The Fall Commencement of Michigan State University

UNIVERSITY AUDITORIUM

EAST LANSING
The Fall Commencement of Michigan State University
ACADEMIC COSTUME

The pageantry and color at commencement exercises reveal a record of academic achievement of the various individuals taking part in the exercises. The following brief description is given that the audience might more readily interpret such achievement.

In 1894, the Intercollegiate Commission, a group of leading American educators met at Columbia University to draft a code which would serve to regulate the design of gowns and hoods indicating the various degrees as well as the colors to indicate the various faculties. This code has been adopted by most of the colleges and universities in America and its use has made identification of scholastic honors an immediate activity.

Three types of gowns are indicated by the code. Those worn by the bachelors are made of black worsted material and have long, pointed sleeves. Those worn by masters may be made either of black silk or black wool and have long, closed sleeves with the arc of a circle near the bottom. The arm goes through a slit, giving the appearance of short sleeves for the master's gown. Doctor's gowns are made of black silk and are faced with velvet. The sleeves are full, round and open with three bars of velvet on each sleeve. The velvet facing of bars on the sleeves may be black or the same color as the binding of the hood.

Hoods are made of material identical with the gown and are lined in the official academic color of the institution conferring the degree. If the institution has more than one color, the chevron is used to introduce the second color. Colored velvet or velveteen binds the hoods and indicates the department or faculty to which the degree pertains.

Historical associations of color have been continued to signify the various faculties. Art and letters can be recognized by the white, taken from the traditional white fur trimming of the Oxford and Cambridge Bachelor of Arts hoods. Red, long traditional of the church, indicates theology. The royal purple of the King's court signifies law. The green of medicinal herbs immediately identifies a medical degree. Philosophy is signified by the color of wisdom and truth, blue. Because through research untold wealth has been released to the world, science is identified by golden yellow. Oxford pink indicates music and russet brown, the color of dress worn by ancient English foresters, indicates forestry.

The wording of the degree determines the color of the velvet of the hood. For example, a Master of Science in Engineering would be signified by golden yellow (science) instead of the orange of engineering. A Bachelor of Engineering would wear the orange of Engineering.

At Michigan State University, it is customary to identify the bachelors graduating from the different departments of study by tassels of the official department color as established by the Intercollegiate Code.

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<td>Russet</td>
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<td>Music</td>
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ORDER OF CEREMONIES

PROCESSIONAL

March Pontificale ............................................. Gounod
Michigan State University—Band—Professor Leonard Falcone, Director

AMERICA .......................................................... Smith

My Country, 'tis of thee,
Sweet land of liberty,
    Of thee I sing!
Land where my fathers died;
Land of the Pilgrim's pride;
From ev'ry mountain side
    Let freedom ring!

INVOCATION

The Reverend Robert C. Gardner
Minister to Married Students
All Saints Episcopal Church
East Lansing, Michigan

ADDRESS

Irwin J. Lubbers, Ph. D., LL. D., Litt. D.
President, Hope College

CONFERRING OF DEGREES

President, Michigan State University

ALMA MATER .................................................... Traynor

M.S.U. we love thy shadows
When from these scenes we wander
When twilight silence falls,
And twilight shadows fade,
Flushing deep and softly paling
Our mem'ry still will linger
O'er ivy covered halls.
Where light and shadows played.
Beneath the pines we'll gather
In the evening oft we'll gather
To give our faith so true,
And pledge our faith anew,
Sing our love for Alma Mater
Sing our love for Alma Mater
And thy praises, M.S.U.
And thy praises, M.S.U.

BENEDICTION

The Reverend Robert C. Gardner

RECESSIONAL

Crown Imperial ................................................ Walton

The escorts for the procession are members of Mortar Board, an honorary society for senior women.
The audience is requested to remain seated while those in the procession are entering and leaving the auditorium.
BOARD OF TRUSTEES

Michigan State University operates under the jurisdiction of a constitutional body known as the Board of Trustees. The six elected members serve six-year terms. Two are elected biennially from the state at large.

The President of the University is appointed by the Board and is by constitutional provision the presiding member of that body.

The Board likewise appoints a Secretary and a Treasurer. The State Superintendent of Public Instruction is an ex officio member of the Board.

THE HONORABLE CONOR D. SMITH, Chairman . . . . . . . . . Pinconning
THE HONORABLE CLARK L. BRODY . . . . . . . . . . . . . . . Lansing
THE HONORABLE C. ALLEN HARLAN . . . . . . . . . . . . . . Detroit
THE HONORABLE ARTHUR K. ROUSE . . . . . . . . . . . . . Boyne City
THE HONORABLE DON STEVENS . . . . . . . . . . . . . . . Okemos
THE HONORABLE JAN B. VANDERPLOEG . . . . . . . . . . . North Muskegon

THE HONORABLE LYNN M. BARTLETT, Ex Officio . . . . . . . . . Lansing
JOHN A. HANNAH, Ex Officio, President . . . . . . . . . . East Lansing
KARL H. McDOANEL, Secretary . . . . . . . . . . . . . . . . . . East Lansing
PHILIP J. MAY, Treasurer . . . . . . . . . . . . . . . . . . . . . East Lansing
MICHIGAN STATE UNIVERSITY

As one of the leading land-grant universities and the first agricultural college in the nation, Michigan State University provides a technical, practical and cultural education for its student body, in addition to extensive research and extension services to the people of Michigan.

Now in its 104th year, Michigan State University has grown from three buildings and six faculty members to one of the ten largest universities in the nation. It has approximately 2,000 staff members engaged in teaching, research and public service, 98 permanent and 450 temporary buildings, and almost 4,200 acres of land, including 900 acres in the campus area proper.

Founded in 1855 to educate youth for the major occupation of that day—farming—Michigan State University has broadened its offerings as young people, preparing for other vocations, have sought the advantages of university training. Today, Michigan State University has eight colleges—Agriculture, Business and Public Service, Communication Arts, Education, Engineering, Home Economics, Science and Arts, Veterinary Medicine—and the School for Advanced Graduate Studies, and offers 130 different courses of study, 70 of these on the graduate level. This excludes the curriculum of the Basic College, which has been recognized as one of the most progressive ideas for higher education in the nation today, and the Honors College established in 1957 as a unique program designed for the superior student. All students finishing their freshman year with a "B plus" average, or attaining this average in their sophomore year, have the option of entering the Honors College. Once a student is designated an Honors College scholar, all requirements for his graduation from Michigan State (other than total number of hours) are waived. He is assigned a special adviser in his field of major interest and together they work out a program appropriate for the individual.

Michigan State University continually strives to expand its service to the people of the state through the Agricultural Experiment Station, the Cooperative Extension Service and the Continuing Education Service. The Agricultural Experiment Station conducts research on campus and at five off-campus substations. Through the Michigan Cooperative Extension Service, more than 333,000 families are reached with technical information on agriculture, homemaking and the 4-H Club program. The field staff, located in every county, extends M.S.U.'s campus into every township in Michigan. During the 1958-59 year, the Continuing Education Service reached more than 100,000 persons in programs conducted both on campus and in local communities.

Today, more than 19,000 students from Michigan and other states and from nations all over the world are attending the University at East Lansing—about 9,000 of whom are housed on the campus proper. With about 85 percent of these students coming from communities in every section of the state, Michigan State University is doing its part to fill the greatly increased demand of the younger generation for higher education.

In the agricultural, business and professional fields, Michigan State University has proved its worth to the people of the State of Michigan, paying dividends many times the appropriation for its maintenance each year by the state and national governments. Noted for its democratic and friendly spirit, the student body harmonizes with the University faculty to make Michigan State University a first-class educational institution.
COLLEGE
OF
AGRICULTURE

The candidates will be presented by DEAN THOMAS K. COWDEN

DEGREE OF BACHELOR OF SCIENCE

Rhea Ann Acker
Floriculture
Coleman
Bruce R. Hathaway
Packaging
Royal Oak

William John Backman
Packaging
Lansing
George Edward Hawkins
Dairy Manufacturing
Mt. Clemens

Charles Richard Barry
Wood Processing and Technology
Columbus, Ohio
A. Roger Herrett
Forestry
East Lansing

Robert Allen Benson
Packaging
Detroit
William Carl Hover
Pomology and Vegetable Production
Bangor

Loren William Berndt
Soil Science
Bridgman
Ellis George Humphrey
Forestry
Bear Lake

Emmanuel Bruce-Okine
Forestry
Accra, West Africa
Eldon Lee Johnson
Agricultural Economics
Lakeview

*Marshall Nils Brunden
Lumber and Building Materials Merchandising
Coloma
James Chappell Johnson
Residential Building
Royal Oak

James Alan Ebmeyer
Packaging
Lansing
Peter Anthony Juliano
Residential Building
Buffalo, N. Y.

Daniel David Feather
Pomology and Vegetable Production
Berrien Springs
Lauris Kalnins
Agricultural Mechanics
Middleville

John Ellis Forte
Floriculture
Charlotte
Jack Gunn Kiplinger
Packaging
Owosso

*Robert Michael Friebe
Residential Building
Kawkawlin
David Harold Klink
Ornamental Horticulture
Old Castle, Canada

John Paul Greenshield
Animal Husbandry
East Lansing
Alden W. Liimakka
Forestry
Wakefield

Harold Richardson Grieve
Packaging
Roscommon
Alexander MacKenzie
Croton on Hudson, N. Y.
Packaging

Harold Thorwald Hansen
Forestry
Appleton, Wis.
Charles Homer Maine
Agricultural Mechanics
Hamilton, N. Y.

Keith W. Harmon
Fisheries and Wildlife
Valparaiso, Ind.
Nancy Lynn Manz
Floriculture
East Lansing

Ronald Merle Harwood
Packaging
Owosso
Dennis Eugene Marlowe
Forestry
Grand Rapids

*With Honor
COLLEGE OF AGRICULTURE
DEGREE OF BACHELOR OF SCIENCE (Continued)

Lawrence Lane Meyer  
*With Honor  
Agricultural Mechanics  
Northville

Alan L. Middleton  
Pomology and Vegetable Production  
Northport

Donald George Musser  
Packaging  
Lansing

Rudolph Mathew Nigl III  
Forestry  
Oshkosh, Wis.

David Henry Nowak  
Packaging  
Alpena

James Ward Patt  
Agricultural Mechanics  
Charlotte

Douglas Evan Pider  
Farm Crops  
Hart

Bruno Peter Pollesel  
Residential Building  
Copper Cliff, Canada

Oren William Quick  
Residential Building  
Port Hope

John Edward Robertson  
Packaging  
Short Hills, N. J.

Harold Leon Robson  
Park Management  
Reed City

Ronald Wayne Rybicki  
Fisheries and Wildlife  
Lansing

Allen Elmer Schuette  
Soil Science  
East Detroit

*Reinhard Hans Schumann  
Forestry  
Temperence

Richard Maurice Shaw  
Soil Science  
Fenwick

Lawrence Frederick Strong  
Animal Husbandry  
Houston, Tex.

Siavash Tavallai  
Farm Crops  
Shiraz, Iran

Patricia Louise Terrill  
Floriculture  
Lansing

Adjei Tetteh  
Farm Crops  
Accra, West Africa

Walter Chesley Tubandt  
Soil Science  
Lansing

Clarence Alfred Tyler  
Lumber and Building Materials Merchandising  
Lake Odessa

William Wheeler Ullman  
Farm Crops  
Beverly, Ohio

Horacio Valdes  
Dairy Production  
Panama, Panama

Donald Frank VanEynde  
Forestry  
River Grove, Ill.

*Wilfred Francis Wardowski II  
Pomology and Vegetable Production  
Leslie

Richard Joseph Wenke  
Packaging  
Ocean, N. Y.

Radford Royce Whiteman  
Fisheries and Wildlife  
San Diego, Calif.

Robert William Wohlfeil  
Residential Building  
Dearborn

Robert Arthur Wood  
Residential Building  
San Gabriel, Calif.

Benjamin F. Zimmerman, Jr.  
Residential Building  
Rapid City

DEGREES RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

BACHELOR OF SCIENCE

Kay Norman Erickson  
Agricultural Education  
Coloma

Earl Gordon Herrmann  
Agricultural Education  
Petoskey

Robert Richard Keith  
Agricultural Education  
Taylor

Richard Lee Kent  
Agricultural Education  
Lansing

George Gordon Portice  
Agricultural Education  
Skanee

Bill Joseph Roubal  
Agricultural Education  
Suttons Bay

*With Honor
DEGREE OF MASTER OF SCIENCE

Richard John Aulerich  
*Fisheries and Wildlife*  
Whittemore

Frederick Martin Joffe  
*Food Technology*  
Evanston

Richard Blaine Bailey  
*Agricultural Extension*  
Kalamazoo

Elizabeth Ann Jones  
*Agricultural Extension*  
Chilhowie, Va.

Celio Barriga-Solorio  
*Farm Crops*  
Jacona, Mexico

Ronald Everett Kampe  
*Agricultural Economics*  
East Lansing

George William Bingley  
*Agricultural Engineering*  
Burlington

Charles Louis Lang  
*Agricultural Extension*  
St. Clairsville, Ohio

William Ross Bolger  
*Agricultural Economics*  
Ariss, Canada

Howard Melvin Latimer  
*Agricultural Economics*  
Lokesburg, Ark.

Hugh Fleming Clifford  
*Fisheries and Wildlife*  
Kane, Pa.

Hugh Elvin Lockhart  
*Forest Products*  
Northville

Dale Robert Cree  
*Forest Products*  
Parchment

Virgil Dean Luedders  
*Farm Crops*  
Bremen, Kan.

Dean Dell Doell  
*Fisheries and Wildlife*  
Madison, Wis.

Lowell Dale Metters  
*Forest Products*  
Ithaca

Delwyn Arthur Dyer  
*Agricultural Extension*  
Dafter

Donald Moore  
*Fisheries and Wildlife*  
Kingston, Mass.

Edward H. Farmer  
*Poultry Science*  
Lansing

Carl Thomas Morton  
*Agricultural Engineering*  
Falmouth

Lucien Parman Fay  
*Agricultural Education*  
Holt

Homer Nelson Patterson  
*Resource Development*  
Otsego

Harold Raymond Ferris  
*Agricultural Extension*  
Morenci

John Charles Peters  
*Fisheries and Wildlife*  
Detroit

Lawrence Eugene Foote  
*Farm Crops*  
Mt. Pleasant

J. B. Poffenberger  
*Resource Development*  
Pontiac

Donald James Graham  
*Food Technology*  
LeRoy, N.Y.

Eugene Franklin Reinke  
*Dairy*  
Wanatah, Ind.

Ronald A. Hagaman  
*Agricultural Economics*  
Hillsdale

Putnam Sumner Robbins  
*Forest Products*  
East Lansing

Marvin Edward Heft, Jr.  
*Agricultural Engineering*  
Grand Rapids

Lucio Rodriguez, G.  
*Poultry Science*  
Honda, Colombia

Friedrich Johann Henningsen  
*Dairy*  
Jackson

Harold William Schmalfield  
*Horticulture*  
Schiller Park, Ill.

Robert Paul Heslip  
*Horticulture*  
Northville

Hari Mohan Singh  
*Soil Science*  
Tilkamanjhi, India

Percival Emanuel Jackson  
*Farm Crops*  
Jamaica, West Indies
Allan Curtis Slye
*Animal Husbandry*
Escanaba

Robert Mitchell Stokes
*Fisheries and Wildlife*
Ramsey, Ill.

Noel Ward Struckman
*Agricultural Economics*
Nappance, Ind.

Robin Lewis Vannote
*Fisheries and Wildlife*
Morristown, N.Y.

Eugene Brummer Welch
*Fisheries and Wildlife*
Bunker Hill, Ill.

Robert Herrick Wilkinson
*Agricultural Engineering*
Quincy

John Henry Wolford
*Poultry Science*
Osgood, Ind.

Glenn W. Woodley
*Agricultural Economics*
Columbia, N.C.
## DEGREE OF BACHELOR OF SCIENCE

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*With Honor

## DEGREE OF MASTER OF SCIENCE

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<td>Mechanical Engineering</td>
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<td>Jackson</td>
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<td>*Stephen Wolownik</td>
<td>Lawton</td>
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<td>Chemical Engineering</td>
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*With Honor*
DEGREE OF BACHELOR OF SCIENCE

Nancy Ann Gullen  Pontiac  Nutrition
Janet Ruth Huff Allegan  Clothing and Textiles-Retailing
Nellie de Silva Jayasekera Colombo, Ceylon  General Home Economics
*Jean Louise Kleinschmidt Ludington  Nutrition

Ayano Luisa Ohashi  Chicago, Ill.  General Related Arts
Dorcas Marie Sherman  Midland  Nutrition
Jean Audrey Wallace  Detroit  General Home Economics

DEGREES RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

BACHELOR OF SCIENCE

Carol Ann Andree  Ann Arbor  Home Economics Teaching
*Donna Holden Barratt  DeWitt, N. Y.  Child Development and Teaching
Julie Ann Goodrich  Onsted  Home Economics Teaching
Joyce Yasuko Harada  Kapaa, Hawaii  Child Development and Teaching
*Patricia H. Hopper  Coshocton, Ohio  Home Economics Teaching

Patty Sue McGuigan  Dearborn  Home Economics Teaching
*Lois Margaret Pitcher  Stanton  Home Economics Teaching
Margaret Anne Rusch  Fredonia, N. Y.  Child Development and Teaching
Suzanne Elizabeth Benson Stewart  East Lansing  Home Economics Teaching
Nancy Lee Wonser  Mulliken  Child Development and Teaching

DEGREE OF MASTER OF ARTS

Elaine Autumn Durst  Chicago, Ill.  Clothing and Textiles

Zarina Nazir  Lahore, West Pakistan  Child Development

DEGREE OF MASTER OF SCIENCE

Betty Bondurant Brown  Murray, Ky.  Nutrition
Joan Elaine Cannon  West Hill, Canada  Nutrition

Robert Vernon Cole, Jr.  Atlanta, Ga.  Institution Administration
Janet Evelyn Hall  Ovid  Institution Administration
DEGREE OF BACHELOR OF SCIENCE

John Joseph Gregurek
Medical Technology
Lansing

*Theresa Patricia O'Leary
Medical Technology
Niagara Falls, N.Y.

*Robert Arthur Holmes
Veterinary Medicine
Stambaugh

Joyce Aileen Remsberg
Medical Technology
Alma

Janet Decima Howard
Medical Technology
Ypsilanti

DEGREE OF MASTER OF SCIENCE

David James Ellis
Surgery and Medicine
East Lansing

Edward James Hinsman
Surgery and Medicine
Wyandotte

John Henry Greve
Animal Pathology
Birmingham

Ulreh Vogt Mostosky
Surgery and Medicine
Land O'Lakes, Ill.

DEGREE OF BACHELOR OF ARTS

Donald MacLeod Annand
Social Science Divisional
Armada

Carol Lee Confer
Music Therapy
Detroit

Thomas Robertson Baird
Social Science Divisional
Saginaw

Walter Cornell
Psychology
Detroit

Richard A. Bayles
Social Science Divisional
Dimondale

Nunzio Donald Cotrone
Social Science Divisional
New Lothrop

James Barry Blackford
Humanities
Lansing

Romine Richard Deming
Psychology
Holt

Chester Edward Brock
Social Science Divisional
Niles

*Eunice Barnes de Turpaud
Social Science Divisional
Wallingford, Conn.

Michael Fredrick Caldwell
Social Science Divisional
Lake Orion

Raymond Dobkowski
Social Science Divisional
Warren

*With Honor
DEGREE OF BACHELOR OF ARTS (Continued)

Gerald William Eminger  
Social Science Divisional  
Detroit  
Mary Ann Lynch  
English  
Grosse Pointe Farms

Cynthia Henderson Fates  
Social Science Divisional  
Montclair, N. J.  
Joyce B. Mahoney  
Art  
East Lansing

Daniel Scobie Follis  
Psychology  
Grosse Pointe  
John George Manders  
History  
Detroit

Clyde Leroy Frost  
Social Science Divisional  
Perry  
*John Maski  
Psychology  
Lansing

Stanton Harvey Goldberg  
Social Science Divisional  
Albany, N. Y.  
Peter Anthony McKinnon  
History  
Glasgow, Scotland

Gordon Frederick Griffes  
Psychology  
Jackson  
C. Linda McLaughlin  
Social Science Divisional  
Winchester, Mass.

Anna Maria Hargrove  
English  
Royal Oak  
*Thomas A. Murphy  
Psychology  
Okemos

Richard Alan Holland  
Biological Science Divisional  
Bath  
John Benjamin Osborne, Jr.  
Social Science Divisional  
Birmingham

Helen R. Hovis  
Fine Arts Divisional  
Eaton Rapids  
†Doris DeVries Parker  
Art  
Jackson

Barbara Ann Hurlbut  
Psychology  
Otsego  
Fred Henley Porterfield  
Social Science Divisional  
Saginaw

Wendell Allen Jacobs, Jr.  
Social Science Divisional  
Newark, Ohio  
Donald William Proud  
Psychology  
Flat Rock

Dennis Raymond Jensen  
Psychology  
Chicago, Ill.  
Francisco Rania, Jr.  
Social Science Divisional  
Honolulu, Hawaii

Neil Wayne Johnson  
English  
Williamston  
Marlene Louise Roemer  
History  
Bay City

Barbara Rosalie Jones  
Art  
Detroit  
*James Faron Roggow  
Social Science Divisional  
Lansing

Margaret Louise Kalmus  
Foreign Studies  
Detroit  
Graham Steele Ruscoe  
German  
Battle Creek

John Cyrus Kenely  
Social Science Divisional  
Detroit  
Edwin Lyle Schipple  
Geography  
Lathrup Village

George Raymond Kerciu  
Art  
Plymouth  
*Edwin Frederick Schultz  
Psychology  
Saginaw

Frank Joseph Kerwin, Jr.  
Social Science Divisional  
Detroit  
Richard Arlan Selleck  
Psychology  
Lansing

Mary Ann Lathrop  
Sociology and Anthropology  
Durand  
Philip Christ Shaskos  
History  
Dearborn

Joseph Henry MacNabo  
Social Science Divisional  
Detroit  
Marjorie Jean Soderberg  
Art  
Lansing

*With Honor  
†With High Honor
DEGREE OF BACHELOR OF ARTS (Continued)

George Henry Spies  
Social Science Divisional  
Elkhart, Ind.

Shirley Ann Szymanski  
Psychology  
South Haven

Mark Thomas Tate  
Social Science Divisional  
New Castle, Pa.

Arnold Gene Taylor  
Social Science Divisional  
Fenton

Judith Leone Teichman  
Social Science Divisional  
Eau Claire

Stephen Eric Thomas  
Industrial Design  
Gaylord

Mary J. Toth  
History  
Ecorse

Richard Lee VanDerVoort  
Philosophy  
Belleville

Louis Roller Vestosky  
Psychology  
Grand Rapids

Patricia Daphne Walker  
Psychology  
Inkster

*Judith Kathleen Webster  
Social Science Divisional  
Detroit

Thomas Scott Werthmann  
Social Science Divisional  
Bloomfield

Norman James White  
Social Science Divisional  
Buffalo, N. Y.

Allen Alfred Witherspoon  
Social Science Divisional  
Kinde

*Antoinette Young  
English  
Oxford

DEGREES RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

BACHELOR OF ARTS

Janet Louise Avis  
Art Education  
Jackson  
Buff Kay Eymer  
Social Science Divisional  
Kalkaska

Bonnie Lou Brandon  
History  
East Lansing  
Sandra Jean Fair  
English  
St. Ignace

Betty Lou Brown  
History  
Morrice  
Dale D. France  
History  
Cheboygan

Barbara Anne Burkholder  
Spanish  
North Muskegon  
Delton Barry Harder  
Social Science Divisional  
Turner

John Emerson Converse  
Social Science Divisional  
Alpena  
*Werner Wilhelm Heine  
German  
Lansing

Robert Otis Cook  
History  
Grand Rapids  
*Robert Foster Hoffman  
History  
Monroe

Patricia Mary Costello  
History  
Highland Park  
George Harold Hormann, Jr.  
Social Science Divisional  
Oscoda

Doreen Ann Dale  
History  
Saginaw  
*Gretchen Gail Jagow  
English  
Lapeer

John Frederick Danziger  
Social Science Divisional  
Dearborn  
Carol Jean Joslin  
Art Education  
Caro

*Norman Edward Dunham  
Mathematics  
Petoskey  
John Gardner Klooze  
Art Education  
Lansing

*With Honor
COLLEGE OF SCIENCE AND ARTS
DEGREES RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

BACHELOR OF ARTS (Continued)

Gerald Nelson Laughlin  
History  
Ann Arbor  
*Nancy Ann Richards  
History  
Livonia
Anastatia Louise Laurence  
Art Education  
Traverse City  
Sharon Lee Riordan  
Art Education  
Oak Park, Ill.
Janet A. LaVeau  
Social Science Divisional  
Lansing  
Anne Ruth St. Clair  
Social Science Divisional  
Birmingham
Dale Wendell Lopus  
History  
Johannesburg  
George William Siebert  
Social Science Divisional  
Lansing
Robert Louis Mattson  
Sociology and Anthropology  
Ontonagon  
Frances Anne Steimle  
English  
Detroit
Charles Ellison McNeilly  
History  
Grass Lake  
Andrew J. Turner  
History  
Yardley, Pa.
Margaret Helen Murphy  
English  
Livonia, N.Y.  
Claude Albert Vail  
History  
Bath
Sandra Ann Peck  
Art Education  
Covert  
James Harry Wingerter  
English  
Lansing
Thomas George Rasmussen  
History  
Lincoln Park

DEGREE OF BACHELOR OF SCIENCE

Patricia Ann Asiala  
Mathematical and Physical Science Divisional  
Brethren  
Larry Gene Hodge  
Zoology  
Lansing
James Paul Covell  
Zoology  
Auburn, Ind.  
†William Stephen Hudec  
Physics and Astronomy  
Windsor, Canada
John Bryn Davies  
Geology  
Plymouth  
Douglas Gene Hulett  
Mathematics  
Moscow
Robert Cashman Elliott  
Mathematical and Physical Science Divisional  
East Lansing  
Paul Robert Kilmer  
Mathematical and Physical Science Divisional  
Reed City
Robert Bruce Ewing  
Zoology  
East Lansing  
Edward Allison Kirkby  
Geology  
Lansing
Robert Emmet Foley  
Microbiology and Public Health  
Detroit  
Wing Kwong Leong  
Geology  
Detroit
Gerald Andrew Geile  
Mathematics  
Bay City  
Audrick Michael Lewis  
Zoology  
Houston, Tex.
Sam Gollo  
Mathematical and Physical Science Divisional  
East Lansing  
*Carol Ann Malan  
Mathematics  
Chicago, Ill.
Nancy Joan Herrmann  
Microbiology and Public Health  
Grand Rapids  
*Blanche Martin  
Mathematical and Physical Science Divisional  
River Rouge
William Bud Hewitt  
Mathematics  
Petoskey  
James Leo McKenna  
Microbiology and Public Health  
Ithaca

*With Honor
†With High Honor

16
DEGREE OF BACHELOR OF SCIENCE (Continued)

Thomas Alexander McNees  Mathematics  Gladwin  Leon Edgar Schworm  Geology  Traverse City
Howard John Meyer  Geology  Kitchener, Canada  Patricia Jeanne Spinrad  Microbiology and Public Health  East Lansing
Donald James Moore  Geology  Niles  Jack Michael Stack  Zoology  Frankfort
Anne Louise Olson  Nursing  Wayne  Daniel William Sullivan  Physics and Astronomy  Alma
Caryl Edna Robinson  Zoology  New Lenox, Ill.  Dorothy Brockway Townsend  Biological Science Divisional  Petoskey
Dennis Gary Rugg  Physics and Astronomy  Birmingham  Franklyn Eugene Wilcox  Geography  Lansing
*Rex E. Schilling  Mathematics  Hillsdale  Mary Catherine Wilson  Zoology  Birmingham

DEGREES RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

BACHELOR OF SCIENCE

Francis Gene Bocade  Zoology  Saginaw  William Carl Nyblade  Mathematics  Muskegon
Ronald Roy Johns  Mathematical and Physical Science Divisional  Wakefield  William Podorsek  Mathematics  Detroit
Dwight Harold Johnson  Mathematical and Physical Science Divisional  Saginaw  Nancy Susan Russell  Mathematical and Physical Science Divisional  Chicago, Ill.
Joseph John Kaczanowski  Mathematical and Physical Science Divisional  Port Huron  Douglas William Ruterbusch  Zoology  Bay City
Marjorie N. Krause  Biological Science Divisional  Homewood, Ill.  William Thyge Schmidt  Mathematics  Clinton
Hugh Haldeman Leeper  Mathematics  Wyandotte  Donald Raymond Sly  Zoology  Harrison
Daniel C. Marsh  Biological Science Divisional  Durand  Nohn Ellsworth Wagle  Mathematics  Saginaw

BACHELOR OF MUSIC

Margot Jackson Brisbin  School Music  Ann Arbor  Jo Ann Ruth Kellogg  School Music  Lansing

*With Honor
Walter William Sarata  
School Music  
Jackson  
Carol Ann Thome  
Applied Music  
Utica  

Donna Jean Sawatzke  
School Music  
Lapeer  
Robert Owen Wolters  
School Music  
Kalamazoo  

DEGREE OF MASTER OF ARTS  

Olivine Nadeau Bohner  
English  
Cedar Lake  
H. Ronald Kaufman  
History  
Des Plaines, Ill.  

Charles Mark Bourassa  
Psychology  
Wyandotte  
Sonia Sophi Kiriluk  
Geography  
Lambertville, Ohio  

Juan Antonio Calvo y Costa  
History  
Valencia, Spain  
Richard Seth Knowles  
Sociology and Anthropology  
Holt  

Leonard Peter Campos  
Psychology  
East Lansing  
William Duane Kukuk  
Psychology  
Cambria, Wis.  

James Arthur Clard  
Psychology  
Mason  
Irwin William Miller, Jr.  
Psychology  
Grand Rapids  

Donald A. Clelland  
Sociology and Anthropology  
Valdosta, Ga.  
Alexander John Muntean  
Sociology and Anthropology  
Niles  

Denise de Cousser  
Spanish  
Lansing  
Thomas Roger Odenkirk  
Geography  
Cleveland, Ohio  

David Jon DenHouter  
Psychology  
Ann Arbor  
Stephen Paul Pistono  
Social Science  
St. Charles  

Steven Emil Deutsch  
Sociology and Anthropology  
East Lansing  
Robert Ellis Powell  
Mathematics  
East Lansing  

Kathryn Ferguson  
Mathematics  
Upper Sandusky, Ohio  
Leona Lydia Steinfatt  
Business Education  
Lansing  

James Arthur Geschwender  
Sociology and Anthropology  
Niagara Falls, N.Y.  
Mark Herman Thelen  
Psychology  
Fowler  

Michael J. Gilhool  
History  
Dearborn  
Warren Dale Vanden Bosch  
Social Science  
Zeeland  

Eugene Richard Hall  
Psychology  
Flint  
Paul Raymond Vaughan  
Sociology and Anthropology  
Charlotte  

Richard Kenneth Haugen  
Geography  
Eau Claire, Wis.  
Richard Alvin Westmaas  
Psychology  
Tustin  

18
DEGREE OF MASTER OF SCIENCE

Richard Fernand Bernard
Zoology
New Auburn, Me.

Stuart William Bradford
Botany and Plant Pathology
Sparta

Michael Daniel Byer
Botany and Plant Pathology
East Lansing

Bill Dean Cook
Physics and Astronomy
Arnett, Okla.

David Lee Cross
Entomology
Ludington

Richard Boyce Dardas
Microbiology and Public Health
Bay City

Kenneth Gordon Day
Mathematics
Jackson

Wayne Leroy Frederick
Chemistry
Mt. Pleasant

Lewis Allan Gustafson
Geology
Lansing

Mary Ellen Haggerty
Anatomy
Wyandotte

John Carter Justice
Chemistry
Plainfield, N. J.

John William Kools
Microbiology and Public Health
Holland

Lois Cederberg Leffler
Chemistry
East Lansing

Aaldert Mennega
Zoology
Grand Rapids

Roland Arthur Mildner, Jr.
Botany and Plant Pathology
Ann Arbor

Roderick Kent Moore
Geology
Chesaning

Harlo M. Mork
Chemistry
Trenton

Faith Ingrid Naegeli
Geology
Fergus Falls, Minn.

Charles Samuel Nicoll
Physiology and Pharmacology
Lansing

Sharon Katherine Palmer
Zoology
Mason

William Kent Roth
Geology
Saginaw

Danute G. Sallauskas
Chemistry
Chicago, Ill.

John Egan Sander
Geology
Okemos

Clarence Star
Geology
Grand Rapids

James John Summary
Chemistry
Benton, Ill.

Sylvan Junor Thomas
Entomology
Saginaw

Earl Alexander Tieppo
Zoology
River Rouge

DEGREE OF MASTER OF ARTS FOR TEACHERS

Grover Edmiston Carter
Physics and Astronomy
East Lansing

Ronald Henry Engebrecht
Chemistry
Oregon City, Oreg.

James Hiram Fookes
Chemistry
Corunna

DEGREE OF MASTER OF MUSIC

Mary June Garn
Music
Charlotte
DEGREE OF BACHELOR OF ARTS

Ronald Allan Athey
Restaurant Management
Detroit

James Watson Beers
General Business Administration
Battle Creek

Roger Doyle Berg
Transportation
Sturgis

Carlos Berger
Hotel Management
LaPaz, Bolivia

Perry Berkebile
Transportation
Port Clinton, Ohio

Jacob Hilmer Best, Jr.
Hotel Management
Skokie, Ill.

Robert Eldridge Blackshaw
Personnel Administration
Ferguson, Mo.

Lawrence Henry Blyth
Economics
Buffalo, N.Y.

Richard Lawson Botsford
Production Administration
Grand Rapids

*Duane William Brown
Accounting
Morrice

William Everett Burch
General Business Administration
Flint

Ronald Roy Christensen
General Business Administration
Lansing

Eugene Harold Coller
Business Education
Clio

Robert James Cramp
General Business Administration
Buffalo, N.Y.

Leston Leon Crane
Marketing
Lansing

DeWitt William Cudd
Hotel Management
Port Arthur, Tex.

Paul Norman Damon
Personnel Administration
Shrewsbury, Mass.

Daniel Rodriguez delaRosa
Political Science
Oak Park, Ill.

Carl Newton Dennis
Economics
Royal Oak

Robert William Doll
Accounting
Detroit

Robert Lee Drulard
Accounting
Traverse City

James Joseph Duggan
Economics
Salamanca, N.Y.

Norman Chester Dykewicz
Accounting
Grand Rapids

Burton Royce Eckhardt
Accounting
Central Lake

James Edward English
Economics
Rudyard

*William Horton Errett
General Business Administration
Mineola, N.Y.

Julius Edumund Faust
Hotel Management
Port Huron

John Fedak
Banking
Hamilton, Canada

Henry Luke Fisher
Political Science
Lansing

James Hugh Gallagher, Jr.
Marketing
Kalamazoo

William Jones Gearing
General Business Administration
St. Clair

James Richard Gersonde
Marketing
St. Joseph

R. Douglas Gielow
Production Administration
Lexington

John G. Gillen
Accounting
Detroit

*With Honor
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<th>Degree</th>
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<td>Homer Paul Greer</td>
<td>Degree of Bachelor of Arts</td>
<td>Economics</td>
<td>McHenry, Ill.</td>
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<td>Donald Roy Halling</td>
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<td>John Peter Hanzas</td>
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<td>Restaurant Management</td>
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<td>Birmingham</td>
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<td>Lewis Cameron Hopkin</td>
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<td>Pontiac</td>
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<td>*David Alexander Hunt</td>
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<td>General Business Administration</td>
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<td>Davis Preston Hunt</td>
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<td>Hotel Management</td>
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<td>Harold Dean Huskey</td>
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<td>Personnel Administration</td>
<td>Covington, Tenn.</td>
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<td>Thomas Joe Josephsen</td>
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<td>General Business Administration</td>
<td>Toledo, Ohio</td>
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<td>Michael Everett King</td>
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<td>Farmington</td>
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<td>Robert Donlan Lane</td>
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<td>Downers Grove, Ill</td>
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<td>Robert Kiess Larson</td>
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<td>Personnel Administration</td>
<td>Greenvale, N.Y.</td>
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<td>Roger Jack Lee</td>
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<td>James Oliver Lewis</td>
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<td>*Larry Charles Littlefield</td>
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<td>Food Distribution</td>
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<td>George William Ludwig</td>
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<td>Ross Alan Marr</td>
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<td>Richard Phillips Maher</td>
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<td>Economics</td>
<td>Lakewood, N.Y.</td>
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<td>Donald Gregory Marsh</td>
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<td>General Business Administration</td>
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<td>Donald Joe McClishe</td>
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<td>Herbert Leslie McCullagh</td>
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<td>Buddy Lee McDougall</td>
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<td>Warren</td>
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<td>Keith LeRoy McGehee</td>
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<td>William Arvine McLain</td>
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<td>Economics</td>
<td>Massillon, Ohio</td>
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<tr>
<td>Maureen Helen Melberg</td>
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<td>Economics</td>
<td>LaGrange, Ill.</td>
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<tr>
<td>William George Mergard</td>
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<td>Production Administration</td>
<td>Royal Oak</td>
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<tr>
<td>Nancy Lee Mettner</td>
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<td>Social Work</td>
<td>Gary, Ind.</td>
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<td>John Joseph Mezo</td>
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<td>Production Administration</td>
<td>Port Huron</td>
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<tr>
<td>Gilbert D. Moreno</td>
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<td>Marketing</td>
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<td>Robin George Murray</td>
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<td>Political Science</td>
<td>Glenelg, Australia</td>
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<td>James Frederick Niven</td>
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<td>Restaurant Management</td>
<td>Kenmore, N.Y.</td>
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<td>David Lawson Noe</td>
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<td>Mount Clemens</td>
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<td>Frederick Arthur Oswald</td>
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<td>*James Alexander Payne</td>
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<td>Economics</td>
<td>Dearborn</td>
</tr>
</tbody>
</table>

*With Honor
COLLEGE OF BUSINESS AND PUBLIC SERVICE
DEGREE OF BACHELOR OF ARTS (Continued)

Louis Henry Perry  
*Insurance  
*Kalamazoo

Timothy David Peterson  
*Marketing  
*Battle Creek

Donald Raymond Price  
*General Business Administration  
*Winchendon, Mass.

John Richard Price  
*Accounting  
*Petoskey

Ronald Karl Rappold  
*General Business Administration  
*Detroit

Charles David Ream  
*Political Science  
*Springfield, Ill.

Robert LaVerne Rice  
*Marketing  
*Norwich, N.Y.

Gary Lee Robinson  
*Economics  
*Lansing

Norman F. Rodgers  
*Banking  
*Thompsonville

Donald Rosenthal  
*Institutional Management  
*Brooklyn, N.Y.

Jack Donald Rothley  
*Economics  
*Detroit

John Wayland Russell  
*Political Science  
*Orchard Lake

*Joseph Louis Ruth  
*Accounting  
*Port Austin

Sheldon Harold Safer  
*Marketing  
*Flint

Harriet Lenore Sax  
*Social Work  
*Detroit

Richard Emery Schaufelberger  
*General Business Administration  
*Honor

Louis Henry Schimmel, Jr.  
*Financial Administration  
*Pontiac

Leroy Francis Schnepper  
*Accounting  
*East Detroit

Otto Schubel  
*Personnel Administration  
*Lansing

Donn Morgan Scott  
*Political Science  
*Burlington, Vt.

Wallace Maurice Seegraves  
*Accounting  
*Potterville

Ronald Kenyon Segerlind  
*Economics  
*Grand Ledge

*Martin Bernard Shapiro  
*Political Science  
*Long Beach, N.Y.

Paul Reuben Shelby  
*Economics  
*Detroit

*Fredric Lyle Smith  
*General Business Administration  
*Dearborn

Paul Melvin Smith  
*Economics  
*Marlette

John Virgil Solomon  
*Production Administration  
*Royal Oak

Robert M. Spangler  
*Insurance  
*Perry

Russell Eugene Stump  
*General Business Administration  
*Jonesville

Reina Inez Tesch  
*Economics  
*Riverside, Ill.

George Joseph Thompson  
*Economics  
*Saginaw

Phillip Allan Trombley  
*General Business Administration  
*Nadeau

Frank Louis Vaccarelli  
*Economics  
*Wyandotte

Clarence Roger VanVuren  
*South Holland, Ill.  
*General Business Administration

Ray Watson  
*Social Work  
*Jackson

George Edward Weber  
*Economics  
*Saginaw

John Max Whitney  
*General Business Administration  
*Escanaba

Richard Mawning Ziegler  
*Institutional Management  
*St. Clair Shores

Robert Duane Zybich  
*Production Administration  
*Essexville

*With Honor

22
DEGREES RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

BACHELOR OF ARTS

David Charles Briegel
Business Education
Grand Rapids
Lynns DeWayne Kelly, Jr.
Business Education
Watersmeet
Keith Gerald Doelker
Business Education
Jackson
Robert Tamotsu Kimura
Business Education
Honolulu, Hawaii
Hugh D. Dorris, Jr.
Business Education
Royal Oak
James Edward Linderman
Business Education
Dearborn
Roberta Davison Higginbotham
Business Education
Ontonagon
Tom Arthur Ward
Business Education
Lansing
David Elmer Johnson
Business Education
White Cloud
John Martin Zimmerle
Business Education
Howell

DEGREE OF BACHELOR OF SCIENCE

*Russell Lynn Colling
Law Enforcement Administration
Wahoo, Nebr.
Edward Howard Doll
Landscape Architecture
Saline
Philip William Dondero
Urban Planning
Huntington Woods
John Thomas Donovan
Law Enforcement Administration
Cheboygan
Dennis James Gage
Law Enforcement Administration
Coldwater
Burt C. Hagerman
Industrial Security Administration
Grosse Pointe Farms
Joan Ann Hurtt
Prevention and Control of Delinquency and Crime
Lansing
Dale Edson Keaner
Law Enforcement Administration
Saginaw
Frederick Lytton Logan
Law Enforcement Administration
St. Joseph
Lee Carroll May
Law Enforcement Administration
Pontiac
Kenneth Charles Mills
Landscape Architecture
Perry
†James Keith Penn
Correctional Administration
Battle Creek
Roddy Clare Puffer
Industrial Security Administration
Milan
John Charles Rideout
Urban Planning
Toledo, Ohio
Douglas Neal Rindle
Industrial Security Administration
Lincoln Park
William John Schram
Industrial Security Administration
Lansing
Robert Allen Shadduck
Urban Planning
Lansing
Wayne Dean Smith
Law Enforcement Administration
Dafter
Nancy Jo Sullivan
Swartz Creek Prevention and Control of Delinquency and Crime
Thomas Vernon Wanbaugh
Law Enforcement Administration
Saginaw
Richard Michael Wesling
Milwaukee, Wis. Accounting
Larry C. Williams
Law Enforcement Administration
Elk Rapids
John Lewis Yankowsky
Law Enforcement Administration
Allen Park

*With Honor
†With High Honor
### DEGREE OF MASTER OF ARTS

<table>
<thead>
<tr>
<th>Name</th>
<th>Location</th>
<th>Degree</th>
<th>Major</th>
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<tbody>
<tr>
<td>Edward Marshall Cody</td>
<td>Chattanooga, Tenn.</td>
<td>Degree of Master of Arts</td>
<td>Business Education</td>
<td></td>
</tr>
<tr>
<td>Eliseo Reyes Cupino</td>
<td>Navotas, Philippines</td>
<td></td>
<td>Hotel, Restaurant, Institutional Management</td>
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<tr>
<td>Larry Delmar Fowler</td>
<td>Berkley</td>
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<td>Marketing</td>
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<tr>
<td>John Harris Guggenheim</td>
<td>East Lansing</td>
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<td>Hotel, Restaurant, Institutional Management</td>
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<tr>
<td>Charles F. Hathaway</td>
<td>Van Nuys, Calif.</td>
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<td>Hotel, Restaurant, Institutional Management</td>
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<tr>
<td>Myrtle Adelipe Herrick</td>
<td>Big Rapids</td>
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<td>Business Administration</td>
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<tr>
<td>Merritt Baggott Hill</td>
<td>East Lansing</td>
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<td>Political Science</td>
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<table>
<thead>
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<tr>
<td>F. Ward Ouradnik</td>
<td>East Lansing</td>
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<td>General Business Administration</td>
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<tr>
<td>Georgios Kostarides Panagiotis</td>
<td>Indianapolis, Ind.</td>
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<td>Hotel Management</td>
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<tr>
<td>Albert Roosevelt Pastori</td>
<td>Iron Mountain</td>
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<td>Economics</td>
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<td>Martin Taggart Pond</td>
<td>Lewiston, Utah</td>
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<td>Political Science</td>
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<td>Gerald Joseph Ravet</td>
<td>Powers</td>
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<td>Accounting</td>
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<tr>
<td>Ward Lewis Ver Hage</td>
<td>Zeeland</td>
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<td>Economics</td>
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### DEGREE OF MASTER OF BUSINESS ADMINISTRATION

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<tr>
<td>Terence August Andre</td>
<td>Saginaw</td>
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<td>Marketing</td>
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<tr>
<td>Yolanda Ferreira Balcao</td>
<td>Sao Paulo, Brazil</td>
<td></td>
<td>Personnel Administration</td>
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<tr>
<td>Haroldo Bariani</td>
<td>Sao Paulo, Brazil</td>
<td></td>
<td>Marketing</td>
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<tr>
<td>James Dowell Baten</td>
<td>East Lansing</td>
<td></td>
<td>Marketing</td>
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</tr>
<tr>
<td>Ivan Pinto Dias</td>
<td>Sao Paulo, Brazil</td>
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<td>Marketing</td>
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<tr>
<td>Carl John Ekman</td>
<td>Batavia, Ill.</td>
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<td>Personnel Administration</td>
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<tr>
<td>David John Mehl</td>
<td>Big Rapids</td>
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<td>Personnel Administration</td>
<td></td>
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<tr>
<td>Gordon Richard Pabst</td>
<td>Marlette</td>
<td></td>
<td>Marketing</td>
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<tr>
<td>James Jackman Secord</td>
<td>Great Neck, N. Y.</td>
<td></td>
<td>Personnel Administration</td>
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<tr>
<td>Everett J. Young</td>
<td>Charlotte</td>
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<td>Marketing</td>
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### DEGREE OF MASTER OF URBAN PLANNING

<table>
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<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Stuart Otis Denslow</td>
<td>Weidman</td>
<td></td>
<td>Urban Planning</td>
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</table>

24
DEGREE OF BACHELOR OF ARTS

Betty Lou Abrahamson  
Elementary Education  
Muskegon Heights  
Hilary Wilson Moore  
Elementary Education  
Buchanan

Richard Louis Baumgartner  
Elementary Education  
Drayton Plains  
Ilene Janet Moss  
Elementary Education  
Springport

Joan Mary Chalk  
Elementary Education  
Detroit  
Charlene Ann Pears  
Elementary Education  
Buchanan

Joyce Ellen Cook  
Elementary Education  
Holland  
Janet Beatrice Pickard  
Speech Correction  
Detroit

Marianne Kay Crozier  
Elementary Education  
Pontiac  
Joyce Ann Piziali  
Elementary Education  
Dearborn

Mary Louise Deane  
Elementary Education  
Grand Rapids  
Nancy Lou Poore  
Elementary Education  
Flint

Ilene Joan Deutsch  
Elementary Education  
Grand Rapids  
Barbara Janet Price  
Elementary Education  
Eaton Rapids

Mary Roberta Downs  
Elementary Education  
Urbana, Ill.  
Beverly Jean Price  
Elementary Education  
Easton Rapids

Nancy Jean Edson  
Elementary Education  
Port Huron  
Nancy Kay Struwin  
Elementary Education  
Battle Creek

Alma Eleanore Gloden  
Elementary Education  
Lansing  
Joan Martin Stultz  
Speech Correction  
Mishawaka, Ind.

Susan Paige Goebel  
Elementary Education  
Joliet, Ill.  
Deanna Rae Sutherland  
Elementary Education  
Midland

Mary Beth Kimberly  
Elementary Education  
Detroit  
Helen Elizabeth Vaydik  
Elementary Education  
Lansing

Mary Ann Kuffel  
Elementary Education  
Bay City  
*Beverly Ann Weesner  
Elementary Education  
Lansing

*Nina Leepa  
Elementary Education  
Lansing  
*With Honor

Nancy Carol Marshall  
Elementary Education  
Grosse Pointe  
Jean Gregory Wylie  
Elementary Education  
'Howell
# College of Education

## Degree of Bachelor of Science

<table>
<thead>
<tr>
<th>Name</th>
<th>City, State</th>
<th>Major</th>
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<tbody>
<tr>
<td>Octavia Louise Assaff</td>
<td>East Detroit, MI</td>
<td>Physical Education</td>
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<tr>
<td>Robert Edward Bercich</td>
<td>Summit, IL</td>
<td>Physical Education</td>
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<tr>
<td>Alfred John DeVuono</td>
<td>Sault Ste. Marie, MI</td>
<td>Physical Education</td>
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<td>Shirley Ann Garrett</td>
<td>Dayton, OH</td>
<td>Physical Education</td>
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<tr>
<td>Richard Lee Griffin</td>
<td>North Branch, MI</td>
<td>Physical Education</td>
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<tr>
<td>Joseph Paul Herchock</td>
<td>Detroit, MI</td>
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<tr>
<td>Ralph Vernon Hurley, Jr.</td>
<td>Buchanan, MI</td>
<td>Physical Education</td>
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<tr>
<td>Crawford Eaglesham Kennedy</td>
<td>Toronto, Canada</td>
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<tr>
<td>William Elmer Lahti</td>
<td>Aura, MI</td>
<td>Physical Education</td>
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<tr>
<td>Thomas Frederick Lamm</td>
<td>Grayling, MI</td>
<td>Industrial Arts</td>
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<tr>
<td>Arthur George Liepold, Jr.</td>
<td>Cicero, IL</td>
<td>Physical Education</td>
</tr>
<tr>
<td>Donald Floyd Marsh</td>
<td>Charlotte, MI</td>
<td>Physical Education</td>
</tr>
<tr>
<td>*Dale Mason Quick</td>
<td>Richmond, MI</td>
<td>Health Education</td>
</tr>
<tr>
<td>*Russell Lee Rivet, Jr.</td>
<td>Bay City, MI</td>
<td>Physical Education</td>
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<tr>
<td>Richard Edward Robe</td>
<td>Kenmore, NY</td>
<td>Physical Education</td>
</tr>
<tr>
<td>Gretchen Wolff Schupp</td>
<td>Birmingham, MI</td>
<td>Physical Education</td>
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<tr>
<td>Ronald Edwin Simpson</td>
<td>White Cloud, MI</td>
<td>Industrial Arts</td>
</tr>
<tr>
<td>Royal Grant Slack</td>
<td>Lansing, MI</td>
<td>Recreation-Youth Organization Leadership</td>
</tr>
<tr>
<td>Donald Earl Smith</td>
<td>Hastings, MI</td>
<td>Industrial Arts</td>
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<tr>
<td>George William Stevenson</td>
<td>Bay City, MI</td>
<td>Physical Education</td>
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<tr>
<td>Patricia Ann Syfers</td>
<td>Sault Ste. Marie, MI</td>
<td>Physical Education</td>
</tr>
<tr>
<td>Alfred Arvin Waters</td>
<td>Pontiac, MI</td>
<td>Industrial Arts</td>
</tr>
</tbody>
</table>

## Degree of Master of Arts — Education

<table>
<thead>
<tr>
<th>Name</th>
<th>City, State</th>
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</tr>
</thead>
<tbody>
<tr>
<td>Kenneth James Ackerman</td>
<td>Lansing, MI</td>
<td>Physical Education</td>
</tr>
<tr>
<td>Sister Mary Audrey Adelman, RSM</td>
<td>Muskegon, MI</td>
<td>Physical Education</td>
</tr>
<tr>
<td>Ralph V. Baynum</td>
<td>Owosso, MI</td>
<td>Physical Education</td>
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<tr>
<td>Mary Stoll Becker</td>
<td>Lansing, MI</td>
<td>Physical Education</td>
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<tr>
<td>Margaret Haney Bless</td>
<td>Onsted, MI</td>
<td>Physical Education</td>
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<tr>
<td>Juanita Cade</td>
<td>Lansing, MI</td>
<td>Physical Education</td>
</tr>
<tr>
<td>Mary Anne Carew</td>
<td>Okemos, MI</td>
<td>Physical Education</td>
</tr>
<tr>
<td>Louis Cohen</td>
<td>Williamston, MI</td>
<td>Physical Education</td>
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<tr>
<td>Charmayne Jeanne Cook</td>
<td>Jackson, MI</td>
<td>Physical Education</td>
</tr>
<tr>
<td>Richard E. Devey</td>
<td>Norfolk, VA</td>
<td>Physical Education</td>
</tr>
<tr>
<td>William Burle Draper</td>
<td>East Lansing, MI</td>
<td>Health Education</td>
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<tr>
<td>William Richard Eick</td>
<td>Goodrich, MI</td>
<td>Physical Education</td>
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<tr>
<td>Patrick James Flanigan</td>
<td>Marquette, MI</td>
<td>Physical Education</td>
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<tr>
<td>Elizabeth B. Freemark</td>
<td>Ecorse, MI</td>
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<tr>
<td>James Harlen Green</td>
<td>Owosso, MI</td>
<td>Physical Education</td>
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<tr>
<td>John Jenkins Harris</td>
<td>East Lansing, MI</td>
<td>Physical Education</td>
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<tr>
<td>Orley R. Herron, Jr.</td>
<td>New Philadelphia, OH</td>
<td>Physical Education</td>
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<tr>
<td>Lowell Dwight Hewitt</td>
<td>Elkton, MI</td>
<td>Physical Education</td>
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<tr>
<td>Claire Gladys Hoadley</td>
<td>Hillsdale, MI</td>
<td>Physical Education</td>
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*With Honor*
DEGREE OF MASTER OF ARTS — Education (Continued)

<table>
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<th>Name</th>
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<tbody>
<tr>
<td>Lester Wayne Johnson</td>
<td>Kent City</td>
<td>Charles Wallace Pelham, Jr.</td>
<td>Cement City</td>
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<tr>
<td>Andrew Thomas Kelley</td>
<td>Detroit</td>
<td>Joyce Lorraine Randall</td>
<td>Lansing</td>
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<tr>
<td>John Robert Key</td>
<td>Mason</td>
<td>Francis Coe Reed</td>
<td>Williamston</td>
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<tr>
<td>Wilma Fae Kuns</td>
<td>Garden City, Kan.</td>
<td>George Bernard Seafort</td>
<td>Eaton Rapids</td>
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<td>Gordon Eugene Langereis</td>
<td>Grand Rapids</td>
<td>Eva Haselschwerdt Studley</td>
<td>Grass Lake</td>
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<td>Frederick Alden Leafgren</td>
<td>Champaign, Ill.</td>
<td>Marvin Dean Sullivan</td>
<td>Holland</td>
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<td>H. M. Malik</td>
<td>Detroit</td>
<td>Mary Mace Suydam</td>
<td>East Lansing</td>
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<td>R. Foster Medford</td>
<td>Grand Haven</td>
<td>John Hilary Taylor</td>
<td>Pickford</td>
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<td>Gerald C. Meyer</td>
<td>North Rose, N.Y.</td>
<td>Max J. Vibbert</td>
<td>Midland</td>
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<td>Betty Ann Nelson</td>
<td>Cambridge, Ohio</td>
<td>Elizabeth Margaret Votruba</td>
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<td>Mary Ann Oatley</td>
<td>Rockford</td>
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<td>Onaway</td>
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<td>Joanne Elizabeth Olsen</td>
<td>Frankfort</td>
<td>William Matthew Woods</td>
<td>Battle Creek</td>
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<td>Mildred Marguerete Parrott</td>
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</table>
COLLEGE
OF
COMMUNICATION ARTS

The candidates will be presented by DEAN GORDON A. SABINE

DEGREE OF BACHELOR OF ARTS

Mary Alice Ackerman
Television, Radio and Film
Marysville

Theodore A. Cappelen
Advertising
Greenville

Harding James Christ
Journalism
Evanston, Ill.

Oda Pearl Davis
Speech
Snyder, N.Y.

Frederick David Gowan
Advertising
Royal Oak

John Richard Hudson
Speech
Three Rivers

Ann Elizabeth Liston
Journalism
Batavia, N.Y.

DEGREES RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

BACHELOR OF ARTS

*Nancy Gail Angers
Speech

Brian Alan Burns
Speech

*Rosemary A. Hauger
Speech

Grosse Ile
Lansing

Kenneth J. Krezel
Walter Alexander Littlefield

Speech
Speech

Northville
Rye, N.Y.

DEGREE OF MASTER OF ARTS

John B. Barron
Television, Radio and Film

Charles Louis Bartow
Television, Radio and Film

Donald Harold Blake
Television, Radio and Film

Donald Keith Darnell
General Communication Arts

Calvin Wharton Downs
Speech

East Lansing
Middlesex, N.J.
Quincy, Ohio
Nevada, Mo.

Norphlet, Ark.

Arthur William Einstein, Jr.
Rosarita Margaret Hume
Malcolm Sharpe
Don Bruce Wiegandt

Youngstown, Ohio
Port Huron
Malden, Mass.
Dearborn

General Communication Arts
Television, Radio and Film
Television, Radio and Film

*With Honor
THE
HONORS
COLLEGE

COLLEGE OF AGRICULTURE
DEGREE OF BACHELOR OF SCIENCE

*Karl Henry Avers  Algonac  Ornamental Horticulture  †Robert Raymond Rawstrom  Worcester, Mass.  Fisheries and Wildlife
†Ralph Ambrose Ernst  Milan  Agricultural Education  †Kenneth Elmer Weirich  Hart  Agricultural Education

COLLEGE OF HOME ECONOMICS
DEGREE OF BACHELOR OF SCIENCE

†Kathleen Joyce McNulty  Homewood, Ill.  Child Development and Teaching

COLLEGE OF SCIENCE AND ARTS
DEGREE OF BACHELOR OF ARTS

†Mary Elizabeth Bround  Niles  †Gail Mary Miller  Sheboygan, Wis.  English  Social Science Divisional  German  Fremont
†Renate Delphendahl  Schwetzingen, Germany  *Marilyn Jean Wissner  Fremont  Mathematics
†Alice Leone Littlefield  Caledonia  Social Science Divisional

COLLEGE OF EDUCATION
DEGREE OF BACHELOR OF ARTS

†Leola June Harnett  Chicago Heights, Ill.  †Linda Suzanne Locke  Capac  Speech Correction  Elementary Education

COLLEGE OF COMMUNICATION ARTS
DEGREE OF BACHELOR OF ARTS

†Mary Claire Huff  Midland  Journalism

*With Honor  †With High Honor
DEGREE OF DOCTOR OF PHILOSOPHY

Andres L. Abejo, *Quezon City, Philippines*  
Administrative and Educational Services. **Major Professor:** W. F. Johnson, Professor.  
**Thesis:** An Evaluation of the Scholarship Program of the Philippine Board of Scholarships for South East Asia.

Beth Alsup, *Albuquerque, N.M.*  
B.S., University of New Mexico; M.S., Ohio State University.  
Foods and Nutrition. **Major Professor:** B. E. Rutherford, Assistant Professor.  
**Thesis:** The Effects of High Voltage Cathode Ray Ionizing Radiation on Some of the Physical and Chemical Properties of Wheat Flour Protein.

Frederick Joseph Behrle, *West Orange, N.J.*  
B.A., M.A., Cornell University.  
Psychology. **Major Professor:** M. R. Denny, Professor.  
**Thesis:** Reactions of Children to Frustration as Revealed in Motor Performance and Aggressive Fantasy.

Frederick Ludwig Bouwman, Jr.  
*Grand Rapids*  
B.A., Calvin College; M.S., Michigan State University.  
Zoology. **Major Professor:** R. A. Fennell, Professor.  
**Thesis:** Age Changes in the Lymph Gland of the Pig.

Robert Louis Brizee, *Twin Falls, Idaho*  
B.A., Idaho State College; M.A., University of New Mexico.  
Administrative and Educational Services. **Major Professor:** B. L. Steflre, Associate Professor.  
**Thesis:** Identification as a Process in the Choice of an Occupation: A Study of the Significant Adults of Chemists and Personnel Workers.

L. Michael Carson, *Johnson City, Tenn.*  
A.B., East Tennessee State College.  
Chemistry. **Major Professor:** J. C. Sternberg, Associate Professor.  
DEGREE OF DOCTOR OF PHILOSOPHY (Continued)

B.S., University of Massachusetts; M.S., Michigan State University.
Horticulture. Major Professor: D. H. Dewey, Associate Professor.

Kenneth Chien Ing Cheng, Taipeh City, Formosa
B.A., Doshisha University, Tokyo, Japan; M.S., University of Tennessee.
Agricultural Economics. Major Professor: D. E. Hathaway, Professor.

William S. Devino, Burlington, Vt.
B.A., University of Vermont; M.A., University of Connecticut.
Economics. Major Professor: C. C. Killingsworth, Professor.
Thesis: Unemployment Compensation Exhaustees During a Recession.

John Nelson Ferris, Milton, Ind.
B.S., Purdue University; M.S., Cornell University.
Agricultural Economics. Major Professor: C. Hildreth, Professor.

Aix Barnard Harrison, Stillwater, Okla.
B.S., M.S., University of Illinois.
Health, Physical Education and Recreation. Major Professor: H. J. Montoye, Professor.
Thesis: The Effects of Certain Physiological and Psychological Techniques on Recovery From Fatigue and Impairment in Athletes.

Teddy Omar Hodges, Ravenna, Texas
B.S., Texas A. & M.; M.S., Iowa State College.
Agricultural Engineering. Major Professor: M. L. Esmay, Professor.

Wilbert Hutton, Jr., Denver, Colo.
B.S., University of Denver.
Chemistry. Major Professor: J. L. Hall, Assistant.
Thesis: Vapor Pressure of Acetonitrile Solutions.
SCHOOL FOR ADVANCED GRADUATE STUDIES
DEGREE OF DOCTOR OF PHILOSOPHY (Continued)

Robert H. Jackson, Washington, D. C.
B.S., M.S., Pennsylvania State.
Dairy. Major Professor: J. R. Brunner, Professor.

Mary Jane Keller, Lansing
B.S., Allegheny College; M.A., Michigan State University.
Psychology. Major Professor: M. R. Denny, Professor.
Thesis: Bimodal Effects of Sensory Deprivation.

Harry Marble Langsford, Detroit
B.S., M.A., Wayne State University.
Thesis: An Experimental Study of the Effect of Practice Upon Improvement in Melodic Dictation.

James S. Lovett, East Lansing
A.B., Earlham College.
Botany and Plant Pathology. Major Professor: C. Cantino, Professor.
Thesis: The Relation Between Biochemical and Morphological Differentiation in Blastocladiella Emersonii.

Marvin O. Margolis, Detroit
B.A., Roosevelt College; M.A., Wayne State University.
Psychology. Major Professor: A. I. Rabin, Professor.
Thesis: A Psychological Study of Mothers of Asthmatic Children.

Harvey Lee Meyers, Jr., Grand Rapids
B.S., Heidelberg College; M.S., Michigan State University; M.D., Johns Hopkins University.
Zoology. Major Professor: A. Stiles, Professor.

Grace Augusta Miller, Cleveland, Ohio
B.S., Simmons College; M.S., Michigan State University.
Teacher Education. Major Professor: H. J. Dillon, Professor.

Aimee Nutt Moore, Ithaca, N. Y.
A.B., University of North Carolina; A.M., Columbia University.
Teacher Education. Major Professor: P. L. Dressel, Professor.
Thesis: A Study of Attitudes of Recent Graduates Toward Their Educational Preparation for Food Service Administration in Home Economics and Hotel, Restaurant, and Institutional Administration in Selected Universities.
Rachael P. Noll, East Lansing
B.S., M.A., University of Minnesota.
Administrative and Educational Services. Major Professor: W. F. Johnson, Professor.
Thesis: Insights of the Middle-Aged Child Concerning the Parents in a Home for Old People.

Gene Herman Oberly, Clifton, Colo.
B.S., M.S., Utah State.
Horticulture. Major Professor: A. L. Kenworthy, Professor.

Harry B. Pfoist, Cowgill, Missouri
B.S., University of Missouri; M.S., Alabama Polytechnic Institute.
Agricultural Engineering. Major Professor: W. Hall, Professor.

B.S., Purdue University; M.S., Michigan State University.
Dairy. Major Professor: C. F. Huffman, Research Professor.
Thesis: The Relationship of Magnesium Ammonium Phosphate to Froth Production in Ruminant Bloat.

Richard E. Poulson, Grand Rapids
B.S., Michigan State University; M.S., University of California.
Chemistry. Major Professor: J. C. Sternberg, Assistant Professor.

Donald L. Robach, Grand Rapids
B.S., Aquinas College; M.S., Michigan State University.
Microbiology and Public Health. Major Professor: R. N. Costlow, Associate Professor.

Colvin Ross, Bowling Green, Ohio
B.A., Yankton College; M.A., Michigan State University.
Administrative and Educational Services. Major Professor: W. H. Roe, Professor.
Marvin Schiller, *New York City, N.Y.*  
B.A., Queens College; M.A., Michigan State University.  
Psychology. *Major Professor:* L. L. McQuitty, Professor.  

Yilmaz Tokad, *Istanbul, Turkey*  
M.S., Technical University of Istanbul.  
Electrical Engineering. *Major Professor:* M. B. Reed, Professor.  

Goro Uehara, *Honolulu, Hawaii*  
B.S., M.S., University of Hawaii.  
Soil Science. *Major Professor:* M. M. Mortland, Associate Professor.  

Charles Earl Villars, *Bay City*  
B.S., M.S., University of Nebraska.  
Chemistry. *Major Professor:* R. D. Schuetz, Professor.  

Joseph John Waldmeir, *Detroit*  
A.B., Wayne University; A.M., University of Michigan.  
English. *Major Professor:* A. Jaffe, Associate Professor.  
*Thesis:* Idealogical Aspects of the American Novels of World War II.

William K. Warden, *Lansing*  
B.S., M.S., University of Illinois.  

Evangeline Winn, *Van Couver, Canada*  
B.S., M.A., Teachers College, Columbia University.  
Administrative and Educational Services. *Major Professor:* B. L. Steffle, Associate Professor.  
*Thesis:* The Effects of Play Therapy on Reading Achievement.

Richard A. Wynveen, *Sheboygan, Wis.*  
B.A., Central College.  
Chemistry. *Major Professor:* C. H. Brubaker, Associate Professor.  
*Thesis:* Activity Coefficient and Conductivity Measurements of High-Charge Electrolytes in Aqueous Solution at Twenty-five Degrees Centigrade.
DEGREE OF DOCTOR OF EDUCATION

Carl William Brautigam, Dowagiac
A.B., Adrian College; M.A., University of Michigan.
Administrative and Educational Services. Major Professor: W. H. Roe, Professor.
Thesis: A Study of the Effects of the Michigan State University Full-Time Resident Student Teaching Program on the Local Schools in the Southwestern Michigan Center.

Victor Paul Croftchik, Mt. Pleasant
B.S., Central Michigan College; M.A., University of Michigan.
Foundations of Education. Major Professor: J. D. Krumboltz, Associate Professor.
Thesis: A Study to Establish a Scoring Key for Male Elementary and Secondary Art Teachers to Be Used with the Strong Vocational Interest Blank.

Robert Thaddeus Fisher, Dearborn
B.S., M.Ed., Wayne University.
Foundations of Education. Major Professor: C. H. Gross, Professor.
Thesis: Historical Study of the Educational Theories Contained in the Classical Utopias.

John Martin Fohr, East Lansing
B.S., Marquette University; M.A., Michigan State University.
Foundations of Education. Major Professor: P. L. Dressel, Professor.
Thesis: The Effectiveness of Different Types of Letters of Request to College Students.

Jack R. Rombouts, Sault Ste. Marie
B.A., M.A., Michigan State University.
Administrative and Educational Services. Major Professor: W. H. Roe, Professor.
Thesis: The Role of the Committee Technique in School Administration as Expressed by Teachers in 25 High School Districts of the Upper Peninsula.

GRADUATES AS OF SEPTEMBER 4, 1959
DEGREE OF DOCTOR OF PHILOSOPHY

Russell M. Ampey, Baton Rouge, La.
A.B., Western State Teachers College; M.S., Howard University.
Botany and Plant Pathology. Major Professor: H. C. Beeskow, Associate Professor.
Thesis: Carotene Distribution in the Sweet Potato.

Antonio Manuel Arce, Turrialba, Costa Rica
M.A., Michigan State University.
Sociology and Anthropology. Major Professor: C. P. Loomis, Professor.
Dietrich Charles Bauer, Elgin, Ill.
B.S., University of Illinois; M.S., Michigan State University.
Microbiology and Public Health. Major Professor: L. C. Ferguson, Professor.

Carl Barnes Bishop, Bamberg, S.C.
B.S., Clemson A. & M. College.
Chemistry. Major Professor: L. L. Quill, Professor.
Thesis: Thermal Decomposition Studies of Rare Earth Carbonates and Oxalates.

George David Blanpied, Ridgewood, N.J.
B.S., Dartmouth College; M.S., Cornell University.
Horticulture. Major Professor: D. H. Dewey, Associate Professor.
Thesis: Some Aspects of the Physiological Behavior of McIntosh Apple Fruits Following Controlled Atmosphere Storage.

Juan Colom, Mayaguez, Puerto Rico
B.S., University of Puerto Rico; M.S., University of Nebraska.
Soil Science. Major Professor: A. R. Wolcott, Associate Professor.

Philip B. Davis, Harrisonville, Mo.
B.S., M.S., Oklahoma A. & M. College.
Teacher Education. Major Professor: H. P. Sweany, Associate Professor.
Thesis: Selected Factors Associated With Attendance at Adult Farmer Classes in Michigan.

Elvis Arnie Dickason, Corvallis, Ore.
B.S., M.S., Oregon State College.
Entomology. Major Professor: R. Hutson, Professor.
Thesis: Biological Activities of the Vetch Bruchid, Bruchus Brachialis, Fahrens.

Howard J. Ehrlich, Columbus, O.
B.A., M.A., Ohio State University.
Sociology and Anthropology. Major Professor: J. J. Preiss, Associate Professor.

William Leonard Ferrara, Chicago, Ill.
B.S.C., DePau University; M.A., Michigan State University.
Business Administration. Major Professor: B. C. Lemke, Professor.
DEGREE OF DOCTOR OF PHILOSOPHY (Continued)

Neal L. First, Ionia

B.S., M.S., Michigan State University.

Gilbert Gordon, Chicago, Ill.

B.S., Bradley University.
Chemistry. Major Professor: C. H. Brubaker, Associate Professor.
Thesis: A Study of the Electron Exchange Reaction Between Tin (II) and Tin (IV) in Aqueous Sulfuric Acid Solutions.

William L. Harkness, Eaton Rapids

B.S., M.A., Michigan State University.
Statistics. Major Professor: L. Katz, Professor.
Thesis: An Investigation of the Power Function for the Test of Independence in 2 x 2 Contingency Tables.

Peter E. Hildebrand, Brush, Colo.

B.S., M.S., Colorado A. & M. College.
Agricultural Economics. Major Professor: G. L. Johnson, Professor.

Carl Charles Hoyt, Williamston

B.S., M.S., Michigan State University.
Poultry Science. Major Professor: L. E. Dawson, Associate Professor.

Lawrence G. Kallander, Bessemer

B.A., St. Olaf College; M.S., Michigan State University.
Chemistry. Major Professor: L. L. Quill, Professor.

Jack Normain Kimmell, Midland

Music Composition. Major Professor: H. O. Reed, Professor.
Thesis: Concerto Grosso for Orchestra and Wind Quintet.

Theodore M. King, Brookfield, Mo.

M.S., University of Illinois; M.D., University of Chicago Medical School.
Physiology. Major Professor: W. D. Collings, Professor.
Thesis: Regulation of Function and Actomyosin Content of Cardiac Muscle by Estrogen.

William E. Kramlich, West Hazelton, Pa.

B.S., M.S., Pennsylvania State University.
Animal Husbandry. Major Professor: A. M. Pearson, Associate Professor.
Thesis: Separation and Identification of Beef Flavor.
Raymond W. Lang, *Syracuse, N.Y.*

B.S., LeMoyne College; M.S., Michigan State University.


*Thesis:* Study on Some Aspects of Leptospiral Antigens and Antibodies.

Fenton E. Larsen, *Preston, Idaho*

B.S., Utah State Agricultural College.

Horticulture. *Major Professor:* J. E. Moulton, Associate Professor.


John Y. Lu, *Tainan, Formosa*

B.S., Berea College; M.S., Michigan State University.

Agricultural Economics. *Major Professor:* C. G. Hildreth, Professor.


B.S., University of Massachusetts; M.S., University of Maryland.

Farm Crops. *Major Professor:* M. B. Tesar, Professor.

*Thesis:* Effects of Frequency and Rate of Irrigation, Fertilization, and Clipping Treatments of Yield and Botanical Composition of Several Forage Species.

William R. Mackavey, *Detroit*

B.A., M.A., Wayne State University.

Psychology. *Major Professor:* S. H. Bartley, Professor.


Russell G. Mawby, *Williamston*

B.S., Michigan State University; M.S., Purdue University.

Agricultural Economics. *Major Professor:* L. W. Witt, Professor.

*Thesis:* Types and Sources of Information Used by Farmers in Michigan, With Implications for Extension Programming.

Howard D. McCurdy, Jr., *Amherstburg, Canada*

B.A., University of Western Ontario; B.S., Assumption College; M.S., Michigan State University.


*Thesis:* Isocitritase, Glycine-Alanine, Transaminase and Development in Blastacladella Emersonii.

Joseph Donald Novak, *Columbia, S.C.*

B.S., Gettysburg College; M.S., University of Chicago.

Mathematics. *Major Professor:* V. G. Grove, Professor.

*Thesis:* Generalization of Curvatures Associated With a Curve on a Surface.
SCHOOL FOR ADVANCED GRADUATE STUDIES

DEGREE OF DOCTOR OF PHILOSOPHY (Continued)

Yoshihiro Ozawa, Nirasaki-Shi, Japan

B.A., University of Tokyo; D.V.M., University of Agriculture, Japan; M.S., Colorado State University.

Richard J. Reid, Iowa City, Iowa

B.S., M.S., Iowa State College.
Electrical Engineering. Major Professor: L. W. Von Tersch, Professor.
Thesis: Boundary Solution of the Wave Equation.

Thomas W. Scott, Coraopolis, Pa.

B.S., Pennsylvania State University; M.S., Kansas State College.
Soil Science. Major Professor: A. E. Erickson, Professor.
Thesis: The Effect of Several Physical Factors of Soil on the Root Development and Activity of Plant Roots.

Horace J. Shaw, Berrien Springs

Speech. Major Professor: K. G. Hance, Professor.

Ernest L. V. Shelley, East Lansing

A.B., Central Michigan College of Education; M.A., Columbia University.
Administrative and Educational Services. Major Professor: W. F. Johnson, Professor.

Lawrence H. Smith, Jackson

B.S., M.S., Michigan State University.
Farm Crops. Major Professor: C. M. Harrison, Professor.
Thesis: The Effect of 2, 4-Dichlorphenoxy-Asctic Acid on the Uptake and Distribution of Calcium and Phosphorous in Barley.

Ludwig J. Spolyar, Los Gatos, Calif.

B.A., San Jose State College; M.A., Michigan State University.
Administrative and Educational Services. Major Professor: W. F. Johnson, Professor.
Thesis: An Experimental Study of the Effectiveness of a Social Science Course at the College Level.

Horatio S. Stillo, Bay City

B.S., University of Illinois; M.S., University of Minnesota.
Chemistry. Major Professor: J. C. Sternberg, Assistant Professor.
Gerald I. Trant, Guelph, Canada

B.S.A., Ontario Agricultural College; M.S., Michigan State University.

Agricultural Economics. Major Professor: G. L. Johnson, Professor.

Thesis: Institutional Credit and the Efficiency of Selected Dairy Farms.

Howard E. Trier, Owosso

B.A., M.A., Michigan State University.

Psychology. Major Professor: H. C. Smith, Professor.


Cooper H. Wayman, Trenton, N.J.

B.S., Rutgers University; M.S., University of Pittsburgh.

Geology. Major Professor: H. B. Stonehouse, Associate Professor.


James Allen Wrede, Stewartville, Minn.

B.A., St. Olaf College.

Chemistry. Major Professor: H. Hart, Professor.


James David Hoffmen, Bristol, Ind.

B.S., M.A., Ball State Teachers College.

Teacher Education. Major Professor: W. V. Hicks, Professor.


Helen L. Hollandsworth, Conrad, Mont.

B.S., Montana State College; M.S., Oregon State College.

Teacher Education. Major Professor: M. L. Hurt, Associate Professor.
