver (2) Hogan, Isabelle Ruth, Vancouver (P)  
Fraser, Herbert Patrick Grant, North Vancouver (2) Horswill, William John, Nelson (2)  
Fulton, Judy Valerie, Burnaby (2) Howard, Martin Douglas, Kamloops (2)  
Gairns, Sylvia Marjory Phyllis, Agassiz (2) Howard, Neil, Vancouver (2)  
Gardiner, Donald Neil, North Vancouver (2) Hunter, Alfred Alexander, Prince Rupert (2)  
Gardiner, Marion Carole, West Vancouver (2) Hunter, Michael William, Burnaby (2)  
Garfinkel, Stanley, Vancouver (P) Husband, Victoria Helen, Victoria (2)  
Garrard, Clifford Ernest, Vancouver (2) Inglis, Ernest William Campbell, Nanaimo (2)  
Gavin, Diane Jill, Ontario (2) Irving, Maureen Ann, Vancouver (2)  
Geddes, John Van Ward, Vancouver (2) Johannson, Wendy Elin, Vancouver (2)  
Gerow, Inez Mary, New Westminster (P) Johnson, Christine Vorna, Steveston (2)  
Ghert, Marlene Gwendolyn, Alberta (2) Kahn, Marcia Carolyn, Vancouver (2)  
Gifford, Martin Nelson, New Westminster (2) Keefe, Terrance David, Castlegar (P)  
Gilley, Robert Keith, Vancouver (2) Kerr, Mary Catherine Lorraine, Vancouver (2)  
Girard, Raphael Arthur, Vancouver (2) Kinnis, Claire Winifred, Vancouver (2)  
Gobis, Romuald, North Burnaby (P) Kirby, Margaret Anne, Vancouver (P)  
Godø, Akiko, Lillooet (2) Klassen, Robert John, Kelowna (P)  
Gordon, Margaret, Vancouver (2) Knapp, Wesley Trueman, Richmond (2)  
Gorman, Linda Isabelle Gleda, Alberta (P) Knight, Laurence Cedric, Vancouver (P)  
Gould, Shirley Pauline, Vancouver (2) Kosydar, Richard Valdy, Ontario (2)  
Grandison, Clifford Allan, Ontario (2) Kukowski, Ronald Harry, Alberta (P)  
Grant, Barbara Joan, Abbotsford (2) Ladner, Edna Clair, Burnaby (2)  
Boyce, Ronald Cameron, Vancouver (2) Laljee, Victor Rudhal, Trinidad (P)  
Laube, Walter Heinrich, Nanaimo (2)

Leaf, Lawrence Arthur, Vancouver  
 Legge, Brian Maurice, Vancouver  
 Lemiski, Michael Myron, Vernon  
 Levin, Michael David, Manitoba  
 Levitt, Kenneth Leslie, Vancouver  
 Loo, See Ming Stephen, Hong Kong  
 Louie, Joanne Gay, Vancouver  
 Lucas, Victor, Vancouver  
 Luitjens, Jacob, Vancouver  
 Lukas, Marjorie Gay, Richmond  
 Luth, Dietrich, Vancouver  
 Lyons, Laurence Joseph, Dawson Creek  
 Lyons, Robin Ray, Cranbrook  
 Magee, Mary-Lee, Burnaby  
 Maharajh, Peter Sonnylal, Trinidad  
 Maitland-Carter, Mrs. Grace, Vancouver  
 Markin, Robert Ronald, Vancouver  
 Markle, Dianne Vincen, West Vancouver  
 Marlor, Lloyd, Burnaby  
 Matt, Lester Arthur Leroy, Vancouver  
 Millar, John Dewar, West Vancouver  
 Miller, George Carr, Hope  
 Millette, John Ambrose Irvin, Trinidad  
 Milligan, John Stevenson, Vancouver  
 Milrose, Sharon Susanne, Vancouver  
 Mitchell, Dawna Louise, Vancouver  
 Mitchell, Lynda Gertrude, Trail  
 Miyagawa, Toshiko, Vancouver  
 Miyauchi, Judy Shigeko, Alberta  
 Molyneux, Geoffrey Thomas, Langley  
 Morgan, Richard Dennis, Vancouver  
 Morrison, Elizabeth Laurie, Vancouver  
 Moy, Willington Walter, Vancouver  
 Murakami, Katsuhide Richard,  
     Saltspring Island  
 Murphy, Timothy Maurice, Vancouver  
 McDermott, Brian L., Vancouver  
 Macdonald, Brock Douglas,  
     West Vancouver  
 McDonald, Heather-Ann, West Vancouver  
 Macdonald, Jeannie Patricia,  
     West Vancouver  
 MacDonald, Sharon Dawn, Vancouver  
 McDonell, Joan Kathleen, Vancouver  
 McDonnell, Roger Francis, Vancouver  
 McFarlane, Marjorie Fern, Naramata  
 McGeachy, Lynne Kathryne, Burnaby  
 McIntyre, Ruth Anne, Chilliwack

(2) McKay, James William Gerard,  
     North Vancouver (2)  
 (2) McKinnon, Donald Senkler, Vancouver (P)  
 (1) McKinnon, Sharon Frances, Chilliwack (2)  
 (2) Maclean, Catherine May, Alberta (2)  
 (2) McLeish, David, Saskatchewan (2)  
 (P) McRae, John Donald, West Vancouver (P)  
 (P) McVittie, Teresa Ann, Vancouver (P)  
 (2) Neufeld, Heinrich, West Vancouver (2)  
 (2) Norman, David Mitchell, North Vancouver (2)  
 (2) Norton, Mrs. Sarah Christine Louisa,  
     Vancouver (1)  
 (P) Novosel, Ellen Frances, Vancouver (2)  
 (2) Obana, Mitsue, Vernon (2)  
 (2) Okada, Dennis Shoji, Salmon Arm (P)  
 (2) Oppal, Taroo Wallace, Duncan (P)  
 (2) Orser, Rodney Kimball, Grand Forks (2)  
 (P) Ottley, Carman James, Powell River (2)  
 (2) Oussoren, (John) Jan, North Burnaby (2)  
 (P) Pattinson, Jane Marilyn, Alert Bay (2)  
 (2) Paul, Andrew Greig, Vancouver (2)  
 (2) Pavan, Daniel Guerino, Grand Forks (2)  
 (2) Pearson, Mrs. Imke, Vancouver (2)  
 (2) Pennacchietti, Irene, Venezuela (2)  
 (2) Petersen, Orla John Lauritz, Abbotsford (P)  
 (2) Peterson, Arthur Leonard, Burnaby (2)  
 (2) Peterson, Marilynne Jeannette, Vancouver (1)  
 (P) Petrie, Sheila Diane, Port Alberni (2)  
 (2) Phillips, Everd Leslie, United States (2)  
 (2) Phillips, Graham James, Vancouver (P)  
 (2) Plaunt, Frances Alan, Alberta (2)  
 (P) Poley, John Herbert, New Westminster (2)  
 (P) Pollard, Ronald Francis, Vancouver (2)  
 (2) Polonicoff, Jacob Peter, Grand Forks (2)  
 (2) Powell, Linda Diane, Vancouver (2)  
 (2) Pratt, Hilary Jane, New Westminster (2)  
 (1) Prior, John Gladwyn, Burnaby (P)  
 (P) Purdy, Joanne Brenda, Vancouver (2)  
 (2) Ragona, Flamma Clelia, Vancouver (2)  
 (2) Ramlo, Bryce Arnold, Vancouver (2)  
 (2) Ratzlaff, George Richard, Vancouver (2)  
 (2) Read, Charles Anthony, Vancouver (2)  
 (P) Rees, Ilse, Kelowna (P)  
 (2) Reeve, Jo Ann, Vancouver (2)  
 (P) Rimmer, David McLellan, West Vancouver (P)  
 (2) Rippon, Robert David, West Vancouver (2)  
 (P) Robb, William Stuart, Vancouver (P)  
 (2) Robertson, Katherine Jane, Victoria (1)

Robinson, Maureen Ellen Anne-Elizabeth,  
     Vancouver (2)  
 Robson, Elizabeth Mary Geddes,  
     Vancouver (2)  
 Romalis, Coleman, Vancouver (2)  
 Romilly, Selwyn Reginald, Vancouver (P)  
 Runge, John Hartwig, Vancouver (2)  
 Rushton, John Arnold, Vancouver (2)  
 Sadler, William Murray, North Vancouver (P)  
 Sandwell, Stephanie Joan, Vancouver (P)  
 Scott, Warren Earl, Vancouver (2)  
 Sealey, Gary David, Courtenay (2)  
 Senges, Harry, Vancouver (1)  
 Service, Patricia Olive, Victoria (2)  
 Sharzer, Michael Norman, Vancouver (2)  
 Shoolbraid, George Murray Haining,  
     Vancouver (1)  
 Siemens, Leo, Abbotsford (2)  
 Simmons, Alan Burtham, Ladysmith (2)  
 Simpson, John Scott, Vancouver (P)  
 Skinner, Jeanie Elizabeth,  
     West Vancouver (P)  
 Skog, Colin, Vancouver (2)  
 Slade, Pamela Louise, Powell River (P)  
 Smith, Marilyn Elizabeth, Ladner (2)  
 Smrekar, Jelena, Vancouver (2)  
 Smythe, Nicholas David Edward,  
     Vancouver (P)  
 Solomon, Clinton Arnold, Vancouver (P)  
 Spearing, Kathleen Mary, Wellington (2)  
 Spilsbury, Mary Ward, Victoria (P)  
 Stanko, Jaroslawa (Shirley), Vancouver (2)  
 Stensholz, Ellen Elizabeth, Powell River (P)  
 Stewart, William Alexander Malcolm,  
     Vancouver (2)  
 Stipac, Boris, North Burnaby (2)  
 Stoklossa, Klaus, Vancouver (2)  
 Strina, Gillian Mary, Vancouver (P)  
 Stuart, Crampton Michael, Victoria (2)  
 Stuart, Evelyn Carole, North Vancouver (2)  
 Sturdy, Caroline Anne, Vancouver (P)  
 Sturges, Anne Christine, Vancouver (2)  
 Tait, Alexander George, Vancouver (P)  
 Tanner, Teas, Vancouver (2)  
 Tiessen, Eric Alfred, Chilliwack (2)  
 Toren, Ruberta Elizabeth, Vancouver (2)  
 Townsend, George Antony Fyler, Sidney (2)  
 Trotter, William Musalem, Kelowna (2)  
 Turbiavz, Stephen Christopher, Alberta (P)  
 Turner, John Norman, Fort Nelson (2)  
 Turvey, Katherine Margaret, Vancouver (2)  
 Urban, Dieter, Abbotsford (2)  
 Ure, David Selby, Vancouver (P)  
 Van Male, Stuart Lorne, Vancouver (2)  
 Vassos, Donald Morley, Vancouver (P)  
 Venables, Mrs. Sandra Gayle, Vancouver (1)  
 Veveris, Ausma Arika, South Burnaby (2)  
 Vickers, Donald Neil, Penticton (2)  
 Vickery, Norman Harvey, Vancouver (P)  
 Walker, Gary Edwin, Vancouver (P)  
 Warner, Diana Eileen, Victoria (2)  
 Watney, Mrs. Lynne Ethel, Vancouver (2)  
 Waung, Ann Ming, Hong Kong (2)  
 Webster, Linda, West Vancouver (2)  
 Weeks, Richard Arnold, Nanaimo (2)  
 Wergeland, Mrs. Lois Arlene, Vancouver (2)  
 White, Doreen Ann, Burnaby (2)  
 Whittick, Jill Stewart, Saskatchewan (2)  
 Wickett, Garry Steeves Wright, Vancouver (2)  
 Wickland, Russell Raymond,  
     North Vancouver (P)  
 Wiebe, Lorenz Otto, Vancouver (2)  
 Williams, David Allan Sidney, Victoria (2)  
 Williams, Dennis Paul, Kimberley (P)  
 Williams, Lynette Duaine,  
     West Vancouver (P)  
 Williams, Thomas Bernard, Richmond (2)  
 Williamson, James Lionel, Ontario (P)  
 Wilson, Daniel Andrews, North Vancouver (2)  
 Wilson, Eric Hamilton, Vancouver (2)  
 Wolf, Paul Gregory, Vancouver (2)  
 Wong, Beverly, Richmond (2)  
 Wong, Milton Kwong Yin, Vancouver (P)  
 Worfolk, Bernard Wells, Hammond (P)  
 Worrall, Mrs. Marion Louise, Vancouver (2)  
 Wright, Patrick Dermot, Kitimat (2)  
 Yada, Mrs. Dorothy Elizabeth, Vancouver (1)  
 Yamamoto, Kathleen Kazuko, Vancouver (2)  
 Yare, David William, Vancouver (2)  
 Yaremy, Marian Kay, Vancouver (2)  
 Young, David Michael, Chemainus (2)  
 Zalkowitz, Samuel, West Vancouver (2)

**THE DEGREE OF BACHELOR OF SCIENCE**

**HONOURS PROGRAMME**

Addison, Ralor Blendle, Nanaimo	Second Class Honours in Zoology	Haywood-Farmer, John Stewart, Savona	Second Class Honours in Chemistry
Arnold, Sara Joan, Vancouver	First Class Honours in Chemistry	Healey, Dennis Charles, Abbotsford	First Class Honours in Physics and Mathematics
Ash, James Howard, Vancouver	Second Class Honours in Physics and Mathematics	Heaps, Terence Morton, New Westminster	First Class Honours in Mathematics
Beaton, Stephen Peter, Vancouver	First Class Honours in Chemistry	Henry, Bryan Roger, Vancouver	First Class Honours in Chemistry
Bird, David John, Victoria	Second Class Honours in Chemistry	Hewgill, Denton Elwood, North Vancouver	Second Class Honours in Mathematics
Birney, William Laurenson, Vancouver	First Class Honours in Applied Mathematics	Irwin, Carol Joan, Burnaby	Second Class Honours in Zoology
Boer, George John, England	Second Class Honours in Physics and Mathematics	Kydd, Ronald Andrew, New Westminster	Second Class Honours in Chemistry
Booth, Michael Roy, West Vancouver	First Class Honours in Chemistry	Lambert, Anthony, Victoria	Second Class Honours in Physics
Britton, Mary Martha, United States	Second Class Honours in Zoology	Lambert, Maurice Bernard, Kamloops	Second Class Honours in Geology
Brown, Charles Nelson, Victoria	First Class Honours in Physics and Mathematics	Levchuk, Larry Edmond, Vancouver	Second Class Honours in Chemistry
Cannon, Wayne Harry, Burnaby	Second Class Honours in Physics	Malkin, Robert Christopher Rogers, Vancouver	First Class Honours in Zoology
Comer, Frederick William, Victoria	First Class Honours in Chemistry	Martineau, Steven Francis, West Vancouver	Second Class Honours in Physics
Cowan, Garry Ian McTaggart, Vancouver	First Class Honours in Zoology	Medley, Sidney Sylvester, Vancouver	Second Class Honours in Physics
Cretney, Walter James, Vancouver	Second Class Honours in Chemistry	Mitchel, Ronald Edward John, Vancouver	Second Class Honours in Chemistry
Crone, Peter Eberhard, Vancouver	Second Class Honours in Geology	Murray, William Adam, North Vancouver	Second Class Honours in Physics
Crossley, Cecil Leonard, Rossland	Second Class Honours in Chemistry	McAlpine, Robert Douglas, Alberta	Second Class Honours in Chemistry
Culling, Terence Drew, Vancouver	Second Class Honours in Physics	McArthur, William James, Vancouver	Second Class Honours in Physiology and Biochemistry
Cyr, Theodore James Raymond, Burnaby	Second Class Honours in Chemistry	McCourt, Frederick Richard Wayne, Port Coquitlam	Second Class Honours in Chemistry
Farish, Donald James, South Burnaby	Second Class Honours in Zoology	McIntosh, John Samuel Edward, North Burnaby	Second Class Honours in Chemistry
Farquharson, Robin Bruce, Vancouver	Second Class Honours in Geology	McKay, David Alexander, Victoria	Second Class Honours in Physics
Furnival, Sharon Grace, United States	Second Class Honours in Chemistry	McPherson, Margaret Diane, Burnaby	First Class Honours in Bacteriology
Gerrath, Joseph Fredrick, B.A., Vancouver	First Class Honours in Zoology	Norton, Peter George, Vancouver	First Class Honours in Chemistry and Mathematics
Gow, Jack Alexander, Nanaimo	Second Class Honours in Zoology	Roller, Peter Pål, Vancouver	Second Class Honours in Chemistry
Hall, Ernest Stanley, Victoria	First Class Honours in Chemistry	Sandner, Stanley Leonard, Cascade	Second Class Honours in Geology
Hardin, Arvid Holgar, North Vancouver	Second Class Honours in Chemistry	Sannes, Felix, Vancouver	Second Class Honours in Physics
		Shelbourn, John Edward, Vancouver	Second Class Honours in Zoology

Simpson, Jeffrey Kent, Vancouver  
Singh, Pritam, Vancouver  
Small, James Gerald, Vancouver  
Smee, Jeremy Lawrence, Vancouver  
Smith, Susan May, Vancouver  
Tonzetich, John, Nanaimo  
Tremaine, Paul Howard, Vancouver  
Varah, James Martin, West Vancouver  
Vroom, David Archie Salsbury, Vancouver  
Walker, Leslie Ann, Vancouver  
Watney, Muriel Joyce, Vancouver  
Webber, Herbert Henry, Burnaby  
Webster, Godfrey Robin Barrie, Kelowna  
Weddell, Thomas Alwyn, Kelowna  
White, Robert Wayne, Langley  
Wiebe, John Peter, Manitoba  
Williamson, Denis George, Vancouver  
Zwarich, Ronald James, Kamloops

Second Class Honours in Bacteriology  
First Class Honours in Chemistry  
Second Class Honours in Chemistry and Mathematics  
First Class Honours in Chemistry  
Second Class Honours in Zoology  
First Class Honours in Biology  
Second Class Honours in Chemistry  
First Class Honours in Applied Mathematics  
First Class Honours in Chemistry  
Second Class Honours in Biochemistry  
First Class Honours in Zoology  
Second Class Honours in Zoology  
Second Class Honours in Chemistry  
Second Class Honours in Applied Mathematics  
Second Class Honours in Physics  
First Class Honours in Zoology  
First Class Honours in Biochemistry  
Second Class Honours in Chemistry

Clark, Gary Norman, Vancouver (2)  
Clissold, Roger John, Vancouver (P)  
Close, Nicholas, Quebec (P)  
Coates, Mrs. Viona Vionne Zoya, Vancouver (P)  
Copeland, Bruce Ralph, Vancouver (P)  
Corbie, Radcliffe Arthur, Vancouver (P)  
Coukell, Milton Barrie, South Burnaby (2)  
Dennison, Michael Vernon, South Burnaby (2)  
Dill, Peter Arnott, West Vancouver (2)  
Dixon, James Douglas, Kimberley (2)  
Doerksen, George Peter, Pitt Meadows (2)  
Dubois, Larry John, North Burnaby (P)  
Duck, Thomas Arthur Jr., West Vancouver (2)  
Dunik, Stephen Lionel, Vancouver (2)  
Eacott, Geoffrey Frank, Victoria (2)  
Eastman, Donald Harry, Vancouver (P)  
Eyres, Norman Allen, Rossland (2)  
Finlaison, George Frederick, Vernon (P)  
Forsyth, Arthur Lloyd, North Surrey (P)  
Foulis, Robert John Patterson, Vancouver (2)  
Galbaransingh, Krishna Suchit, Trinidad (2)  
Garby, William Peter, Burnaby (P)  
Garner, Richard William, Port Alberni (1)  
Genge, Pamela Joan, Victoria (2)  
Grier, Boyd Barnard Arthur, Victoria (2)  
Griffiths, Donald Gordon, Vancouver (P)  
Hanson, Caroline Louise, New Westminster (P)  
Harding, Earnest Adrian, Silverton (P)  
Harms, Archie Arkadius, Richmond (2)  
Harnanansingh, Patrick Matbur, Vancouver (P)  
Hatchett, Sidney John, Vancouver (2)  
Hewlett, Kenneth Gilbey, Victoria (2)  
Hong, Liang Thomas, Vancouver (P)  
Horovatin, Joseph Daniel, Greenwood (2)  
Hunter, Judith Margaret, Oliver (2)  
Irvine, Henry Barry, Vernon (2)  
Jackson, Edwin William Thomas, North Vancouver (P)  
Jenkins, Garry Ronald, Trail (2)  
Johnson, David Lawrence, Vancouver (2)  
Johnson, Gudjon Ray, Kitimat (2)  
Johnson, Robert Alvin, Nanaimo (2)  
Jones, James Barry, North Burnaby (P)  
Jones, Zenna Ann, Vancouver (2)  
Joslin, Paul William Bamber, Vancouver (2)  
Kagetsu, Ted Tetsuo, Vancouver (2)  
Keiran, Patrick James, Vancouver (2)  
Kerkhoff, Francis Bernard, New Westminister (2)  
Kersey, Robert Charles, Vancouver (2)  
Kettlewell, Alfred James, Burnaby (P)  
Kissinger, Donald Vincent, Victoria (2)  
Knittel, Tony, Vernon (2)  
Ko, Arthur Sai Chun, Hong Kong (2)  
Kyle, Melvin Frank, Alberni (2)  
Lance, Arthur Norman, Vancouver (2)  
Latta, Raymond Forrest, Chemainus (P)  
Leary, Michael Dennis, Burnaby (P)  
Lee, Cheuk Yu, Hong Kong (2)  
Lee, Joseph, Vancouver (2)  
Leech, Robert Ernest, Salmon Arm (P)  
Le Quesne, Peter Neave, Victoria (P)  
Lim, Mon Tan, Vancouver (2)  
Lissimore, Wilfred William, Mission City (P)  
Lorberg, Eberhard Fritz, Richmond (P)  
Lysell, Ronald Irvine, Vancouver (P)  
Mahovlich, Marko Ivan, Alberni (P)  
Manduca, Nicolas Domenic, Trail (P)  
Marriott, Roger Earl, White Rock (2)  
Marshall, Donald Russell, Vancouver (2)  
Marshall, Jocelyn Ann, Vancouver (2)  
Mason, Tanis Adele, Kimberley (2)  
Meldrum, Robert David, Vancouver (1)  
Millar, John Stanley, North Vancouver (2)  
Minato, Masayoshi Kenneth, 100 Mile House (P)  
Morris, Joseph Albert, Ontario (P)  
Morton, Ian Fairlie, Vancouver (P)  
Mukai, Robert Yasufumi, Richmond (P)  
Munro, Thomas Colin, Salmon Arm (2)  
McBride, Barry Clarke, Vancouver (2)  
McBurney, Richard Strachan, Cranbrook (P)  
MacDonald, Bonnie Jean, North Surrey (P)  
MacDonald, Roger, North Burnaby (2)  
McFarlane, Archibald, Vancouver (2)  
Mackay, Robert William, Port Kells (2)  
MacKenzie, Kenneth Roy, North Vancouver (2)  
McKinnon, Dennis, Powell River (P)  
McLean, Donald Courtney, Vancouver (2)  
McMechan, Frederick Victor, Vernon (P)  
Neal, Colin Montgomery, North Vancouver (2)  
Onotera, Larry Yasuo, North Surrey (P)

#### GENERAL COURSE

Andersen, Howard Gordon, Deroche (1)  
Anderson, John Rogers, Oliver (2)  
Armstrong, Leonard Clive, West Vancouver (P)  
Arrowsmith, Frederick Clifford, Vancouver (P)  
Awai, Ronald, Trinidad (P)  
Baker, Charles Andrew Wilson, Vancouver (2)  
Baker, Joseph Michael, Fort Langley (2)  
Bartel, Peter, Rosedale (2)  
Berry, Malcolm Owen, Alberni (2)  
Besko, Orrin Stanley, Vancouver (P)  
Blundell, Edgar Allan, Kimberley (2)  
Bowering, Kenneth Wayne, Vancouver (2)  
Bowker, Howard Ames, Ladysmith (2)  
Braverman, Harold, Vancouver (P)  
Brown, Daniel John, Victoria (2)  
Burns, Beverley Murray, Vancouver (2)  
Carpenter, Ted Lewis, Kaslo (P)  
Chan, Wai-Nang Raymond, Hong Kong (P)

Pada, Lars August, Grindrod	(P)	Telford, Douglas Brent, Vancouver	(2)
Palsson, Gerald Duane, Kinnaird	(2)	Thiessen, Frank, Yarrow	(2)
Pelto, John Martin, Haney	(2)	Thomson, Marilyn Dianne, Enderby	(2)
Phillips, Leon Taffari, Trinidad	(P)	Thornton, Brian William, Vancouver	(2)
Pomeroy, Douglas Ralph, Vancouver	(2)	Townsend, John Deaville, Victoria	(2)
Pratt, Murray Regis, South Burnaby	(P)	Trueman, Mark Edwin Harry, Victoria	(2)
Pun, Chi-Tung, Vancouver	(P)	Trythall, Willoughby Agar, North Vancouver	(2)
Ramessar-Lewis, Mrs. Joyce, Trinidad	(2)	Uchiyama, Bert Kengo, Vancouver	(P)
Renwick, Robert James, Vancouver	(P)	Uyede, Shoko, Vancouver	(2)
Rive, Douglas Edwin, Vancouver	(2)	Vickers, Allan Norman, North Vancouver	(P)
Robinson, Anita Marie Therese, Vancouver	(2)	Vinje, Magnus Geir, Vancouver	(P)
Rogers, William Todd, South Burnaby	(1)	von Zuben, Michael Leonard, West Vancouver	(P)
Roller, Kalman Frank, Vancouver	(2)	Wade, Leslie Keith, Vancouver	(1)
Rothe, Rüdiger, West Vancouver	(2)	Walden, Thorn, Vancouver	(2)
Ryder, Richard John, North Surrey	(P)	Walker, David William Thomas, North Burnaby	(P)
Sanderson, Gerald Francis, Trail	(P)	Walkey, Richard Arthur, West Vancouver	(P)
Scholefield, Peter Ross Maclean, West Vancouver	(2)	Wall, Peterjon Robert, Vancouver	(2)
Searl, Glynn Desmond, Trinidad	(P)	Warn, Thomas Harvey, Vancouver	(2)
Shannon, Brian James, Vancouver	(P)	Waterman, Alfred George, Vancouver	(2)
Shaw, Ronald George, Vancouver	(2)	White, Eleanor Elizabeth, Creston	(2)
Shea, Gordon Wilson, Vancouver	(P)	Wilke, Heinz Werner, Vancouver	(2)
Sheepwash, Douglas Richard, Sardis	(2)	Wilson, Paul James, Cumberland	(2)
Shum, Garlun Allan, Vancouver	(P)	Wilson, William Taylor, North Vancouver	(2)
Smith, Kenneth Joseph, Campbell River	(2)	Stainer, Isobel Margaret, Oliver	(2)
Sontowski, Dieter Paul, South Burnaby	(P)	Wong, Jimmy, Nanaimo	(P)
Stainer, John Evelyn Randall, Oliver	(P)	Wong, Po Man, Hong Kong	(P)
Stanley-Jones, Arthur Roland, Duncan	(2)	Woodruff, Arthur Eugene, Rossland	(P)
Steinke, Henry, Vernon	(P)	Wright, James Barry, Vancouver	(2)
Swan, Elizabeth Catherine, Vancouver	(2)	Yada, Genwo, Vancouver	(2)
Tanton, John Edwin, Vancouver	(P)	Yasui, Atsushi, Richmond	(2)
Taylor, Gerald David, United States	(2)	Zyblut, Edward Ronald, Richmond	(2)

#### THE DEGREE OF BACHELOR OF HOME ECONOMICS

Banks, Beverley Mae, Vancouver	(2)	Fraser, Susan Worth, Penticton	(2)
Beggs, Patricia Mary, Chemainus	(2)	Groves, Carol Louise, Vancouver	(2)
Berry, Ruth Eleanor, Vancouver	(2)	Gum, Diane Judith, Vancouver	(2)
Brown, Shirley Anne, Vancouver	(P)	Haugen, Marilyn Ann Lois, Armstrong	(2)
Burns, Penelope Ann, Prince George	(2)	Hislop, Carole Frances, North Vancouver	(2)
Cliff, Gloria Elaine, South Burnaby	(2)	Hurtado, Mrs. Elke Aurora, Vancouver	(2)
Clouston, Linda Diane, Port Alberni	(1)	Johnson, Shirley Ida, Saskatchewan	(P)
Crutchley, Sharon Anne, North Vancouver	(2)	Logan, Susan Carol, West Vancouver	(2)
Dahl, Elizabeth Margaret, Yarrow	(2)	Lorimer, Joyce Ann, Vancouver	(2)
de Jong, Erica Alison, Vancouver	(P)	McMaster, Linda Craig, Victoria	(2)
Embree, Arlene Grace, West Summerland	(2)	Nelson, Sonja Linnea, Burnaby	(P)
		Pelton, Elaine Carroll, Fort St. John	(P)

Phillips, Mary Louise, North Vancouver	(2)	Skelton, Violet Mae, Armstrong	(P)
Robertson, Mrs. Leila Katherine, Alberta	(P)	Stearman, Patricia Ann, Vancouver	(2)
Ronson, Anne Elizabeth, North Vancouver	(P)	Thacker, Bertha Elizabeth, Vancouver	(2)
Rostrup, Carol Lynn, Alberta	(2)	Thompson, Verneta Lorraine, Vancouver	(2)
		Unruh, Karen Joyce, Mission City	(2)

#### THE DEGREE OF BACHELOR OF MUSIC

Burritt, Lloyd Edmund, Gibsons	(2)	Minorgan, David Bruce, Port Alberni	(1)
Chappell, John Stuart, Vancouver	(1)	Rowley, Vivienne Wilda, Vancouver	(2)
Harris, Susan Lorraine, Vancouver	(1)	Telizyn, Oleg Joseph, Ontario	(2)
Huse, Peter Franklin, Vancouver	(1)	Thors, Sigrid-Ann, Penticton	(1)
Lazenby, Edward Humphrey, Vancouver	(1)	Todd, Brian Cyr, North Vancouver	(1)
Mercer, Jean Elizabeth, Vancouver	(2)	Walker, William, Abbotsford	(P)

## MEDALS, FELLOWSHIPS, SCHOLARSHIPS AND PRIZES

(Note: this list contains awards won by members of the Graduating Classes and certain graduate awards. Undergraduate awards and most of the graduate scholarships will be announced in later lists.)

### HEADS OF THE GRADUATING CLASSES

The Governor-General's Gold Medal (Head of the Graduating Classes, Faculty of Arts and Science, B.A. and B.Sc. degrees): Dennis Charles Healey (Abbotsford).  
The University Medal (Head of the Graduating Class, non-science group, Faculty of Arts and Science, B.A. and B.Sc. degrees): Richard Michael Toporoski (Vancouver).  
The Wilfrid Sadler Memorial Gold Medal (Head of the Graduating Class, Faculty of Agriculture, B.S.A. degree): Kenneth Ralph Pastore (Abbotsford).  
The Association of Professional Engineers Gold Medal (Head of the Graduating Class, Faculty of Applied Science, B.A.Sc degree): Robert Ewart Butler (North Surrey).  
The Kiwanis Club Gold Medal and Prize (\$75) (Head of the Graduating Class, Faculty of Commerce, B.Com. degree): John Leslie Scadding (Victoria).  
The Law Society Gold Medal and Prize (call and admission fee) (Head of the Graduating Class, Faculty of Law, LL.B. degree): James Edward McInnes (Cranbrook).  
The Hamber Gold Medal and Prize, \$250 (Head of the Graduating Class, Faculty of Medicine, M.D. degree): John Humphrey Walton (Trail).  
The Horner Gold Medal for Pharmacy (Head of the Graduating Class, Faculty of Pharmacy, B.S.P. degree): (Mrs.) Nina Catherine McInnes (Vancouver).  
School of Physical Education and Recreation Prize (Head of the Graduating Class, School of Physical Education and Recreation, B.P.E. degree): Henry Rudy Loewen (Matsqui).  
The H. R. MacMillan Prize in Forestry (Head of the Graduating Class, Faculty of Forestry, B.S.F. degree), \$100: John Gatland Worrall (Vernon).  
Special Prize (Head of the Graduating Class, School of Home Economics, B.H.E. degree): Linda Diane Clouston (Port Alberni).  
The Dr. Maxwell A Cameron Memorial Medal and Prize (\$50) (outstanding student in the Graduating Class, Faculty of Education, B.Ed. degree, Elementary Field): Wilma Anne Lancaster (Matsqui).  
The Ruth Cameron Medal for Librarianship (most outstanding student in Graduating Class, B.L.S. degree): Douglas Norman McInnes (Vancouver).  
The Dr. Maxwell A. Cameron Memorial Medal and Prize (\$50) (outstanding student in the Graduating Class, Faculty of Education, B.Ed. degree, Secondary Field): Milton McClaren (Vancouver).  
The Mae and Leah Chetkow Memorial Prize, \$100 (proficiency in Graduating Class, School of Social Work, M.S.W. degree): John Gordon McLellan (Vancouver).  
The Laura Holland Scholarship, \$350 (continuing in studies for M.S.W. degree) (Head of the Graduating Class, School of Social Work, B.S.W. degree): Irene Jeanette Foerster (Vancouver).  
Special Prize, \$50 (Head of the Graduating Class, B.Mus. degree): David Bruce Minorgan (Port Alberni).

### THE RHODES SCHOLARSHIP

Brian Leslie Scarfe (Vancouver).

### AWARDS IN VARIOUS FACULTIES

#### GENERAL

The Canadian Association of Geographers Book Prize (greatest proficiency in Geography): James Harvey Bater (Vancouver).  
The Dr. Gordon M. Shrum Book Prizes, \$50 each (outstanding contribution to social, cultural and recreational life in Lower Mainl residences) (awarded in March, 1963): Gretchen Jean Rice (Trail)  
Thomas Richard Thorburn (Vernon).

Encyclopedia Britannica of Canada Ltd. Prizes (Sets of "Great Books of Western World") (Science and Engineering students with proficiency in their fields and areas of liberal education):

Engineering— John Samuel Russell Montgomery (Vancouver)  
Science— Muriel Joyce Watney (Vancouver).

International House Association Prizes, books approximately \$15 each (contributions to International House) (awarded in April):  
Austin Kenneth Belix (Vancouver)  
David Sprague Gibbons (Vancouver).

The Lefevre Gold Medal and Scholarship (\$125) (proficiency in Chemistry): Bryan Roger Henry (Vancouver).

The Society of Chemical Industry Merit Awards (inscribed gold key and subscription to "Chemistry and Industry"):  
(a) outstanding in Honours Course In Chemistry— Bryan Roger Henry (Vancouver)  
(b) outstanding in Chemical Engineering— Wayne Robert Edward Rowley (Victoria).

The University Essay Prize, \$25 (best undergraduate essay submitted in English courses): Robert Clark Cook (Vancouver).

Vancouver Natural History Society Prize (book to value of \$25) (for proficiency in Fourth Year Botany): Freek Vrugtman (Vancouver).

### ARCHITECTURE

The Architectural Institute of British Columbia Prize (books to value of \$75) (outstanding in Architectural Design): Ronald Bruce Bain (Vancouver).

### ARTS AND SCIENCE

The Armstead Prize in Biology and Botany, \$100 (scholastic and research ability in Biology and Botany): John Tonzeitch (Nanaimo).

The David Bolocan Memorial Prize, \$25 (outstanding in Psychology): Rory O'Day (North Vancouver).

The David E. Little Memorial Scholarship, \$100 (excellence in Physics, proceeding to Master's degree at this University): Dennis Charles Healey (Abbotsford).

El Centro Hispano Canadiense Prize, \$25 (highest standing, Final Year, Spanish): Jose Maria Lopez-Saiz (Vancouver).

The Frank de Bruyn Memorial Prize, \$50 (proficiency in seventeenth century English literary studies): E. Jane Cowan (Vancouver).

The Slavonic Studies Graduation Prize, \$100 (given by Walter C. Koerner, Esq. In honour of Dr. William Rose) (for proficiency in Slavonic Studies): George Murray Schoolbraid (Vancouver).

### ENGINEERING

The Canadian Forest Products Limited Prize, \$100 (general proficiency, graduating in Forest Engineering): Robert Morris Sitter (Vancouver).

The H. R. MacMillan Prize in Forest Engineering, \$100 (highest standing in Forest Engineering): Robert Morris Sitter (Vancouver).

The Heavy Construction Association of B.C. Graduation Prize, \$50 (proficiency in course on highway engineering): Neil Edward Paget (Victoria).

Machine Design Prize, \$50 (best design in course M.E. 463): Norman Allan Johnson (Castlegar).

The Timber Preservers Limited Prizes (best specifications of a structure of modern engineering timber construction requiring preservative treatment (submitted in Course C.E. 476):

First Prize, \$100—Edward Gerald Langford (Vancouver)

Second Prize—Neil Edward Paget (Victoria)

Third Prize, \$30—Thomas Leslie Spragg (Armstrong)

Merit Prizes, \$20 each—

James Thomas Armstrong (Victoria)

James B. Holloway (Vancouver)

Robin Y. J. Young (Burnaby).

#### FORESTRY

The Canadian Forest Products Limited Prize, \$100 (proficiency, Forest Harvesting, Final Year); George David Jones (Richmond).  
The Canadian Institute of Forestry Medal (best overall record in all aspects of Forestry course); Marvin James Kempston (Vancouver).

#### HOME ECONOMICS

The B.C.D.A. Scholarship in Dietetics, \$50 each (proficiency, proceeding to dietetic internship in Canada);  
Beverley Mae Banks (Vancouver)  
Marilyn Ann Lois Haugen (Armstrong).  
The Lillian Mae Westcott Prize, \$70 (proficiency in areas of clothing and textiles); Sharon Anne Crutchley (North Burnaby).  
The Singer Sewing Machine Co. Prize (portable electric Singer Sewing Machine (proficiency in field of clothing); Patricia Mary Beggs (Chemainus).

#### LAW

The Allen S. Gregory Memorial Prize, \$100 (great merit in Moot Court work); Darrell Wayne Roberts (Courtenay).  
The Canada Law Book Company Prize (books, value \$50) (proficiency in Final Year); John Thomas English (Vancouver).  
The Canada Permanent Mortgage Corporation Prize, \$50 (highest standing in subject of mortgages); Donald Norman Riley (North Vancouver).  
The Carswell Company Limited Prize (books) (value \$35) (highest standing, Final Year); James Edward McInnes (Cranbrook).  
Best Printer Co. Ltd. Prize, \$50 (highest standing in Wills and Trusts, Third Year); Donald Norman Riley (North Vancouver).

#### LIBRARIANSHIP

The Marion Harlow Prize in Librarianship, \$25 (leadership, academic and research ability); (Mrs.) Suzanne Cates Dodson (North Vancouver).  
The Neal Harlow Book Prize (overall proficiency); Audrey Mary Kerr (Manitoba).

#### MEDICINE

Ciba Company Limited Medical Prize (volumes of medical illustrations); (Mrs.) Jean Sedhev (Vancouver).  
The Ciba Prize in Psychiatry, \$100 (outstanding in subject of Psychiatry); Larry A. Rotenberg (Vancouver).  
The C. V. Mosby Company Book Prizes (excellence in a field or fields of study); G. E. Mervyn Kirker (Trail)  
Roy Frederick Pratt (New Westminster).  
The Dean M. M. Weaver Medal (outstanding record and progress in four-year course); Donald Edward Hill (Vancouver).  
The Dr. A. B. Schinbein Memorial Scholarship, \$250 (highest standing in surgery, proceeding to internship); John Humphrey Walton (Trail).  
The Dr. A. M. Agnew Memorial Scholarship, \$180 (proficiency in Obstetrics and Gynaecology); (Mrs.) Joan Sedhev (Vancouver).  
The Dr. Frank Porter Patterson Memorial Scholarship, \$150 (special interest in orthopaedic surgery, proceeding to internship); Mervyn Leslie Hassan (Vancouver).  
The Dr. Peter H. Spohn Memorial Prize, \$150 (outstanding in Paediatrics); Milton Joe (Vancouver).  
The Dr. W. A. Whitelaw Scholarship, \$250 (good scholastic standing); A. George F. Davidson (Vancouver).  
The Dr. Walter Stewart Baird Memorial Prize, \$50 (best graduation dissertation); William James Dubé (Vancouver).  
The Hamber Scholarship in Medicine, \$750 (proficiency proceeding to internship); (Mrs.) Joan Sedhev (Vancouver).  
The Hamish Heney McIntosh Memorial Prize (specially bound volumes of Cushing's Life of Sir William Osler) (student selected as best qualified in every respect to practise his profession); Michael Melbourne O'Brien (Langley).

The Horner Prize (\$100) and Gold Medal (highest aggregate standing in four-year course, subject of medicine); (Mrs.) Joan Sedhev (Vancouver).

The Ingram and Bell Prize (special equipment) (best overall qualifications in terms of standing, student affairs, personal qualities); Donald Edward Hill (Vancouver).  
Mead Johnson of Canada Ltd. Prize in Paediatrics, \$100 (highest standing in Paediatrics); (Mrs.) Joan Sedhev (Vancouver).

The Samuel and Rebecca Nemetz Memorial Scholarship, \$100 (special aptitude for medical research); Michael Schulzer (Vancouver).

The Signus Club of Vancouver Prize, \$100 (best graduation thesis in field of nervous diseases); Donald Edward Hill (Vancouver).

#### PHARMACY

The Bristol Award (special books) (outstanding student in graduating class); Raymond Jang (Vancouver).  
The Cunningham Prize in Pharmacy, \$50 (most outstanding record in all years of the course); Nina Catherine McInnes (Vancouver).  
The Dean E. L. Woods Memorial Prize, \$50 (outstanding in theoretical and practical parts of the pharmaceutical subjects); Nina Catherine McInnes (Vancouver).  
The Merck Sharp & Dohme Awards (books and \$25 each) (highest standing in pharmaceutical chemistry);  
David Edwin Cook (Victoria)  
Nina Catherine McInnes (Vancouver).  
The Pfizer Fellowship in Hospital Pharmacy, \$500 (for Hospital Pharmacy internship); Ian Murray McIntyre (Vancouver).  
The Poulen Gold Medal (highest standing in Pharmacology courses); Nina Catherine McInnes (Vancouver).

#### SOCIAL WORK

The British Columbia Association of Social Workers Prize, \$100 (best all-round member of First Year class in Social Work); Michael James Audain (Vancouver).  
Greater Vancouver Branch, British Columbia Association of Social Workers, Prize, \$25 (all-round professional activity and promise); (Mrs.) Katherine Lynne Mansfield (Vancouver).  
The Social Work Prize, \$25 (outstanding thesis for M.S.W. degree); (Mrs.) Phyllis McLaren (Vancouver).  
Special University Prize, \$100 (outstanding overall record, First Year Class in Social Work); Micaela Margaret Brown (Quebec).  
Special University Prizes, \$25 each (outstanding theses, M.S.W. degree);  
John Gordon McLellan (Vancouver)  
James Charles Quinn (Vancouver).

#### PRIZES IN GRADUATE STUDIES

The Gilbert Tucker Memorial Prize, \$25 (proficiency in History 504 - French in North America); Margaret Susan Whiteside (Prince Edward Island).  
The Morris Belkin Prize, \$100 (best essay in field of Freudian Psychology); (Mrs.) Joyce C. Morton (Vancouver).

#### SCHOLARSHIPS IN GRADUATE STUDIES

The Don Buckland Memorial Scholarship in Forest Pathology, \$150 (proceeding to Forest Pathology at this University); John Martin Powell (Alberta).  
The Edith Ashton Memorial Scholarship, \$250 (outstanding graduate student in certain fields of Biology and Botany); Robert K. S. Lee (Vancouver).  
The General Accountants' Scholarship, \$1,500 (for graduate studies in Commerce and Business Administration, field of accountancy, at University of Washington); Lawrence S. Rosen (Vancouver).  
Industrial Relations Fellowships (University of B.C.);  
Edward Frank Burns Harvey (Victoria)—\$1,200  
Brian C. Murphy (Vancouver)—\$1,000  
Roy A. North (Vancouver)—\$600—(for Summer Session, 1963).  
The Johnston Terminals Ltd. Fellowship in Commerce, \$1,500; Harold Angus Summers (Vancouver).

The Native Daughters of British Columbia Scholarship, \$150 (for research work in Provincial Archives in early B.C. history); (Mrs.) Helen Brown Akrigg (Vancouver).  
NOCA Forage Graduate Scholarship, \$600, (special summer and/or winter project, Plant Science, in field of forage production); Stanislaw Freyman (Vancouver).  
The Vancouver Sun Graduate Scholarship for Journalism, \$2,000 (graduate study, Columbia University); Michael Ian Grenby (North Vancouver).  
The Warner Lambert Research Fellowship in Pharmacy, \$1,200 (graduate study and research in the field of Pharmacy); Cecilia Ko (Vancouver).  
The William Rea Scholarships in Television, \$1,000 each (for studies related to television):  
Angus M. Dunn (West Vancouver)  
Robert Edward Dubberley (Vancouver).

#### **SPECIAL RESEARCH FELLOWSHIPS, FACULTY OF MEDICINE**

The Burroughs Wellcome Fellowship in Anaesthesiology and Applied Pharmacology, \$1,000; Dr. William Michael Falk (Vancouver).  
The Poulenc Fellowship in Applied Physiology, \$500; Dr. William Michael Falk (Vancouver).  
Shane Fellowship for Cancer Research, \$6,000; Dr. Nelly Auersperg (Vancouver).

#### **AWARDS MADE IN COOPERATION WITH THE BRITISH COLUMBIA TEACHERS' FEDERATION**

The British Columbia Teachers' Federation Postgraduate Scholarships:  
(a) for Winter Session, \$1,500 each:  
Hallvard Dahlie (West Vancouver)—(for study at University of B.C.)  
Norma Jean Hawkes (New Westminster)—(for study at University of Oregon).  
(b) for Summer Session, \$250 each:  
Edward Arthur Killough (North Vancouver)—(for study at University of B.C.)  
Peter Francis Owen (Cobble Hill)—(for study at University of B.C.).