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## University of Maine at Orono One Hundred and Fiftieth Commencement, Friday, August 23, 1974

University of Maine

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UNIVERSITY COLLECTION

# Official Program of Degrees Awarded

University of Maine at Orono

One Hundred and Fiftieth  
Commencement

Friday, August 23

1974

*Raymond H. Fogler Library*

*Orono*

*3:00 P.M.*

THE STAR-SPANGLED BANNER

Oh, say, can you see,  
By the dawn's early light  
What so proudly we hail'd  
At the twilight's last gleaming?  
Whose broad stripes and bright stars  
Thro' the perilous fight  
O'er the ramparts we watched  
Were so gallantly streaming?  
And the rockets' red glare,  
The bombs bursting in air,  
Gave proof thro' the night  
That our flag was still there.  
Oh, say does that  
Star-spangled banner yet wave  
O'er the land of the free  
And the home of the brave?

# Program

PRESIDING: PRESIDENT HOWARD R. NEVILLE

Prelude—Florentine Chimes *Bingham*

Processional—Trumpet Fanfare *Mouret*

The National Anthem *Key-Smith*

Invocation THE REVEREND WALTER THOMPSON  
Chaplain, Canterbury House  
University of Maine at Orono

Address DR. ARTHUR ANDREW HAUCK  
PRESIDENT EMERITUS  
University of Maine

Conferring of Degrees

Remarks HOWARD R. NEVILLE, *President*

Recessional—March Royale *Lully*  
*Organist: Alice Mummé*

*University Marshals: Professor Eugene A. Mawhinney  
Assoc. Professor Bernard O. Deschanes*

*Head Usher: Professor David W. Trafford*



# COLLEGE OF ARTS AND SCIENCES

*Candidates for the degree of*

## BACHELOR OF ARTS

*Presented by Associate Dean Edward R. Reid*

### IN ANTHROPOLOGY

STEPHEN ALFRED BICKNELL ..... Warren, NJ  
JAYNE LELLO ..... Norway  
PHYLLIS DOROTHY MISHOU ..... Bangor  
DAVID JEFFRIES ROWSON ..... Old Town

### IN ART

SUSAN ELIZABETH STEVENS ..... Bangor

### IN CHEMISTRY

PAEGAN LYNN DEERING ..... Bangor

### IN ECONOMICS

RODNEY GEORGE SABATTUS ..... Calais  
WARREN CRAIG THOMAS ..... Bethany, CT

### IN ENGLISH

LINDA ANN MARIE DESJARDINS ..... Freeport  
DEBORA JANE GORDON ..... Westbrook  
EDWARD ANTON QUASNITSCHKA ..... Glastonbury, CT  
ANTHEA RAWDON RASALAH, *With Highest Distinction* ..... Orono  
PHILIP EUGENE WARD ..... Bangor  
DEBRA JANE WILLIAMS ..... Bangor

### IN FRENCH

DIANE P. CANNING, *With High Distinction* ..... Saco

### IN GEOLOGY

JOANN ELIZABETH MCKEE ..... St. Paul, MN

### IN GERMAN

KATHLEEN MARY KOBYLARZ, *With Distinction* ..... Hillsdale, NJ

### IN HISTORY

PAUL FRANCIS BARRON ..... Browns Mills, NJ  
JEFFREY EMERSON BROWN ..... Augusta  
ALMA ANDERSON DOE ..... Winterport  
CHRISTINE EDDY ..... Camden  
ROBERT TANNER GILL, JR., *With Distinction* ..... Cape Elizabeth  
SUSAN ELISA KORN KIELY, *With Distinction* ..... Limerick  
JUDITH ANN NEDEAU, *With Distinction* ..... Kennebunk  
DEBORAH LYNN PREBLE, *With Distinction* ..... Millinocket  
THOMAS MICHAEL RECORD ..... Norway

FRED WEBSTER SNOW..... Augusta  
CANDACE RAE WARD..... Orrington

IN INTERNATIONAL AFFAIRS

ROBERT MATTHEW JOHNSON, *With High Distinction* ..... St. George

IN JOURNALISM

NANCY ELIZABETH GARLAND..... Anson

IN MATHEMATICS

RANDALL BORGERSON ..... St. Petersburg, FL  
GEORGE WILLIAM DAY..... Milo  
VIRGINIA MAXWELL, *With High Distinction*..... New Hyde Pk, NY

IN MEDICAL TECHNOLOGY

JOANNE HORTON BAILEY, *With Highest Distinction* ..... Glastonbury, CT  
JOANNA RUTH BAKER, *With Highest Distinction*..... Bangor  
HUEI-CHING CHEN, *With High Distinction* ..... Orono  
RUTH ANN NASH, *With Distinction*..... Stillwater  
CORINNE THERESA PARADIS..... Bangor  
MARYON FREDERICK STONE..... Bangor

IN MODERN LANGUAGES

CATHERINE A. MONAHAN, *With Distinction* ..... Winchester, MA

IN PHILOSOPHY

RICHARD TORREY BROWN, *With Distinction*..... Cape Elizabeth

IN POLITICAL SCIENCE

JOHN ROLAND BILODEAU..... Winslow  
RICKEY MICHAEL CHURCHILL..... Caribou  
NANCY GAIL ROBERTSON..... Rumson, NJ  
PATRICIA ARLINE SPRAGUE, *With Distinction* ..... Bucksport  
WILLIAM S. TANNER..... Waterville  
PEGGY LEE WEEKS, *With High Honors* ..... Presque Isle  
STEPHANIE ANN ZODIS, *With Distinction*..... Bangor

IN PSYCHOLOGY

FRANCES PETERSON ALLEN..... Orono  
DONNA CAROLYN JEFFERY, *With High Distinction* ..... Riverton, WY  
ROBIN BEATRICE MANLEY..... Haworth, NJ  
ALMA CLAIRE MCGINNIS..... Waterville  
PATRICIA WALSH PHILLIPS, *With Distinction* ..... Bangor  
PETER CHRISTIAN REARICK..... Canaan, NH

IN PUBLIC MANAGEMENT

PAUL ENGLAND ..... Brewer  
ALAN T. GOVE..... Winthrop  
DAVID LINWOOD HALL..... Bridgton  
BARRY GEORGE HANSON ..... Canton

IN SOCIOLOGY

|   |              |
|---|--------------|
| EMMANUEL RALPH BEAULIEU .....                       | Madawaska    |
| ALAN HUGH DOUGHTY .....                             | Orono        |
| DOROTHY RUTH FLEMING .....                          | Rockland     |
| RICHARD DANIEL GUERETTE .....                       | Fort Kent    |
| STEPHEN THORNE HAYES, <i>With High Honors</i> ..... | Falmouth     |
| STEPHEN YORK HODSDON .....                          | Houlton      |
| NANCY ELAINE MALESKY, <i>With Distinction</i> ..... | North Anson  |
| MARION DANA PORTER .....                            | Summit, NJ   |
| JOAN ELEANOR SULLIVAN .....                         | Ellsworth    |
| SUSAN WEBSTER TIERNEY .....                         | Lisbon Falls |

IN SPEECH

|                              |                |
|------------------------------|----------------|
| WINDSOR HASKELL .....        | Madison        |
| CHARLES FOSTER HERRICK ..... | Lewiston       |
| JAMES EDWARD JACKSON .....   | East Eddington |
| WILLIAM LAMBORGHINI .....    | Hingham, MA    |
| MARILYN MAHER .....          | Lisbon Falls   |

IN THEATRE

|  |                 |
|--|-----------------|
| LINDA GAIL CHAMBERS, <i>With Distinction</i> ..... | Chadds Ford, PA |
|--|-----------------|

IN ZOOLOGY

|  |                 |
|--|-----------------|
| THOMAS COLIN BROMBY, JR. ....                            | Orono           |
| EDMUND DOLE ERVIN, <i>With Highest Distinction</i> ..... | Waterville      |
| MARK EDWARD JONES .....                                  | Bath            |
| REGINALD KENNEDY PREBLE, <i>With High Honors</i> .....   | Glastonbury, CT |
| RONALD W. RANDAZZO, <i>as of the Class of 1971</i> ..... | Pelham, NH      |
| ROBERT D. SLOCUM .....                                   | Orono           |

**BANGOR COMMUNITY COLLEGE**

*Candidates for the degree of*

**ASSOCIATE OF ARTS**

*Presented by Dean Constance H. Carlson*

IN GENERAL STUDIES

|                            |        |
|----------------------------|--------|
| ROBERT BERNARD BURKE ..... | Bangor |
|----------------------------|--------|

*Candidates for the degree of*

**ASSOCIATE OF SCIENCE**

*Presented by Dean Constance H. Carlson*

IN LAW ENFORCEMENT

|                           |              |
|---------------------------|--------------|
| RONALD EDWARD AVERY ..... | Cape Neddick |
| DAVID ALLAN SMITH .....   | Gardiner     |



**COLLEGE OF BUSINESS ADMINISTRATION**

*Candidates for the degree of*

**BACHELOR OF SCIENCE**

*Presented by Associate Dean Merrill Bartlett*

**IN BUSINESS ADMINISTRATION**

|   |                    |
|---|--------------------|
| PETER T. ALLEN                                  | Carabassett Valley |
| BARRETT S. BACALL                               | Boxford, MA        |
| ARTHUR KENNETH BATES                            | Marblehead, MA     |
| DALE LEON CUSHMAN                               | Augusta            |
| DALE L. FOWLER                                  | Manchester, NH     |
| STEPHEN H. HART                                 | Skowhegan          |
| WILLIAM ROBERT MOULTON                          | South Portland     |
| RICHARD L. SAINT-AMANT                          | Bangor             |
| TIMOTHY MARTIN SMITH                            | Gardiner           |
| LESTER DAVID THIBODEAU, JR.                     | Old Town           |
| BRIAN STANLEY WALLACE                           | Bath               |
| GEORGE FREDERICK WEHRMAN                        | Bangor             |
| DONALD S. WINSLOW, <i>With High Distinction</i> | Old Town           |

**IN ECONOMICS**

|                      |          |
|----------------------|----------|
| GERALD PHILIP GAGNON | Old Town |
|----------------------|----------|

**COLLEGE OF ENGINEERING AND SCIENCE**

*Candidates for the degree of*

**BACHELOR OF SCIENCE**

*presented by Dean Basil Myers*

**IN CIVIL ENGINEERING**

|                           |          |
|---------------------------|----------|
| JAMES FRANCIS KEELEY, JR. | Falmouth |
|---------------------------|----------|

**IN CHEMICAL ENGINEERING**

|                       |                 |
|-----------------------|-----------------|
| JAMES ROBERT ANDERSON | Livermore Falls |
|-----------------------|-----------------|

**IN ENGINEERING PHYSICS**

|                       |                    |
|-----------------------|--------------------|
| ERNEST WILLIAM HILTON | New Kensington, PA |
|-----------------------|--------------------|

**CERTIFICATE IN FIVE-YEAR COURSE IN  
PULP AND PAPER MANAGEMENT**

|                            |          |
|----------------------------|----------|
| BRIAN A. COOK              | Orono    |
| JAYALAKSHMI KRISHNAGOPALAN | Orono    |
| RAYMOND ROLAND PARENT      | Lewiston |
| WESLEY ELMER PLAISTED      | Brewer   |

# COLLEGE OF EDUCATION

*Candidates for the degree of*

## BACHELOR OF SCIENCE IN EDUCATION

*Presented by Dean James R. Muro*

|   |                  |
|---|------------------|
| PETER THOMAS AALBERG .....                                  | South Bristol    |
| WILLIAM THOMAS ANDERSON .....                               | Ridgewood, NJ    |
| KATHLEEN LOUISE BELANGER .....                              | Berlin, NH       |
| NANCY LILLIAN BISHOP, <i>With Highest Distinction</i> ..... | Fairfield        |
| PATRICIA MORRISON BOLES .....                               | Ellsworth        |
| BERTHA L. BOLSTRIDGE .....                                  | East Millinocket |
| CHRISTOPHER GEORGE BRAVES .....                             | Rutland, VT      |
| LORETTA VERA BURKE .....                                    | Gardiner         |
| MARY DILANDO CARNIE .....                                   | Cambridge, MA    |
| JOHN GUY DIBIASE, JR. ....                                  | South Portland   |
| KENNETH JARVIS DOW .....                                    | Corinna          |
| BEVERLY ANN EMERSON, <i>With Distinction</i> .....          | Cape Elizabeth   |
| TERRI LYNNE FARMER .....                                    | East Wilton      |
| GLORIA LOWE FEERO .....                                     | Winterport       |
| HAZEL VIOLA (KING) FROST .....                              | Bangor           |
| ROSEMARY DAVIS FUGEL .....                                  | Bangor           |
| DOCTHINA GABRIEL .....                                      | Augusta          |
| GARY GRADY, <i>With Distinction</i> .....                   | Farmingdale      |
| GERTRUDE HARRINGTON .....                                   | Augusta          |
| RUTH ELLEN (COOK) HILLMAN .....                             | Vanceboro        |
| ANN H. HOLMAN .....   | Bangor           |
| BARRY WILLIAM HOPPING .....                                 | Ipswich, MA      |
| SHERYL PHINNEY JIPSON, <i>With Distinction</i> .....        | Bangor           |
| JOANNE PHILLIPS JOHNSON, <i>With Distinction</i> .....      | East Holden      |
| LOUISE THURSTON KELLEY .....                                | Bernard          |
| STUART THOMAS KING .....                                    | Old Town         |
| JILL C. KURNOS .....  | Freedom          |
| WILLIAM MACMANNUS .....                                     | Bangor           |
| CHRISTINE R. MAXCY .....                                    | Thomaston        |
| JACK EDWIN MAYNARD .....                                    | Bangor           |
| MAXINE DIANA MICHAUD .....                                  | St. Agatha       |
| SARAH BETSY MOREY .....                                     | Millinocket      |
| PEGGY ELLA MURCH, <i>With High Distinction</i> .....        | Clinton          |
| GILBERTA PELLETIER .....                                    | Greenville       |
| CYNTHIA M. PREBLE .....                                     | Old Town         |
| JOYCE REPUCCI .....   | Winchester, MA   |
| JOHN C. ROBINSON .....                                      | Orono            |
| RICHARD PETER ROBINSON .....                                | Bangor           |
| JOEL DAVID SANKEY .....                                     | Brewer           |
| MARY LOU SANTERRE, <i>With Distinction</i> .....            | Millinocket      |
| RICHARD RUSSELL SHAW .....                                  | Bangor           |
| EWA KRYSZYNA STACHOWIAK .....                               | Augusta          |

|                                  |             |
|----------------------------------|-------------|
| CATHLEEN A. THOMPSON.....        | Winslow     |
| MARGUERITE LOUISE F. TUCKER..... | Cherryfield |
| JEAN H. WALKER.....              | Monmouth    |
| REBECCA J. WILLIAMS.....         | Pittsfield  |

## COLLEGE OF LIFE SCIENCES AND AGRICULTURE

### *Candidates for the degree of* ASSOCIATE OF SCIENCE

#### IN ANIMAL TECHNOLOGY

|                           |          |
|---------------------------|----------|
| JOHN VINCENT PALANGE..... | Lewiston |
|---------------------------|----------|

#### IN FOREST MANAGEMENT TECHNOLOGY

|  |           |
|--|-----------|
| JOEL DOUGLAS WARDWELL, <i>With Distinction</i> ..... | Bucksport |
|--|-----------|

#### IN FOOD SCIENCE MANAGEMENT

|                         |       |
|-------------------------|-------|
| JILL GARVIN GILMAN..... | Orono |
|-------------------------|-------|

#### IN MERCHANDISING

|                          |       |
|--------------------------|-------|
| CONNIE MARIE PORTER..... | Orono |
|--------------------------|-------|

#### IN PLANT AND SOIL TECHNOLOGY

|                      |           |
|----------------------|-----------|
| CINDY M. GORDON..... | Blue Hill |
|----------------------|-----------|

### *and Candidates for the degree of*

### BACHELOR OF SCIENCE

*presented by Associate Dean Winston Pullen*

#### IN AGRICULTURAL MECHANIZATION

|                              |        |
|------------------------------|--------|
| THOMAS FRANKLIN HOMSTED..... | Bangor |
|------------------------------|--------|

#### IN AGRICULTURE AND RESOURCE ECONOMICS

|                               |                   |
|-------------------------------|-------------------|
| NANCY IDA MACDONALD.....      | Bangor            |
| KENT PETTENGILL SAUNDERS..... | Winterport        |
| DAVID ABALIWANO WAGABAZA..... | Hollis Center     |
| TIMOTHY W. WARD.....          | Hampden Highlands |

#### IN ANIMAL VETERINARY SCIENCE

|                       |                |
|-----------------------|----------------|
| MARY ALLEN SMITH..... | South Portland |
|-----------------------|----------------|

#### IN BIOLOGY

|                            |                  |
|----------------------------|------------------|
| VIKKI SELENA ANDERSON..... | West Sullivan    |
| DONN LAURENCE CREAMER..... | Sorrento         |
| THOMAS ALAN DAVIES.....    | Milton Mills, NH |
| ROBIN EARL HENDERSON.....  | Rumford Center   |
| CRAIG R. WALLINGFORD.....  | East Lebanon     |

IN BOTANY

JEANNE W. FLAHERTY ..... Portland

IN CHILD DEVELOPMENT

LINDA F. DUNNING ..... Freeport  
CAROLYN KATHARIN CLOUTIER GRAY ..... New Gloucester  
LURALEE ALLEN KNAPP, *With High Distinction* ..... Phillips  
CAROL ANN VAN ELLS ..... E. Thetford, VT

IN FORESTRY

HILDING KARL OLSON ..... Gray  
WILLIAM NATHANIEL ROE ..... Warwick, NY

IN GENERAL HOME ECONOMICS

JUDITH ANN CULLENBERG ..... Farmington

IN NATURAL RESOURCE MANAGEMENT

JEFFREY GEORGE MADORE ..... Bangor

IN PLANT AND SOIL SCIENCE

FREDERICK FRANKLIN CALL ..... Portland  
HALLIE JEANNE HARMON, *With High Distinction* ..... Dover-Foxcroft

IN WILDLIFE MANAGEMNT

PETER LEROY ARNOLD ..... Dixfield  
VASCO EARL CARTER, II ..... Ellsworth  
ELIZABETH ANN HAYNES, *With Distinction* ..... Lincoln Center  
RICHARD LINCOLN ROUNDS ..... Taunton, MA

**THE GRADUATE SCHOOL**

*Presented by Associate Dean Roderick A. Forsgren*

*Candidates for the degree of*

**MASTER OF ARTS**

IN ECONOMICS

JAMES VERNON BATEY (B.A., Maine, [Orono], 1972) ..... Dexter  
Title of Thesis: Economic Growth and the  
Distribution of Income in the United States  
JOHN JOSEPH COLVIN, III (B.A., Maine, [Portland-Gorham],  
1972) ..... Portland  
Title of Thesis: The Effect of Federal Minimum  
Wages on Teenage Unemployment

IN ENGLISH

- ROBERT PAUL BURTON, JR. (B.A., Trinity College, 1971) . . . . . Charleston, WV
- MERRILL CARL COUSENS (A.B., Bowdoin College, 1969) . . . . . Gardiner
- JILL LORRAINE DEVRIES (B.A., Western Michigan University,  
1966) . . . . . Grand Rapids, MI  
Title of Thesis: William Dean Howells: The Develop-  
ment of His Moral Disillusionment
- JOSEPH ELGENE FOSTER (B.S., Maine, [Orono], 1969) . . . . . Cherryfield
- ROSEANNE MARIE GRAFFAM (B.A., Maine, [Portland], 1968) . . . . . Damariscotta
- JOYCE SELIGMAN HYMOFF (B.A., City College of New York,  
1966) . . . . . Portland  
Title of Thesis: A Study of the Works of Philip Roth
- JACQUELINE DARRIGRAND MITCHELL (B.A., University of Nevada,  
1970) . . . . . Orland  
Title of Thesis: The Persona in Doris Lessing's Short  
Stories
- GEORGE ROUNDY, JR. (A.B., Colby College, 1972) . . . . . Camden
- JANET LEBLANC SMITH (B.A., Bridgewater State College,  
1970) . . . . . Attleboro, MA
- M. KATHLEEN WAGNER (B.A., Rosary Hill College, 1969) . . . . . Penfield, NY
- RICHARD GEORGE WARNER (B.A., University of Connecticut,  
1969) . . . . . Bangor  
Title of Thesis: A Generative-Transformational Gram-  
mar of the Expository Paragraph

IN FRENCH

- MALCOLM CHANCY TAYLOR (B.A., Maine, [Orono], 1970) . . . . . Norridgewock  
Title of Thesis: The Hunter and the Hunted, the Force  
of Evil, in Chosen Works of Victor Hugo

IN HISTORY

- SISTER MIRIAM THERESE CALLNAN (B.A. St. Joseph's College,  
1967) . . . . . Portland  
Title of Thesis: Aroostook Architect: The Life and  
Times of Rev. Joseph S. Marcoux
- WILLIAM CASTORO (B.A., Tusculum College, 1973) . . . . . Brooklyn, NY
- RALPH KIRSHNER (B.A., McGill University, 1971) . . . . . Brooklyn, NY

- ROBERT F. MAJOR (B.A., Lafayette College, 1968) . . . . . Wynnewood, PA  
 Title of Thesis: Contemporary Attitudes to the Poor  
 and Their Relief in Sixteenth Century England
- RICHARD WOOD MCVINNEY (B.A., State University College at  
 Oneonta, 1973) . . . . . Oneonta, NY
- DONALD ALLAN YERXA (B.A., Eastern Nazarene College, 1972) . . . . . Orono  
 Title of Thesis: Admiral Samuel Graves and the Falmouth  
 Affair: A Case Study in British Imperial Pacification, 1775
- MICHELLE CHERNESKI ZINGALE (B.A., Maine, [Orono], 1973) . . . . . Orono  
 Title of Thesis: Elizabethan Military Theory as Re-  
 flected in Contemporary Tracts and Treatises

IN MATHEMATICS

- FRANK WILLIAM ACCOMANDO (B.A., Maine, [Orono], 1972) . . . . . Wantagh, NY  
 Title of Thesis: Optimal Asymptotic Test of a Com-  
 posite Statistical Hypothesis
- LELAND BLAINE CARTER (B.S., Bates College, 1971) . . . . . North Windham  
 Title of Thesis: Coefficients of the Cyclotomic Poly-  
 nomial
- DENNIS A. CASSILY (B.A., Maine, [Orono], 1970) . . . . . Bangor  
 Title of Thesis: An Investigation of Cardinal Numbers  
 Without the Axiom of Choice
- CLAIR EMERY GRANT (B.A., Dartmouth College, 1971) . . . . . Lancaster, NY  
 Title of Thesis: Resource Management in a Virtual  
 Memory Computer System
- VAN MOURADIAN (B.A., Maine, [Orono], 1967) . . . . . East Parsonfield  
 Title of Thesis: Survey of Theorems in Fixed Point  
 Theory

IN POLITICAL SCIENCE

- ROBERT KENNETH LIBBY (B.A., Maine, [Orono], 1972) . . . . . Bangor  
 Title of Thesis: The Continued Existence of Neutrality  
 in International Conflict Situations
- RICHARD F. TRUSCELLO (B.A., Mansfield State College,  
 1972) . . . . . Johnstown, PA  
 Title of Thesis: Private Groups and State and Local  
 Government: The Maine Municipal Association

IN PSYCHOLOGY

- GUNDA DE BOLT (A.B., University of California at Santa Cruz  
 1971) . . . . . Farmingdale  
 Title of Thesis: The Relationship of Subjective and In-  
 duced Self-esteem to Classroom Cheating Among Upper  
 Elementary School Children
- FREDERICK HARTWELL GREENE, III (B.A., Brown University,  
 1972) . . . . . Bangor  
 Title of Thesis: A Test for Response Summation in the  
 Pigeon

MARIA X. MALIKIOSI (B.A., Pierce College, 1970) ..... Athens, Greece  
 Title of Thesis: Locus of Control Orientation and Occupational Stereotyping in American and Greek Cultures

**IN SPEECH**

ELINOR AVERY (B.A., Boston College, 1972) ..... Leominster, MA  
 CANDICE LEE BISHOP (B.A., University of Connecticut, 1973) ..... Mystic, CT  
 WILLIAM JAMES CURRAN (B.A., Maine, [Farmington], 1973) ..... Bangor  
 KERRY LOU CURTIS (B.A., Maine, [Orono], 1971) ..... Bangor  
 Title of Thesis: An Investigation of Oral Stereognostic Ability of the Good and Poor Lipreader  
 SUMNER HACKETT HAYWARD (B.A., Wilkes College, 1965) ..... Skowhegan  
 Title of Thesis: A Production of *The Miracle Worker* Employing Improvisation, Role Playing, and Experimental Techniques Designed to Deepen in the Secondary School Participants an Understanding of Human Nature and Dramatic Characterization  
 JOYCE HELEN HIGGINS (B.A., Maine, [Orono], 1962) ..... Bar Harbor  
 Title of Thesis: The Teacher of Speech in Maine—1968: A Survey of Training, the Relationship of Training to Speech Subjects Taught, and Preferences Concerning Means of Professional Improvement  
 PATRICIA AFRICA SILLS (B.A., Colby College, 1969) ..... East Corinth

**MASTER OF ARTS IN TEACHING**

SHIPP H. WEBB (B.A., Colby College, 1970) ..... Canaan

**MASTER OF BUSINESS ADMINISTRATION**

WILLIAM WARREN ADAMS (B.A., Maine, [Orono], 1973) ..... Bangor  
 DAVID SWEETSER BAXTER (B.A., Colby College, 1970) ..... Bangor  
 HALUK DAYIGIL (B.S., M.S., University of Istanbul, 1968, 1969) ..... Istanbul, Turkey  
 MICHAEL A. FAUNCE (B.S., Maine, [Orono], 1973) ..... Bangor  
 GARY LYNN HAMMOND (B.S., Maine, [Orono], 1972) ..... Greene  
 LEE FOLSOM JEWELL, III (B.S., Husson College, 1971) ..... Lincoln  
 BARKLEY EARL VAN VRANKEN (B.S., Ithica College, 1971) ..... Old Town

**MASTER OF EDUCATION**

MARION ELIZABETH VIRTUE ADAMS (B.S., Maine [Portland], 1967) ..... Brewer  
 STEVEN WAYNE BAILEY (B.S., Springfield College, 1973) ..... Old Town  
 ROGER DANIEL BELANGER (B.A., Colby College, 1973) ..... Berlin, NH  
 PETER JOHN BLAKE (B.S., Lyndon State College, 1968) ..... Lewiston  
 STEPHEN JOSEPH BOBALEK (B.A., Maine, [Orono], 1967) ..... Stuyvesant, NY  
 VIRGINIA PAGE BOOTH (B.S., Maine, [Orono], 1967) ..... Bangor

THOMAS GILL BOUCHARD (B.A., Maine, [Portland], 1970) . . . . . Orono  
 THEO GEORGE BRAGDON (B.S., Nyack Missionary College,  
 1969) . . . . . Bradford  
 JAYNE SONYA BRANSCOMBE (B.S., Maine, [Orono], 1971) . . . . . Oakfield  
 JAMES HENRY BROGAN (B.S., Maine, [Orono], 1973) . . . . . Orono  
 WARREN EDWARD CAMPBELL (B.S., Farmington State Teachers  
 College, 1968) . . . . . Millinocket  
 HERBERT WARREN CAREY, JR. (B.S., Maine, [Orono],  
 1973) . . . . . Marblehead, MA  
 ROBERTO CLAYTAM S. CASTRO (B.A., Cegufes, 1972) . . . . . Santo, Spain  
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 College, 1965) . . . . . Southwest Harbor  
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College, 1959) . . . . . Farmington

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Brunswick, 1970) . . . . . Fredericton, N.B.

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Buffalo, 1969) . . . . . Dexter

ROBERT ARTHUR WILKINS (B.A., The University of Adelaide,  
1971) . . . . . Bingham

CONSTANCE F. WOOD (B.S., Maine, [Orono], 1968) . . . . . West Baldwin

CLINTON FRANK WORTHLEY (B.S., Maine, [Presque Isle],  
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JEFFREY MORGAN WREN (B.S., College of William and Mary,  
1971) . . . . . Bangor

GAIL ZETTEL (B.S., J. F. Kennedy College 1972) . . . . . Howell, NJ

**MASTER OF ENGINEERING**

**IN ELECTRICAL ENGINEERING**

MICHAEL JOSEPH RAINS (B.S., Northeastern University, 1967) . . . . . Milford, MA

**MASTER OF LIBRARY SERVICE**

JAMES R. ARTHUR (A.B., Gordon College, 1950) . . . . . South Thomaston

HAYDEN ERVIN ATWOOD (B.S., Maine, [Farmington], 1970) . . . . . Kingfield

|  |                  |
|--|------------------|
| JEAN M. BELL (B.A., Ashbury College, 1947) .....   | Guilford         |
| JEANNE BURNETTE (B.A., Maine, [Portland-Gorham], 1972) .....   | Brunswick        |
| LUCY ROBINSON BUTLER (B.A., Maryland College, 1941) .....  | Damariscotta     |
| CAROLYN KNIGHT CLARKE (B.A., Maine, [Orono], 1968) .....   | Portland         |
| HELEN MAHANY FISHER (B.S., Douglass College, 1947) .....   | Rumford          |
| MARCIA LEE FLETCHER (B.A., Tufts University, 1969) .....   | Calais           |
| CATHERINE VAN DYKE GOULD (B.A., Maine, [Orono], 1972) .....  | Bangor           |
| GERDA SCHILD HAAS (B.A., Bates College, 1971) .....  | Lewiston         |
| DOROTHY STRATTAN HINSHAW (B.A., Earlham College, 1956) .....   | Orono            |
| MARY ELIZABETH HOULIHAN (B.A., Merrimack College, 1970) .....  | Bangor           |
| CLARA ELIZA HUTCHINS (B.S., Farmington State Teachers<br>College, 1953) .....                                  | Brunswick        |
| LILY MASILAMANI JOHN (B.A., B.T., University of Madras, 1945,<br>1953; M.Ed., University of Delhi, 1964) ..... | Milltown         |
| DAVID ALBERT JOHNSTON (B.A., Barrington College 1965) .....  | Fairfield        |
| ELIZABETH S. KIRALIS (B.S., St. Lawrence University, 1944) .....   | East Vassalboro  |
| SIMONNE C. LAFLAMME (B.S., St. Joseph's College, 1969) .....   | No. Windham      |
| VERNON R. LINDQUIST (B.S., Maine, [Orono], 1966) .....   | Lincoln          |
| FRANCIS DOUGLAS RONCO (B.S., Maine, [Orono], 1966) .....   | East Millinocket |

### MASTER OF MUSIC

|  |       |
|--|-------|
| JOHN DELYLE THOMAS (B.M.E., Morningside College, 1968) ..... | Orono |
|--|-------|

### MASTER OF PUBLIC ADMINISTRATION

|  |            |
|--|------------|
| ALBERT THOMAS BREEN, JR. (B.A., Maine, [Orono], 1969) .....        | Augusta    |
| HARVEY ANNE BRICE HARRIS (B.A., Maine, [Orono], 1972) .....        | Waterville |
| DENNIS PETER KING (B.A., Maine, [Orono] 1971) .....                | Old Town   |
| FRANCIS PETER MCCARRON (B.A., Maine, [Orono], 1970) .....          | Auburn     |
| ORTON MUNRO (B.A., Hamilton College, 1960) .....                   | Augusta    |
| PAUL THOMAS SOUCIE (B.A., Maine, [Orono], 1973) .....              | Old Town   |
| STEPHEN ELLIS SWADLEY (B.A., Maine, [Orono], 1971) .....           | Augusta    |
| DONALD JOHN ZERO (M.S., Newark College of Engineering, 1971) ..... | Augusta    |

### MASTER OF SCIENCE

#### IN AGRICULTURAL AND RESOURCE ECONOMICS

|  |            |
|--|------------|
| ROBERT CLIFTON GREEN (B.S., University of Massachusetts,<br>1969) .....                      | Dalton, MA |
| Title of Thesis: An Analysis of the Impact of Market<br>Information Upon Maine Potato Prices |            |

#### IN AGRONOMY

|   |              |
|---|--------------|
| THOMAS BENJAMIN SAVIELLO (B.S., University of Tennessee,<br>1972) .....   | Medfield, MA |
| Title of Thesis: Soil and Topographical Factors Con-<br>tributing to the Fragility of the Sugarloaf Mountain<br>Ecosystem |              |

**JASWANT SINGH TOMAR (B.S., Agra University, 1957)** ..... Orono  
Title of Thesis: Chemical and Mineralogical Composition of Caribou and Perham Soils in Relation to Weathering and Soil Formation

**IN ANIMAL SCIENCE**

**THOMAS ANTHONY YAZWINSKI (B.S., University of Vermont, 1972)** ..... Deerfield, MA  
Title of Thesis: Investigations into the Incidence and Seasonal Prevalence of Bovine Gastrointestinal Helminths in Representative Maine Dairy Herds

**IN BIOCHEMISTRY**

**ROGER ALLEN HURLBURT (B.S., Maine, [Orono], 1969)** ..... Carmel  
Title of Thesis: A Comparison of Blood Components of Children of Two Different Socio-Economic Levels

**IN CHEMICAL ENGINEERING**

**RAYMOND ROLAND PARENT (B.S., Providence College, 1972)** ..... Lewiston  
Title of Thesis: Fracture Surface Morphology of Two Phase Polystyrene/Poly(methyl Methacrylate) Systems

**PAUL VICTOR PLOURDE (B.S., Maine, [Orono], 1973)** ..... Madawaska  
Title of Thesis: Induced Air Mixing

**WILLIAM DAVID PRINCE (B.S., Maine, [Orono], 1972)** ..... Sabattus  
Title of Thesis: Reverse Osmosis and Pervaporation of N-Hexane Through Polyethylene Membranes: A Theoretical and Experimental Study

**IN CIVIL ENGINEERING**

**PATRICK FRANCIS LAFAYETTE (B.S., Worcester Polytechnic Institute, 1972)** ..... Bangor  
Title of Thesis: Evaluation of Physical-Chemical Treatment of Chiller Water for Reuse at a Poultry Processing Plant

**IN EDUCATION**

**DANIEL OLMSTEAD (B.S., Maine, [Machias], 1973)** ..... Bangor  
Title of Thesis: Some Effects of Choice on the Ability of Second Graders to Learn Words from Dictated and Published Stories

**IN ELECTRICAL ENGINEERING**

**DAVID LEO HERRICK (B.S., Maine, [Orono], 1972)** ..... Old Town  
Title of Thesis: A Gradient Oriented Computer Program for Optimizing Two-Part Microwave Networks

**WILLIAM HARTLEY JEFFREY (B.S., Massachusetts Institute of Technology, 1967)** ..... Orono  
Title of Thesis: Reduction of the Subjective Effects of Quantization Noise in PCM Speech Transmission

IN FORESTRY

- DONALD LOTHROP COLDWELL (B.S., Maine, 1971) ..... Bangor  
Title of Thesis: Analysis of Strength Characteristics of  
Eastern Spruce Plywood
- JOHN ANTHONY YARIE (B.S., West Virginia University, 1971) ..... Sun City, FL  
Title of Thesis: Respective Effects of Eleven Soil Nu-  
trients upon Growth Parameters of Even-Aged Stands of  
Spruce and Balsam Fir in Western Maine

IN HUMAN DEVELOPMENT

- DAVID GEORGE BROADBENT (B.A., Maine, [Orono], 1968) ..... Brewer  
Title of Thesis: Personality Characteristics and Atti-  
tudes toward Women of Married, Divorced, and Single  
Men
- CAROL ELLEEN CARTER (B.A., Maine, [Orono], 1966) ..... Anson  
Title of Thesis: Marital Satisfaction and Patterns of  
Interaction in Traditional and Equalitarian Marriages
- GAIL ANNE SMALSTIG OTTO (B.S., Pennsylvania State  
University, 1969) ..... Orono  
Title of Thesis: A Critical Analysis of the Missouri  
Children's Picture Series as Applied to Five Through  
Eight Year Old School Children from Two Educational  
Status Groups

IN MICROBIOLOGY

- DOUGLAS JOHN MCALLISTER (B.S., Maine, [Orono], 1969) ..... Bangor  
Title of Thesis: The Isolation and Characterization of  
an Unidentified Phospholipid Extracted From the Marine  
Pseudomonad, MB 45
- LINDA LOU VOSE (B.A. Occidental College, 1963) ..... Bangor  
Title of Thesis: Microbiological Examination of Mussels  
from the Maine Seacoast

IN PHYSICS

- RICHARD ROBERT HUCEK (B.A., Colorado College, 1972) ..... Joliet, IL  
Title of Thesis: A First-Principles Psuedopotential Cal-  
culation for Obtaining the (ns) Energy Levels of the K  
and Na Atoms
- THEODORE EDWARD KUBASKA (B.A., B.S., Brown University, 1969) ..... Orono  
Title of Thesis: A Study of the Influence of Electric  
Fields on the Molecular Alignment of a Liquid Crystal  
by Pulsed Nuclear Magnetic Resonance
- WEBER SHU-WEI YEN (B.S., SUNY at Stony Brook, 1971) ..... Orono  
Title of Thesis: Hemolysis Induced by Hydrodynamic  
Shearing

IN ZOOLOGY

MICHAEL ALLEN KYTE (B.S., University of Washington, 1968) . . . . . Freeport  
Title of Thesis: The Systematics and Zoogeography of  
Ophiuroidea Collected by the R/V VEMA from the  
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CERTIFICATE OF ADVANCED STUDY

IN GUIDANCE

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IN LANGUAGE ARTS

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IN PHYSICAL EDUCATION

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IN SCIENCE EDUCATION

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IN TEACHING

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College, 1968) . . . . . Old Orchard Beach

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### DOCTOR OF EDUCATION

- ALAN HALE DAVIS (B.Ed., Keene State College, 1953) ..... Plymouth, NH  
Title of Thesis: The Validation of a Semantic Differential Instrument Used to Predict the Type of Classroom Behavior Which Elementary School Teachers Exhibit While Teaching the ESS Program
- JAMES ALEXANDER HILL FRASER (B.A., Maine, [Orono], 1962; M.Ed., McGill University, 1968) ..... Wolfville, N.S.  
Title of Thesis: The Effects of Empathy Training on Prospective Teacher's Empathetic Abilities, Self-Concepts, and Attitudes Toward Pupils.
- AVERY BLAIR MCCORDICK (B.A., B.Ed., University of New Brunswick, 1961, 1962) ..... Fredericton, N.B.  
Title of Thesis: A Study of the Effects of a Planned Program of Educational-Occupational Information on the Knowledge, Aspirations and Self-Image of Rural Elementary School Children

### DOCTOR OF PHILOSOPHY

#### IN PLANT SCIENCE

- STEPHEN CRAIG RIDLEY (B.S., M.S., Maine, [Orono], 1963, 1970) ..... Guilford  
Title of Thesis: Effect of Storage Temperature on Tuber Composition and Mealiness as Measured by Extrusion Force and Brabender Viscosity of Kennebec Potatoes

#### IN PSYCHOLOGY

- WYNDHAM KENT ANGER (B.A., Stephen F. Austin State University, 1965) ..... Hebron, KY  
Title of Thesis: Performance of a Simultaneous Discrimination Between Lines of Vertical and Non-Vertical Orientation as a Function of Cortical Lesions in the Rat
- THOMAS DAVID NELSON (B.A., University of Minnesota, 1967) ..... Bangor  
Title of Thesis: Interresponse Time as a Stimulus: Discrimination and Emission of Interresponse Time by Pigeons
- ROBERT LLOYD REYNES (A.B., Fairfield University, 1965) ..... Dayton, OH  
Title of Thesis: Variations in Regressive Imagery During Psychoanalytic Therapy

#### IN ZOOLOGY

- ROBERT WILLIAM CRIPPEN (B.S., M.S., California State College, 1966, 1968) ..... Toronto, Ont.  
Title of Thesis: Some Thermal Effects of a Simulated Entrainment Regime on Marine Plankton





