

TUESDAY, DECEMBER EIGHTH

NINETEEN HUNDRED AND FIFTY-NINE

**The
Fall
Commencement
of
Michigan
State
University**

UNIVERSITY AUDITORIUM

EAST LANSING

Commencement
Fall 1959

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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.

COLLEGE OF AGRICULTURE	<i>Maize</i>
Forestry	<i>Russet</i>
COLLEGE OF BUSINESS AND PUBLIC SERVICE	<i>Maroon</i>
COLLEGE OF COMMUNICATION ARTS	<i>Royal Blue</i>
COLLEGE OF EDUCATION	<i>Light Blue</i>
COLLEGE OF ENGINEERING	<i>Orange</i>
COLLEGE OF HOME ECONOMICS	<i>Black</i>
COLLEGE OF SCIENCE AND ARTS	
Arts	<i>White</i>
Music	<i>Pink</i>
Science	<i>Golden Yellow</i>
COLLEGE OF VETERINARY MEDICINE	<i>Gray</i>

ORDER OF CEREMONIES

PROCESSIONAL

MARCH PONTIFICAŁE *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

JOHN A. HANNAH, D.AGR., LL.D., L.H.D., D.Sc.
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 CONNOR 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*

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- THE HONORABLE LYNN M. BARTLETT, *Ex Officio* *Lansing*
 - JOHN A. HANNAH, *Ex Officio, President* *East Lansing*
 - KARL H. McDONEL, *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 <i>Floriculture</i>	Coleman	Bruce R. Hathaway <i>Packaging</i>	Royal Oak
William John Backman <i>Packaging</i>	Lansing	George Edward Hawkins <i>Dairy Manufacturing</i>	Mt. Clemens
Charles Richard Barry <i>Wood Processing and Technology</i>	Columbus, Ohio	A. Roger Herrett <i>Forestry</i>	East Lansing
Robert Allen Benson <i>Packaging</i>	Detroit	William Carl Hover <i>Pomology and Vegetable Production</i>	Bangor
Loren William Berndt <i>Soil Science</i>	Bridgman	Ellis George Humphrey <i>Forestry</i>	Bear Lake
Emmanuel Bruce-Okine <i>Forestry</i>	Accra, West Africa	Eldon Lee Johnson <i>Agricultural Economics</i>	Lakeview
*Marshall Nils Brunden <i>Lumber and Building Materials Merchandising</i>	Coloma	James Chappell Johnson <i>Residential Building</i>	Royal Oak
James Alan Ebmeyer <i>Packaging</i>	Lansing	Peter Anthony Juliano <i>Residential Building</i>	Buffalo, N. Y.
Daniel David Feather <i>Pomology and Vegetable Production</i>	Berrien Springs	Lauris Kalnins <i>Agricultural Mechanics</i>	Middleville
John Ellis Forte <i>Floriculture</i>	Charlotte	Jack Gunn Kiplinger <i>Packaging</i>	Owosso
*Robert Michael Friebe <i>Residential Building</i>	Kawkawlin	David Harold Klinck <i>Ornamental Horticulture</i>	Old Castle, Canada
John Paul Greenshield <i>Animal Husbandry</i>	East Lansing	Alden W. Liimakka <i>Forestry</i>	Wakefield
Harold Richardson Grieve <i>Packaging</i>	Roscommon	Alexander MacKenzie <i>Packaging</i>	Croton on Hudson, N. Y.
Harold Thorwald Hansen <i>Forestry</i>	Appleton, Wis.	Charles Homer Maine <i>Agricultural Mechanics</i>	Hamilton, N. Y.
Keith W. Harmon <i>Fisheries and Wildlife</i>	Valparaiso, Ind.	Nancy Lynn Manz <i>Floriculture</i>	East Lansing
Ronald Merle Harwood <i>Packaging</i>	Owosso	Dennis Eugene Marlowe <i>Forestry</i>	Grand Rapids

*With Honor

COLLEGE OF AGRICULTURE
DEGREE OF BACHELOR OF SCIENCE (Continued)

Lawrence Lane Meyer <i>Agricultural Mechanics</i>	Northville	Lawrence Frederick Strong <i>Animal Husbandry</i>	Houston, Tex.
Alan L. Middleton <i>Pomology and Vegetable Production</i>	Northport	Siavash Tavallai <i>Farm Crops</i>	Shiraz, Iran
Donald George Musser <i>Packaging</i>	Lansing	Patricia Louise Terrill <i>Floriculture</i>	Lansing
Rudolph Mathew Nigl III <i>Forestry</i>	Oshkosh, Wis.	Adjei Tetteh <i>Farm Crops</i>	Accra, West Africa
David Henry Nowak <i>Packaging</i>	Alpena	Walter Chesley Tubandt <i>Soil Science</i>	Lansing
James Wiard Patt <i>Agricultural Mechanics</i>	Charlotte	Clarence Alfred Tyler <i>Lumber and Building Materials Merchandising</i>	Lake Odessa
Douglas Evan Pider <i>Farm Crops</i>	Hart	William Wheeler Ullman <i>Farm Crops</i>	Beverly, Ohio
Bruno Peter Pollesel <i>Residential Building</i>	Copper Cliff, Canada	Horacio Valdes <i>Dairy Production</i>	Panama, Panama
Oren William Quick <i>Residential Building</i>	Port Hope	Donald Frank VanEynde <i>Forestry</i>	River Grove, Ill.
John Edward Robertson <i>Packaging</i>	Short Hills, N. J.	*Wilfred Francis Wardowski II <i>Pomology and Vegetable Production</i>	Leslie
Harold Leon Robson <i>Park Management</i>	Reed City	Richard Joseph Wenke <i>Packaging</i>	Ocean, N. Y.
Ronald Wayne Rybicki <i>Fisheries and Wildlife</i>	Lansing	Radford Royce Whiteman <i>Fisheries and Wildlife</i>	San Diego, Calif.
Allen Elmer Schuette <i>Soil Science</i>	East Detroit	Robert William Wohlfeil <i>Residential Building</i>	Dearborn
*Reinhard Hans Schumann <i>Forestry</i>	Temperence	Robert Arthur Wood <i>Residential Building</i>	San Gabriel, Calif.
Richard Maurice Shaw <i>Soil Science</i>	Fenwick	Benjamin F. Zimmerman, Jr. <i>Residential Building</i>	Rapid City

DEGREES RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

BACHELOR OF SCIENCE

Kay Norman Erickson <i>Agricultural Education</i>	Coloma	Richard Lee Kent <i>Agricultural Education</i>	Lansing
Earl Gordon Herrmann <i>Agricultural Education</i>	Petoskey	George Gordon Portice <i>Agricultural Education</i>	Skaneateles
Robert Richard Keith <i>Agricultural Education</i>	Taylor	Bill Joseph Roubal <i>Agricultural Education</i>	Suttons Bay

*With Honor

DEGREE OF MASTER OF SCIENCE

Richard John Aulerich <i>Fisheries and Wildlife</i>	<i>Whittemore</i>	Frederick Martin Joffe <i>Food Technology</i>	<i>Evanston</i>
Richard Blaine Bailey <i>Agricultural Extension</i>	<i>Kalamazoo</i>	Elizabeth Ann Jones <i>Agricultural Extension</i>	<i>Chilhowie, Va.</i>
Celio Barriga-Solorio <i>Farm Crops</i>	<i>Jacona, Mexico</i>	Ronald Everett Kampe <i>Agricultural Economics</i>	<i>East Lansing</i>
George William Bingley <i>Agricultural Engineering</i>	<i>Burlington</i>	Charles Louis Lang <i>Agricultural Extension</i>	<i>St. Clairsville, Ohio</i>
William Ross Bolger <i>Agricultural Economics</i>	<i>Ariss, Canada</i>	Howard Melvin Latimer <i>Agricultural Economics</i>	<i>Lokesburg, Ark.</i>
Hugh Fleming Clifford <i>Fisheries and Wildlife</i>	<i>Kane, Pa.</i>	Hugh Elvin Lockhart <i>Forest Products</i>	<i>Northville</i>
Dale Robert Cree <i>Forest Products</i>	<i>Parchment</i>	Virgil Dean Luedders <i>Farm Crops</i>	<i>Bremen, Kan.</i>
Dean Dell Doell <i>Fisheries and Wildlife</i>	<i>Madison, Wis.</i>	Lowell Dale Metters <i>Forest Products</i>	<i>Ithaca</i>
Delwyn Arthur Dyer <i>Agricultural Extension</i>	<i>Dafter</i>	Donald Moore <i>Fisheries and Wildlife</i>	<i>Kingston, Mass.</i>
Edward H. Farmer <i>Poultry Science</i>	<i>Lansing</i>	Carl Thomas Morton <i>Agricultural Engineering</i>	<i>Falmouth</i>
Lucien Parman Fay <i>Agricultural Education</i>	<i>Holt</i>	Homer Nelson Patterson <i>Resource Development</i>	<i>Otsego</i>
Harold Raymond Ferris <i>Agricultural Extension</i>	<i>Morenci</i>	John Charles Peters <i>Fisheries and Wildlife</i>	<i>Detroit</i>
Lawrence Eugene Foote <i>Farm Crops</i>	<i>Mt. Pleasant</i>	J. B. Poffenberger <i>Resource Development</i>	<i>Pontiac</i>
Donald James Graham <i>Food Technology</i>	<i>LeRoy, N. Y.</i>	Eugene Franklin Reinke <i>Dairy</i>	<i>Wanatah, Ind.</i>
Ronald A. Hagaman <i>Agricultural Economics</i>	<i>Hillsdale</i>	Putnam Sumner Robbins <i>Forest Products</i>	<i>East Lansing</i>
Marvin Edward Heft, Jr. <i>Agricultural Engineering</i>	<i>Grand Rapids</i>	Lucio Rodriguez, G. <i>Poultry Science</i>	<i>Honda, Colombia</i>
Friedrich Johann Henningsen <i>Dairy</i>	<i>Jackson</i>	Harold William Schmalfeld <i>Horticulture</i>	<i>Schiller Park, Ill.</i>
Robert Paul Heslip <i>Horticulture</i>	<i>Northville</i>	Hari Mohan Singh <i>Soil Science</i>	<i>Tilkamanjhi, India</i>
Percival Emanuel Jackson <i>Farm Crops</i>	<i>Jamaica, West Indies</i>		

COLLEGE OF AGRICULTURE
DEGREE OF MASTER OF SCIENCE (Continued)

Allan Curtis Slye <i>Animal Husbandry</i>	Escanaba	Eugene Brummer Welch <i>Fisheries and Wildlife</i>	Bunker Hill, Ill.
Robert Mitchell Stokes <i>Fisheries and Wildlife</i>	Ramsey, Ill.	Robert Herrick Wilkinson <i>Agricultural Engineering</i>	Quincy
Noel Ward Struckman <i>Agricultural Economics</i>	Nappance, Ind.	John Henry Wolford <i>Poultry Science</i>	Osgood, Ind.
Robin Lewis Vannote <i>Fisheries and Wildlife</i>	Morristown, N. Y.	Glenn W. Woodley <i>Agricultural Economics</i>	Columbia, N. C.

**COLLEGE
OF
ENGINEERING**

The candidates will be presented by DEAN JOHN D. RYDER

DEGREE OF BACHELOR OF SCIENCE

Lee Edwin Anderson <i>Electrical Engineering</i>	<i>Lansing</i>	Paul Joseph Morrissey <i>Agricultural Engineering</i>	<i>Grand Rapids</i>
Charles Douglas Balzarini <i>Civil Engineering</i>	<i>Iron Mountain</i>	Philip Martin Myers <i>Agricultural Engineering</i>	<i>Lansing</i>
*Donald C. Barratt <i>Electrical Engineering</i>	<i>DeWitt, N. Y.</i>	Philip Olekszyk <i>Mechanical Engineering</i>	<i>Imlay City</i>
Sebastian Delfos Caro <i>Trujillo, Dominican Republic</i> <i>Mechanical Engineering</i>		Robert W. Ondrusek <i>Agricultural Engineering</i>	<i>St. Johns</i>
Paul J. Das <i>Metallurgical Engineering</i>	<i>Willowdale, Canada</i>	Jack Anderson Porter <i>Mechanical Engineering</i>	<i>Dearborn</i>
Clarence Edward Fox <i>Agricultural Engineering</i>	<i>Cass City</i>	*Harold Eugene Quackenbush <i>Agricultural Engineering</i>	<i>Mt. Pleasant</i>
Ronald Stanley Gulette <i>Mechanical Engineering</i>	<i>Pearl Beach</i>	*James Montgomery Roggow <i>Mechanical Engineering</i>	<i>Lansing</i>
Thomas Arthur Holz <i>Metallurgical Engineering</i>	<i>Lansing</i>	Donald Wayne Smith <i>Mechanical Engineering</i>	<i>Williamston</i>
Thomas Jean Hudson <i>Mechanical Engineering</i>	<i>Battle Creek</i>	Robert Craig Thomas <i>Civil Engineering</i>	<i>Richmond, Ind.</i>
Walter G. Lund <i>Agricultural Engineering</i>	<i>Fife Lake</i>	Leo VanderHorst <i>Civil Engineering</i>	<i>Kalamazoo</i>
Carleton Williams Miller <i>Mechanical Engineering</i>	<i>Battle Creek</i>	William Lee Vaughan <i>Mechanical Engineering</i>	<i>Pontiac</i>
Robert J. Mills, Sr. <i>Mechanical Engineering</i>	<i>Berkley</i>	Gerald LeRoy Waltz <i>Mechanical Engineering</i>	<i>Jackson</i>
		*Stephen Wolownik <i>Chemical Engineering</i>	<i>Lawton</i>

DEGREE OF MASTER OF SCIENCE

David Djen-Hsien Cheng <i>Electrical Engineering</i>	<i>New York, N. Y.</i>	John Nelson Hester <i>Chemical Engineering</i>	<i>Washington, D. C.</i>
Thomas Lynn Drake <i>Electrical Engineering</i>	<i>Reading</i>	Harlow Milton Judson <i>Electrical Engineering</i>	<i>Rockford</i>

*With Honor

**COLLEGE
OF
HOME ECONOMICS**

The candidates will be presented by DEAN THELMA E. PORTER

DEGREE OF BACHELOR OF SCIENCE

Nancy Ann Gullen <i>Nutrition</i>	Pontiac	Ayano Luisa Ohashi <i>General Related Arts</i>	Chicago, Ill.
Janet Ruth Huff <i>Clothing and Textiles-Retailing</i>	Allegan	Dorcas Marie Sherman <i>Nutrition</i>	Midland
Nellie de Silva Jayasekera <i>General Home Economics</i>	Colombo, Ceylon	Jean Audrey Wallace <i>General Home Economics</i>	Detroit
*Jean Louise Kleinschmidt <i>Nutrition</i>	Ludington		

DEGREES RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

BACHELOR OF SCIENCE

Carol Ann Andree <i>Home Economics Teaching</i>	Ann Arbor	Patty Sue McGuigan <i>Home Economics Teaching</i>	Dearborn
*Donna Holden Barratt <i>Child Development and Teaching</i>	DeWitt, N. Y.	*Lois Margaret Pitcher <i>Home Economics Teaching</i>	Stanton
Julie Ann Goodrich <i>Home Economics Teaching</i>	Onsted	Margaret Anne Rusch <i>Child Development and Teaching</i>	Fredonia, N. Y.
Joyce Yasuko Harada <i>Child Development and Teaching</i>	Kapaa, Hawaii	Suzanne Elizabeth Benson Stewart <i>Home Economics Teaching</i>	East Lansing
*Patricia H. Hopper <i>Home Economics Teaching</i>	Coshocton, Ohio	Nancy Lee Wonsler <i>Child Development and Teaching</i>	Mulliken

DEGREE OF MASTER OF ARTS

Elaine Autumn Durst <i>Clothing and Textiles</i>	Chicago, Ill.	Zarina Nazir <i>Child Development</i>	Lahore, West Pakistan
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DEGREE OF MASTER OF SCIENCE

Betty Bondurant Brown <i>Nutrition</i>	Murray, Ky.	Robert Vernon Cole, Jr. <i>Institution Administration</i>	Atlanta, Ga.
Joan Elaine Cannon <i>Nutrition</i>	West Hill, Canada	Janet Evelyn Hall <i>Institution Administration</i>	Ovid

*With Honor

**COLLEGE
OF
VETERINARY MEDICINE**

The candidates will be presented by **DEAN WILLIS E. ARMISTEAD**

DEGREE OF BACHELOR OF SCIENCE

John Joseph Gregurek <i>Medical Technology</i>	<i>Lansing</i>	*Theresa Patricia O'Leary <i>Medical Technology</i>	<i>Niagara Falls, N. Y.</i>
*Robert Arthur Holmes <i>Veterinary Medicine</i>	<i>Stambaugh</i>	Joyce Aileen Remsberg <i>Medical Technology</i>	<i>Alma</i>
Janet Decima Howard <i>Medical Technology</i>	<i>Ypsilanti</i>		

DEGREE OF MASTER OF SCIENCE

David James Ellis <i>Surgery and Medicine</i>	<i>East Lansing</i>	Edward James Hinsman <i>Surgery and Medicine</i>	<i>Wyandotte</i>
John Henry Greve <i>Animal Pathology</i>	<i>Birmingham</i>	Ulreh Vogt Mostosky <i>Surgery and Medicine</i>	<i>Land O'Lakes, Ill.</i>

**COLLEGE
OF
SCIENCE AND ARTS**

The candidates will be presented by **DEAN LLOYD C. FERGUSON**

DEGREE OF BACHELOR OF ARTS

Donald MacLeod Annand <i>Social Science Divisional</i>	<i>Armada</i>	Carol Lee Confer <i>Music Therapy</i>	<i>Detroit</i>
Thomas Robertson Baird <i>Social Science Divisional</i>	<i>Saginaw</i>	Walter Cornell <i>Psychology</i>	<i>Detroit</i>
Richard A. Bayles <i>Social Science Divisional</i>	<i>Dimondale</i>	Nunzio Donald Cotrone <i>Social Science Divisional</i>	<i>New Lothrop</i>
James Barry Blackford <i>Humanities</i>	<i>Lansing</i>	Romine Richard Deming <i>Psychology</i>	<i>Holt</i>
Chester Edward Brock <i>Social Science Divisional</i>	<i>Niles</i>	*Eunice Barnes de Turpaud <i>Social Science Divisional</i>	<i>Wallingford, Conn.</i>
Michael Fredrick Caldwell <i>Social Science Divisional</i>	<i>Lake Orion</i>	Raymond Dobkowski <i>Social Science Divisional</i>	<i>Warren</i>

*With Honor

COLLEGE OF SCIENCE AND ARTS
DEGREE OF BACHELOR OF ARTS (Continued)

Gerald William Eminger <i>Social Science Divisional</i>	Detroit	Mary Ann Lynch <i>English</i>	Grosse Pointe Farms
Cynthia Henderson Fates <i>Social Science Divisional</i>	Montclair, N. J.	Joyce B. Mahoney <i>Art</i>	East Lansing
Daniel Scobie Follis <i>Psychology</i>	Grosse Pointe	John George Manders <i>History</i>	Detroit
Clyde Leroy Frost <i>Social Science Divisional</i>	Perry	*John Maski <i>Psychology</i>	Lansing
Stanton Harvey Goldberg <i>Social Science Divisional</i>	Albany, N. Y.	Peter Anthony McKinnon <i>History</i>	Glasgow, Scotland
Gordon Frederick Griffes <i>Psychology</i>	Jackson	C. Linda McLaughlin <i>Social Science Divisional</i>	Winchester, Mass.
Anna Maria Hargrove <i>English</i>	Royal Oak	*Thomas A. Murphy <i>Psychology</i>	Okemos
Richard Alan Holland <i>Biological Science Divisional</i>	Bath	John Benjamin Osborne, Jr. <i>Social Science Divisional</i>	Birmingham
Helen R. Hovis <i>Fine Arts Divisional</i>	Eaton Rapids	†Doris DeVries Parker <i>Art</i>	Jackson
Barbara Ann Hurlbut <i>Psychology</i>	Otsego	Fred Henley Porterfield <i>Social Science Divisional</i>	Saginaw
Wendell Allen Jacobs, Jr. <i>Social Science Divisional</i>	Newark, Ohio	Donald William Proud <i>Psychology</i>	Flat Rock
Dennis Raymond Jensen <i>Psychology</i>	Chicago, Ill.	Francisco Rania, Jr. <i>Social Science Divisional</i>	Honolulu, Hawaii
Neil Wayne Johnson <i>English</i>	Williamston	Marlene Louise Roemer <i>History</i>	Bay City
Barbara Rosalie Jones <i>Art</i>	Detroit	*James Faron Roggow <i>Social Science Divisional</i>	Lansing
Margaret Louise Kalmus <i>Foreign Studies</i>	Detroit	Graham Steele Ruscoe <i>German</i>	Battle Creek
John Cyrus Kenely <i>Social Science Divisional</i>	Detroit	Edwin Lyle Schippel <i>Geography</i>	Lathrup Village
George Raymond Kerciu <i>Art</i>	Plymouth	*Edwin Frederick Schultz <i>Psychology</i>	Saginaw
Frank Joseph Kerwin, Jr. <i>Social Science Divisional</i>	Detroit	Richard Arlan Selleck <i>Psychology</i>	Lansing
Mary Ann Lathrop <i>Sociology and Anthropology</i>	Durand	Philip Christ Shaskos <i>History</i>	Dearborn
Joseph Henry MacNabo <i>Social Science Divisional</i>	Detroit	Marjorie Jean Soderberg <i>Art</i>	Lansing

*With Honor
†With High Honor

COLLEGE OF SCIENCE AND ARTS

DEGREE OF BACHELOR OF ARTS (Continued)

George Henry Spies <i>Social Science Divisional</i>	<i>Elkhart, Ind.</i>	Louis Roller Vestosky <i>Psychology</i>	<i>Grand Rapids</i>
Shirley Ann Szymanski <i>Psychology</i>	<i>South Haven</i>	Patricia Daphne Walker <i>Psychology</i>	<i>Inkster</i>
Mark Thomas Tate <i>Social Science Divisional</i>	<i>New Castle, Pa.</i>	*Judith Kathleen Webster <i>Social Science Divisional</i>	<i>Detroit</i>
Arnold Gene Taylor <i>Social Science Divisional</i>	<i>Fenton</i>	Thomas Scott Werthmann <i>Social Science Divisional</i>	<i>Bloomfield</i>
Judith Leone Teichman <i>Social Science Divisional</i>	<i>Eau Claire</i>	Norman James White <i>Social Science Divisional</i>	<i>Buffalo, N. Y.</i>
Stephen Eric Thomas <i>Industrial Design</i>	<i>Gaylord</i>	Allen Alfred Witherspoon <i>Social Science Divisional</i>	<i>Kinde</i>
Mary J. Toth <i>History</i>	<i>Ecorse</i>	*Antoinette Young <i>English</i>	<i>Oxford</i>
Richard Lee VanDerVoort <i>Philosophy</i>	<i>Belleville</i>		

DEGREES RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

BACHELOR OF ARTS

Janet Louise Avis <i>Art Education</i>	<i>Jackson</i>	Buff Kay Eymer <i>Social Science Divisional</i>	<i>Kalkaska</i>
Bonnie Lou Brandon <i>History</i>	<i>East Lansing</i>	Sandra Jean Fair <i>English</i>	<i>St. Ignace</i>
Betty Lou Brown <i>History</i>	<i>Morrice</i>	Dale D. France <i>History</i>	<i>Cheboygan</i>
Barbara Anne Burkholder <i>Spanish</i>	<i>North Muskegon</i>	Delton Barry Harder <i>Social Science Divisional</i>	<i>Turner</i>
John Emerson Converse <i>Social Science Divisional</i>	<i>Alpena</i>	*Werner Wilhelm Heine <i>German</i>	<i>Lansing</i>
Robert Otis Cook <i>History</i>	<i>Grand Rapids</i>	*Robert Foster Hoffman <i>History</i>	<i>Monroe</i>
Patricia Mary Costello <i>History</i>	<i>Highland Park</i>	George Harold Horman, Jr. <i>Social Science Divisional</i>	<i>Oscoda</i>
Doreen Ann Dale <i>History</i>	<i>Saginaw</i>	*Gretchen Gail Jagow <i>English</i>	<i>Lapeer</i>
John Frederick Danziger <i>Social Science Divisional</i>	<i>Dearborn</i>	Carol Jean Joslin <i>Art Education</i>	<i>Caro</i>
*Norman Edward Dunham <i>Mathematics</i>	<i>Petoskey</i>	John Gardner Klooz <i>Art Education</i>	<i>Lansing</i>

*With Honor

COLLEGE OF SCIENCE AND ARTS

DEGREES RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

BACHELOR OF ARTS (Continued)

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

DEGREE OF BACHELOR OF SCIENCE

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

*With Honor

†With High Honor

DEGREE OF BACHELOR OF SCIENCE (Continued)

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

DEGREES RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

BACHELOR OF SCIENCE

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

BACHELOR OF MUSIC

Margot Jackson Brisbin <i>School Music</i>	<i>Ann Arbor</i>	Jo Ann Ruth Kellogg <i>School Music</i>	<i>Lansing</i>
Barbara Kolm Grover <i>School Music</i>	<i>East Lansing</i>	Earl Edward Nelson <i>School Music</i>	<i>Washington, Ark.</i>

*With Honor

COLLEGE OF SCIENCE AND ARTS
BACHELOR OF MUSIC (Continued)

Walter William Sarata <i>School Music</i>	<i>Jackson</i>	Carol Ann Thome <i>Applied Music</i>	<i>Utica</i>
Donna Jean Sawatzke <i>School Music</i>	<i>Lapeer</i>	Robert Owen Wolters <i>School Music</i>	<i>Kalamazoo</i>

DEGREE OF MASTER OF ARTS

Olivine Nadeau Bohner <i>English</i>	<i>Cedar Lake</i>	H. Ronald Kaufman <i>History</i>	<i>Des Plaines, Ill.</i>
Charles Mark Bourassa <i>Psychology</i>	<i>Wyandotte</i>	Sonia Sophi Kiriluk <i>Geography</i>	<i>Lambertville, Ohio</i>
Juan Antonio Calvo y Costa <i>History</i>	<i>Valencia, Spain</i>	Richard Seth Knowles <i>Sociology and Anthropology</i>	<i>Holt</i>
Leonard Peter Campos <i>Psychology</i>	<i>East Lansing</i>	William Duane Kukuk <i>Psychology</i>	<i>Cambria, Wis.</i>
James Arthur Clard <i>Psychology</i>	<i>Mason</i>	Irwin William Miller, Jr. <i>Psychology</i>	<i>Grand Rapids</i>
Donald A. Clelland <i>Sociology and Anthropology</i>	<i>Valdosta, Ga.</i>	Alexander John Muntean <i>Sociology and Anthropology</i>	<i>Niles</i>
Denise de Cousser <i>Spanish</i>	<i>Lansing</i>	Thomas Roger Odenkirk <i>Geography</i>	<i>Cleveland, Ohio</i>
David Jon DenHouter <i>Psychology</i>	<i>Ann Arbor</i>	Stephen Paul Pistono <i>Social Science</i>	<i>St. Charles</i>
Steven Emil Deutsch <i>Sociology and Anthropology</i>	<i>East Lansing</i>	Robert Ellis Powell <i>Mathematics</i>	<i>East Lansing</i>
Kathryn Ferguson <i>Mathematics</i>	<i>Upper Sandusky, Ohio</i>	Leona Lydia Steinfatt <i>Business Education</i>	<i>Lansing</i>
James Arthur Geschwender <i>Sociology and Anthropology</i>	<i>Niagara Falls, N. Y.</i>	Mark Herman Thelen <i>Psychology</i>	<i>Fowler</i>
Michael J. Gilhool <i>History</i>	<i>Dearborn</i>	Shailer Thomas <i>Sociology and Anthropology</i>	<i>Greenwich, Conn.</i>
Eugene Richard Hall <i>Psychology</i>	<i>Flint</i>	Warren Dale Vanden Bosch <i>Social Science</i>	<i>Zeeland</i>
Richard Kenneth Haugen <i>Geography</i>	<i>Eau Claire, Wis.</i>	Paul Raymond Vaughan <i>Sociology and Anthropology</i>	<i>Charlotte</i>
		Richard Alvin Westmaas <i>Psychology</i>	<i>Tustin</i>

DEGREE OF MASTER OF SCIENCE

Richard Fernand Bernard <i>Zoology</i>	<i>New Auburn, Me.</i>	Aaldert Mennega <i>Zoology</i>	<i>Grand Rapids</i>
Stuart William Bradford <i>Botany and Plant Pathology</i>	<i>Sparta</i>	Roland Arthur Mildner, Jr. <i>Botany and Plant Pathology</i>	<i>Ann Arbor</i>
Michael Daniel Byer <i>Botany and Plant Pathology</i>	<i>East Lansing</i>	Roderick Kent Moore <i>Geology</i>	<i>Chesaning</i>
Bill Dean Cook <i>Physics and Astronomy</i>	<i>Arnett, Okla.</i>	Harlo M. Mork <i>Chemistry</i>	<i>Trenton</i>
David Lee Cross <i>Entomology</i>	<i>Ludington</i>	Faith Ingrid Naegeli <i>Geology</i>	<i>Fergus Falls, Minn.</i>
Richard Boyce Dardas <i>Microbiology and Public Health</i>	<i>Bay City</i>	Charles Samuel Nicoll <i>Physiology and Pharmacology</i>	<i>Lansing</i>
Kenneth Gordon Day <i>Mathematics</i>	<i>Jackson</i>	Sharon Katherine Palmer <i>Zoology</i>	<i>Mason</i>
Wayne Leroy Frederick <i>Chemistry</i>	<i>Mt. Pleasant</i>	William Kent Roth <i>Geology</i>	<i>Saginaw</i>
Lewis Allan Gustafson <i>Geology</i>	<i>Lansing</i>	Danute G. Sallauskas <i>Chemistry</i>	<i>Chicago, Ill.</i>
Mary Ellen Haggerty <i>Anatomy</i>	<i>Wyandotte</i>	John Egan Sander <i>Geology</i>	<i>Okemos</i>
John Carter Justice <i>Chemistry</i>	<i>Plainfield, N. J.</i>	Clarence Star <i>Geology</i>	<i>Grand Rapids</i>
John William Kools <i>Microbiology and Public Health</i>	<i>Holland</i>	James John Summary <i>Chemistry</i>	<i>Benton, Ill.</i>
Lois Cederberg Leffler <i>Chemistry</i>	<i>East Lansing</i>	Sylvan Junor Thomas <i>Entomology</i>	<i>Saginaw</i>
		Earl Alexander Tieppo <i>Zoology</i>	<i>River Rouge</i>

DEGREE OF MASTER OF ARTS FOR TEACHERS

Grover Edmiston Carter <i>Physics and Astronomy</i>	<i>East Lansing</i>	James Hiram Fookes <i>Chemistry</i>	<i>Corunna</i>
Ronald Henry Engebrecht <i>Chemistry</i>	<i>Oregon City, Oreg.</i>		

DEGREE OF MASTER OF MUSIC

Mary June Garn <i>Music</i>	<i>Charlotte</i>		
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**COLLEGE
OF
BUSINESS AND PUBLIC SERVICE**

The candidates will be presented by DEAN ALFRED L. SEELYE

DEGREE OF BACHELOR OF ARTS

Ronald Allan Athey <i>Restaurant Management</i>	<i>Detroit</i>	Daniel Rodriguez delaRosa <i>Political Science</i>	<i>Oak Park, Ill.</i>
James Watson Beers <i>General Business Administration</i>	<i>Battle Creek</i>	Carl Newton Dennis <i>Economics</i>	<i>Royal Oak</i>
Roger Doyle Berg <i>Transportation</i>	<i>Sturgis</i>	Robert William Doll <i>Accounting</i>	<i>Detroit</i>
Carlos Berger <i>Hotel Management</i>	<i>LaPaz, Bolivia</i>	Robert Lee Drulard <i>Accounting</i>	<i>Traverse City</i>
Perry Berkebile <i>Transportation</i>	<i>Port Clinton, Ohio</i>	James Joseph Duggan <i>Economics</i>	<i>Salamanca, N. Y.</i>
Jacob Hilmer Best, Jr. <i>Hotel Management</i>	<i>Skokie, Ill.</i>	Norman Chester Dykewicz <i>Accounting</i>	<i>Grand Rapids</i>
Robert Eldridge Blackshaw <i>Personnel Administration</i>	<i>Ferguson, Mo.</i>	Burton Royce Eckhardt <i>Accounting</i>	<i>Central Lake</i>
Lawrence Henry Blyth <i>Economics</i>	<i>Buffalo, N. Y.</i>	James Edward English <i>Economics</i>	<i>Rudyard</i>
Richard Lawson Botsford <i>Production Administration</i>	<i>Grand Rapids</i>	*William Horton Errett <i>General Business Administration</i>	<i>Mineola, N. Y.</i>
*Duane William Brown <i>Accounting</i>	<i>Morrice</i>	Julius Edmund Faust <i>Hotel Management</i>	<i>Port Huron</i>
William Everett Burch <i>General Business Administration</i>	<i>Flint</i>	John Fedak <i>Banking</i>	<i>Hamilton, Canada</i>
Ronald Roy Christensen <i>General Business Administration</i>	<i>Lansing</i>	Henry Luke Fisher <i>Political Science</i>	<i>Lansing</i>
Eugene Harold Coller <i>Business Education</i>	<i>Clio</i>	James Hugh Gallagher, Jr. <i>Marketing</i>	<i>Kalamazoo</i>
Robert James Cramp <i>General Business Administration</i>	<i>Buffalo, N. Y.</i>	William Jones Gearing <i>General Business Administration</i>	<i>St. Clair</i>
Leston Leon Crane <i>Marketing</i>	<i>Lansing</i>	James Richard Gersonde <i>Marketing</i>	<i>St. Joseph</i>
DeWitt William Cudd <i>Hotel Management</i>	<i>Port Arthur, Tex.</i>	R. Douglas Gielow <i>Production Administration</i>	<i>Lexington</i>
Paul Norman Damon <i>Personnel Administration</i>	<i>Shrewsbury, Mass.</i>	John G. Gillen <i>Accounting</i>	<i>Detroit</i>

*With Honor

DEGREE OF BACHELOR OF ARTS (Continued)

Homer Paul Greer <i>Economics</i>	McHenry, Ill.	James Oliver Lewis <i>Accounting</i>	Columbus, Ohio
Donald Roy Halling <i>Economics</i>	Flint	*Larry Charles Littlefield <i>Food Distribution</i>	Ferndale
John Peter Hanzas <i>Restaurant Management</i>	Pittsburgh, Pa.	George William Ludwig <i>Food Distribution</i>	Dunkirk, Ind.
Glenn Richard Haut <i>Accounting</i>	Cheboygan	Ross Alan Marr <i>General Business Administration</i>	Grosse Pointe Woods
Herbert Hoover Haven <i>Production Administration</i>	Grand Rapids	Richard Phillips Maher <i>Economics</i>	Lakewood, N. Y.
Richard Hollister Helgeson <i>Hotel Management</i>	Birmingham	Donald Gregory Marsh <i>General Business Administration</i>	Royal Oak
John Theophilus Hill <i>Political Science</i>	Ypsilanti	Donald Joe McClish <i>General Business Administration</i>	Bronson
Robert King Hill <i>Marketing</i>	Muskegon	Herbert Leslie McCullagh <i>Transportation</i>	Saginaw
Terry Edward Hines <i>Marketing</i>	Ann Arbor	Buddy Lee McDougall <i>Economics</i>	Warren
Lewis Cameron Hopkin <i>Accounting</i>	Pontiac	Keith LeRoy McGehee <i>Economics</i>	Flint
*David Alexander Hunt <i>General Business Administration</i>	East Lansing	William Arvine McLain <i>Economics</i>	Massillon, Ohio
Davis Preston Hunt <i>Hotel Management</i>	East Orange, N. J.	Maureen Helen Melberg <i>Economics</i>	LaGrange, Ill.
Harold Dean Huskey <i>Personnel Administration</i>	Covington, Tenn.	William George Mergard <i>Production Administration</i>	Royal Oak
Bruce Abt Jaquish <i>Financial Administration</i>	Grosse Pointe	Nancy Lee Mettner <i>Social Work</i>	Gary, Ind.
Thomas Joe Josephsen <i>General Business Administration</i>	Toledo, Ohio	John Joseph Mezo <i>Production Administration</i>	Port Huron
Michael Everett King <i>Economics</i>	Farmington	Gilbert D. Moreno <i>Marketing</i>	Dearborn
Harold George Kolb <i>Accounting</i>	Ludington	Robin George Murray <i>Political Science</i>	Glenelg, Australia
Robert Donlan Lane <i>Hotel Management</i>	Downers Grove, Ill.	James Frederick Niven <i>Restaurant Management</i>	Kenmore, N. Y.
Robert Kiess Larson <i>Personnel Administration</i>	Greenvale, N. Y.	David Lawson Noe <i>Economics</i>	Mount Clemens
Roger Jack Lee <i>Economics</i>	Sandusky	Frederick Arthur Oswald <i>Economics</i>	Detroit
William Albert Leritz <i>Economics</i>	Carlinville, Ill.	*James Alexander Payne <i>Economics</i>	Dearborn

*With Honor

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

Louis Henry Perry <i>Insurance</i>	<i>Kalamazoo</i>	Wallace Maurice Seegraves <i>Accounting</i>	<i>Potterville</i>
Timothy David Peterson <i>Marketing</i>	<i>Battle Creek</i>	Ronald Kenyon Segerlind <i>Economics</i>	<i>Grand Ledge</i>
Donald Raymond Price <i>General Business Administration</i>	<i>Winchendon, Mass.</i>	*Martin Bernard Shapino <i>Political Science</i>	<i>Long Beach, N. Y.</i>
John Richard Price <i>Accounting</i>	<i>Petoskey</i>	Paul Reuben Shelby <i>Economics</i>	<i>Detroit</i>
Ronald Karl Rappold <i>General Business Administration</i>	<i>Detroit</i>	*Fredric Lyle Smith <i>General Business Administration</i>	<i>Dearborn</i>
Charles David Ream <i>Political Science</i>	<i>Springfield, Ill.</i>	Paul Melvin Smith <i>Economics</i>	<i>Marlette</i>
Robert LaVerne Rice <i>Marketing</i>	<i>Norwich, N. Y.</i>	John Virgil Solomon <i>Production Administration</i>	<i>Royal Oak</i>
Gary Lee Robinson <i>Economics</i>	<i>Lansing</i>	Robert M. Spangler <i>Insurance</i>	<i>Perry</i>
Norman F. Rodgers <i>Banking</i>	<i>Thompsonville</i>	Russell Eugene Stump <i>General Business Administration</i>	<i>Jonesville</i>
Donald Rosenthal <i>Institutional Management</i>	<i>Brooklyn, N. Y.</i>	Reina Inez Tesch <i>Economics</i>	<i>Riverside, Ill.</i>
Jack Donald Rothley <i>Economics</i>	<i>Detroit</i>	Ira J. Thayer <i>Marketing</i>	<i>Battle Creek</i>
John Wayland Russell <i>Political Science</i>	<i>Orchard Lake</i>	George Joseph Thompson <i>Economics</i>	<i>Saginaw</i>
*Joseph Louis Ruth <i>Accounting</i>	<i>Port Austin</i>	Phillip Allan Trombley <i>General Business Administration</i>	<i>Nadeau</i>
Sheldon Harold Safer <i>Marketing</i>	<i>Flint</i>	Frank Louis Vaccarelli <i>Economics</i>	<i>Wyandotte</i>
Harriet Lenore Sax <i>Social Work</i>	<i>Detroit</i>	Clarence Roger VanVuren <i>General Business Administration</i>	<i>South Holland, Ill.</i>
Richard Emery Schaufelberger <i>General Business Administration</i>	<i>Honor</i>	Ray Watson <i>Social Work</i>	<i>Jackson</i>
Louis Henry Schimmel, Jr. <i>Financial Administration</i>	<i>Pontiac</i>	George Edward Weber <i>Economics</i>	<i>Saginaw</i>
Leroy Francis Schnepfer <i>Accounting</i>	<i>East Detroit</i>	John Max Whitney <i>General Business Administration</i>	<i>Escanaba</i>
Otto Schubel <i>Personnel Administration</i>	<i>Lansing</i>	Richard Mawning Ziegler <i>Institutional Management</i>	<i>St. Clair Shores</i>
Donn Morgan Scott <i>Political Science</i>	<i>Burlington, Vt.</i>	Robert Duane Zybach <i>Production Administration</i>	<i>Essexville</i>

*With Honor

COLLEGE OF BUSINESS AND PUBLIC SERVICE

DEGREES RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

BACHELOR OF ARTS

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

DEGREE OF BACHELOR OF SCIENCE

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

*With Honor
†With High Honor

COLLEGE OF BUSINESS AND PUBLIC SERVICE
DEGREE OF MASTER OF ARTS

Edward Marshall Cody <i>Business Education</i>	<i>Chattanooga, Tenn.</i>	F. Ward Ouradnik <i>General Business Administration</i>	<i>East Lansing</i>
Eliseo Reyes Cupino <i>Hotel, Restaurant, Institutional Management</i>	<i>Navotas, Philippines</i>	Georgios Kostarides Panagiotis <i>Hotel Management</i>	<i>Indianapolis, Ind.</i>
Larry Delmar Fowler <i>Marketing</i>	<i>Berkley</i>	Albert Roosevelt Pastori <i>Economics</i>	<i>Iron Mountain</i>
John Harris Guggenheim <i>Hotel, Restaurant, Institutional Management</i>	<i>East Lansing</i>	Martin Taggart Pond <i>Political Science</i>	<i>Lewiston, Utah</i>
Charles F. Hathaway <i>Hotel, Restaurant, Institutional Management</i>	<i>Van Nuys, Calif.</i>	Gerald Joseph Ravet <i>Accounting</i>	<i>Powers</i>
Myrtle Adelaide Herrick <i>Business Administration</i>	<i>Big Rapids</i>	Ward Lewis Ver Hage <i>Economics</i>	<i>Zeeland</i>
Merritt Baggott Hill <i>Political Science</i>	<i>East Lansing</i>		

DEGREE OF MASTER OF BUSINESS ADMINISTRATION

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

DEGREE OF MASTER OF URBAN PLANNING

Stuart Otis Denslow <i>Urban Planning</i>	<i>Weidman</i>
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**COLLEGE
OF
EDUCATION**

The candidates will be presented by DEAN CLIFFORD E. ERICKSON

DEGREE OF BACHELOR OF ARTS

Betty Lou Abrahamson <i>Elementary Education</i>	<i>Muskegon Heights</i>	Hilary Wilson Moore <i>Elementary Education</i>	<i>Buchanan</i>
Richard Louis Baumgartner <i>Elementary Education</i>	<i>Drayton Plains</i>	Ilene Janet Moss <i>Elementary Education</i>	<i>Springport</i>
Joan Mary Chalk <i>Elementary Education</i>	<i>Detroit</i>	Charlene Ann Pears <i>Elementary Education</i>	<i>Buchanan</i>
Joyce Ellen Cook <i>Elementary Education</i>	<i>Holland</i>	Janet Beatrice Pickard <i>Speech Correction</i>	<i>Detroit</i>
Marianne Kay Crozier <i>Elementary Education</i>	<i>Pontiac</i>	Joyce Ann Piziali <i>Elementary Education</i>	<i>Dearborn</i>
Mary Louise Deane <i>Elementary Education</i>	<i>Grand Rapids</i>	Nancy Lou Poore <i>Elementary Education</i>	<i>Flint</i>
Ilene Joan Deutsch <i>Elementary Education</i>	<i>Grand Rapids</i>	Barbara Janet Price <i>Elementary Education</i>	<i>Eaton Rapids</i>
Mary Roberta Downs <i>Elementary Education</i>	<i>Urbana, Ill.</i>	Beverly Jean Price <i>Elementary Education</i>	<i>Easton Rapids</i>
Nancy Jean Edson <i>Elementary Education</i>	<i>Port Huron</i>	Nancy Kay Struwin <i>Elementary Education</i>	<i>Battle Creek</i>
Alma Eleanore Gloden <i>Elementary Education</i>	<i>Lansing</i>	Joan Martin Stultz <i>Speech Correction</i>	<i>Mishawaka, Ind.</i>
Susan Paige Goebel <i>Elementary Education</i>	<i>Joliet, Ill.</i>	Deanna Rae Sutherland <i>Elementary Education</i>	<i>Midland</i>
Mary Beth Kimberly <i>Elementary Education</i>	<i>Detroit</i>	Helen Elizabeth Vaydik <i>Elementary Education</i>	<i>Lansing</i>
Mary Ann Kuffel <i>Elementary Education</i>	<i>Bay City</i>	*Beverly Ann Weesner <i>Elementary Education</i>	<i>Lansing</i>
*Nina Leepa <i>Elementary Education</i>	<i>Lansing</i>	Jean Gregory Wylie <i>Elementary Education</i>	<i>Howell</i>
Nancy Carol Marshall <i>Elementary Education</i>	<i>Grosse Pointe</i>		

*With Honor

COLLEGE OF EDUCATION

DEGREE OF BACHELOR OF SCIENCE

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

DEGREE OF MASTER OF ARTS — *Education*

Kenneth James Ackerman	<i>Lansing</i>	William Burle Draper	<i>East Lansing</i>
Sister Mary Audrey Adelman, RSM	<i>Muskegon</i>	William Richard Eick	<i>Goodrich</i>
Ralph V. Baynum	<i>Owosso</i>	Patrick James Flanigan	<i>Marquette</i>
Mary Stoll Becker	<i>Lansing</i>	Elizabeth B. Freemark	<i>Ecorse</i>
Margaret Haney Bless	<i>Onsted</i>	James Harlen Green	<i>Owosso</i>
Juanita Cade	<i>Lansing</i>	John Jenkins Harris	<i>East Lansing</i>
Mary Anne Carew	<i>Okemos</i>	Orley R. Herron, Jr.	<i>New Philadelphia, Ohio</i>
Louis Cohen	<i>Williamston</i>	Lowell Dwight Hewitt	<i>Elkton</i>
Charmayne Jeanne Cook	<i>Jackson</i>	Claire Gladys Hoadley	<i>Hillsdale</i>
Richard E. Devey	<i>Norfolk, Va.</i>		

*With Honor

DEGREE OF MASTER OF ARTS — *Education* (Continued)

Lester Wayne Johnson	<i>Kent City</i>	Charles Wallace Pelham, Jr.	<i>Cement City</i>
Andrew Thomas Kelley	<i>Detroit</i>	Joyce Lorraine Randall	<i>Lansing</i>
John Robert Key	<i>Mason</i>	Francis Coe Reed	<i>Williamston</i>
Douglas Albert King	<i>Lewiston</i>	James Prince Scott	<i>New Brighton, Pa.</i>
Wilma Fae Kuns	<i>Garden City, Kan.</i>	George Bernard Seafort	<i>Eaton Rapids</i>
Gordon Eugene Langereis	<i>Grand Rapids</i>	Eva Haselschwerdt Studley	<i>Grass Lake</i>
Frederick Alden Leafgren	<i>Champaign, Ill.</i>	Marvin Dean Sullivan	<i>Holland</i>
H. M. Malik	<i>Detroit</i>	Mary Mace Suydam	<i>East Lansing</i>
R. Foster Medford	<i>Grand Haven</i>	John Hilary Taylor	<i>Pickford</i>
Gerald C. Meyer	<i>North Rose, N. Y.</i>	Max J. Vibbert	<i>Midland</i>
Betty Ann Nelson	<i>Cambridge, Ohio</i>	Elizabeth Margaret Votruba	<i>East Lansing</i>
Mary Ann Oatley	<i>Rockford</i>	Kenneth Albert Whitmer	<i>Birmingham</i>
Mary Crampton Oatley	<i>Grand Rapids</i>	Russell George Wolff	<i>Onaway</i>
Joanne Elizabeth Olsen	<i>Frankfort</i>	William Matthew Woods	<i>Battle Creek</i>
Mildred Marguerete Parrott	<i>Battle Creek</i>		

**COLLEGE
OF
COMMUNICATION ARTS**

The candidates will be presented by DEAN GORDON A. SABINE

DEGREE OF BACHELOR OF ARTS

Mary Alice Ackerman <i>Television, Radio and Film</i>	<i>Birmingham</i>	Martha Lou Raths <i>Advertising</i>	<i>Marysville</i>
Theodore A. Cappelen <i>Advertising</i>	<i>Bensenville, Ill.</i>	John B. Stafford <i>Journalism</i>	<i>Greenville</i>
Harding James Christ <i>Journalism</i>	<i>Rocky River, Ohio</i>	William L. Stickney, III <i>Speech</i>	<i>Evanston, Ill.</i>
Oda Pearl Davis <i>Speech</i>	<i>Grand Rapids</i>	Terence Powell Sullivan <i>Television, Radio and Film</i>	<i>Snyder, N.Y.</i>
Frederick David Gowan <i>Advertising</i>	<i>Curtis</i>	David Peter Walters <i>Advertising</i>	<i>Royal Oak</i>
John Richard Hudson <i>Speech</i>	<i>Caro</i>	*Ronald Lewis Weaver <i>Speech</i>	<i>Three Rivers</i>
Ann Elizabeth Liston <i>Journalism</i>	<i>Wooster, Ohio</i>	Robert Francis Yates <i>Television, Radio and Film</i>	<i>Batavia, N.Y.</i>

DEGREES RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

BACHELOR OF ARTS

*Nancy Gail Angers <i>Speech</i>	<i>Grosse Ile</i>	Kenneth J. Krezel <i>Speech</i>	<i>Northville</i>
Brian Alan Burns <i>Speech</i> ..	<i>Lansing</i>	Walter Alexander Littlefield <i>Speech</i>	<i>Rye, N.Y.</i>
*Rosemary A. Hauger <i>Speech</i>	<i>Millington</i>		

DEGREE OF MASTER OF ARTS

John B. Barron <i>Television, Radio and Film</i>	<i>East Lansing</i>	Arthur William Einstein, Jr. <i>Advertising</i>	<i>Youngstown, Ohio</i>
Charles Louis Bartow <i>Television, Radio and Film</i>	<i>Middlesex, N.J.</i>	Rosarita Margaret Hume <i>General Communication Arts</i>	<i>Port Huron</i>
Donald Harold Blake <i>Television, Radio and Film</i>	<i>Quincy, Ohio</i>	Malcolm Sharpe <i>Television, Radio and Film</i>	<i>Malden, Mass.</i>
Donald Keith Darnell <i>General Communication Arts</i>	<i>Nevada, Mo.</i>	Don Bruce Wiegandt <i>Television, Radio and Film</i>	<i>Dearborn</i>
Calvin Wharton Downs <i>Speech</i> ..	<i>Norphlet, Ark.</i>		

*With Honor

**THE
HONORS
COLLEGE**

**COLLEGE OF AGRICULTURE
DEGREE OF BACHELOR OF SCIENCE**

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

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

**COLLEGE OF EDUCATION
DEGREE OF BACHELOR OF ARTS**

†Leola June Harnett <i>Speech Correction</i>	<i>Chicago Heights, Ill.</i>	†Linda Suzanne Locke <i>Elementary Education</i>	Capac
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**COLLEGE OF COMMUNICATION ARTS
DEGREE OF BACHELOR OF ARTS**

†Mary Claire Huff *Midland*
Journalism

*With Honor
†With High Honor

**SCHOOL
FOR
ADVANCED GRADUATE STUDIES**

The candidates will be presented by **DEAN MILTON E. MUELDER**

DEGREE OF DOCTOR OF PHILOSOPHY

Andres L. Abejo, *Quezon City, Philippines*

B.A., M.A., Sacred Heart College, 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

A.B., 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. Steffle, 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.
Thesis: A General Method for Detection and Recording of Component Bands in Chromatography with Liquid Eluents.

DEGREE OF DOCTOR OF PHILOSOPHY (Continued)

- William G. Chace, Jr., *Lowell, Mass.* B.S., University of Massachusetts; M.S., Michigan State University.
Horticulture. *Major Professor:* D. H. Dewey, Associate Professor.
Thesis: Some Factors Affecting Controlled Atmosphere Storage Disorders of Jonathan Apples.
- 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.
Thesis: Economic Development and Geographical Disparities in Farm Wage Rates in Michigan, 1940-1957.
- 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.
Thesis: Dynamics of the Hog Market With Emphasis on Distributed Lags in Supply Response.
- 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.
Thesis: Human Energy Expenditure in Handling Materials on the Farmstead.
- 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.
Thesis: Proteins of the Homogenized Milk Fat Globule Mem-
brane.
- 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.
Music. *Major Professor:* R. Sur, Professor.
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, Pro-
fessor.
Thesis: The Relation Between Biochemical and Morphologi-
cal Differentiation in *Blastocladia* 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 Chil-
dren.
- 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.
Thesis: The Inheritance of Eye Dominance and the Relation-
ship to Handedness and Visual Acuity.
- Grace Augusta Miller, *Cleveland, Ohio* B.S., Simmons College; M.S., Michigan State University.
Teacher Education. *Major Professor:* H. J. Dillon, Professor.
Thesis: A Study of the Effectiveness of Academic Preparation
of Recent Home Economics Graduates as Related to
Managerial Responsibilities in the Food Service Industry.
- Aimee Nutt Moore, *Ithaca, N. Y.* A.B., University of North Carolina; A.M., Columbia Univer-
sity.
Teacher Education. *Major Professor:* P. L. Dressel, Professor.
Thesis: A Study of Attitudes of Recent Graduates Toward
Their Educational Preparation for Food Service Admin-
istration in Home Economics and Hotel, Restaurant, and
Institutional Administration in Selected Universities.

DEGREE OF DOCTOR OF PHILOSOPHY (Continued)

- 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.
Thesis: The Effects of Mineral Nutrition on the Occurrence of Bitter Pit in Northern Spy Apples.
- Harry B. Pfost, *Cowgill, Missouri* B.S., University of Missouri; M.S., Alabama Polytechnic Institute.
Agricultural Engineering. *Major Professor:* W. Hall, Professor.
Thesis: The Effect of Ultrasonic Irradiation on the Rate of Heat Transfer Through Liquid.
- Richard Phelps, *New Ashford, Mass.* 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.
Thesis: The Telsa Glow Discharge in Organic Compounds Part I. Molecular Emission Spectra and Chemical Reactions Part II. Application to Gas Chromatography Detection.
- Donald L. Robach, *Grand Rapids* B.S., Aquinas College; M.S., Michigan State University.
Microbiology and Public Health. *Major Professor:* R. N. Costi-low, Associate Professor.
Thesis: The Role of Microorganisms in the Reduction and Oxidation of Meat Pigments.
- Colvin Ross, *Bowling Green, Ohio* B.A., Yankton College; M.A., Michigan State University.
Administrative and Educational Services. *Major Professor:* W. H. Roe, Professor.
Thesis: An Investigation of the Relationship Between the Elementary School Curriculum and the Mental Health of Children: Implications for Administration.

SCHOOL FOR ADVANCED GRADUATE STUDIES
DEGREE OF DOCTOR OF PHILOSOPHY (Continued)

- Marvin Schiller, *New York City, N.Y.* B.A., Queens College; M.A., Michigan State University. Psychology. *Major Professor:* L. L. McQuitty, Professor. *Thesis:* Ego-Strength in Student Leadership Assessment: A Pattern Analytic Investigation.
- Yilmaz Tokad, *Istanbul, Turkey* M.S., Technical University of Istanbul. Electrical Engineering. *Major Professor:* M. B. Reed, Professor. *Thesis:* Some Improvements on the Image-Parameter Method for the Design of L-C Filters.
- Goro Uehara, *Honolulu, Hawaii* B.S., M.S., University of Hawaii. Soil Science. *Major Professor:* M. M. Mortland, Associate Professor. *Thesis:* Activity Measurements in Water and Clay-Water Systems.
- Charles Earl Villars, *Bay City* B.S., M.S., University of Nebraska. Chemistry. *Major Professor:* R. D. Schuetz, Professor. *Thesis:* The Friedel and Crafts Reaction of Sulfur and Oxy-sulfur With Aromatic Compounds.
- Joseph John Waldmeir, *Detroit* A.B., Wayne University; A.M., University of Michigan. English. *Major Professor:* A. Jaffe, Associate Professor. *Thesis:* Ideological Aspects of the American Novels of World War II.
- William K. Warden, *Lansing* B.S., M.S., University of Illinois. Poultry Science. *Major Professor:* J. J. Schaible, Professor. *Thesis:* Intestinal Bacterial Population in Relation to Antibiotic Growth Stimulation in Poultry.
- 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.

Thesis: Rational Introduction of Technology on a Costa Rican Coffee Hacienda: Sociological Implications.

SCHOOL FOR ADVANCED GRADUATE STUDIES
DEGREE OF DOCTOR OF PHILOSOPHY (Continued)

- 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.
Thesis: Virulence Factors of *Leptospira Pomona*.
- 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.
Thesis: The Nitrogen Fractionation of a Clay Treated Sandy Soil.
- 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.
Thesis: The Analysis of Role Conflicts in a Complex Organization: The Police.
- William Leonard Ferrara, *Chicago, Ill.* B.S.C., DePau University; M.A., Michigan State University. Business Administration. *Major Professor:* B. C. Lemke, Professor.
Thesis: Accounting for Income Measurement and Cost Control.

DEGREE OF DOCTOR OF PHILOSOPHY (Continued)

- Neal L. First, *Ionia*
B.S., M.S., Michigan State University.
Animal Husbandry. *Major Professor:* H. A. Henneman, Professor.
Thesis: The Fertilizing Capacity of Frozen Ram Semen Using Various Diluents and Adjuvants.
- 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.
Thesis: Farm Organization and Resource Fixity: Modifications of the Linear Programming Model.
- Carl Charles Hoyt, *Williamston*
B.S., M.S., Michigan State University.
Poultry Science. *Major Professor:* L. E. Dawson, Associate Professor.
Thesis: Factors Influencing Acceptability of Cartons for Egg Packaging.
- Lawrence G. Kallander, *Bessemer*
B.A., St. Olaf College; M.S., Michigan State University.
Chemistry. *Major Professor:* L. L. Quill, Professor.
Thesis: Preparation and Properties of Some Boroxines.
- Jack Normain Kimmell, *Midland*
B.M., M.M., Julius Hartt College of Music.
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.

SCHOOL FOR ADVANCED GRADUATE STUDIES
DEGREE OF DOCTOR OF PHILOSOPHY (Continued)

- Raymond W. Lang, *Syracuse, N.Y.*
B.S., LeMoyné College; M.S., Michigan State University.
Microbiology and Public Health. *Major Professor:* L. C. Ferguson, Professor.
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.
Thesis: Fruit Set of Hand Pollinated Flowers of Peach (*Prunus Persica*) and Apricot (*Prunus Armeniaca*) in Different Micro-environments.
- John Y. Lu, *Tainan, Formosa*
B.S., Berea College; M.S., Michigan State University.
Agricultural Economics. *Major Professor:* C. G. Hildreth, Professor.
Thesis: Use of Queuing Theory in Determining Optimal Super Market Check-Out Facilities.
- Robert F. Lucey, Sr., *Worcester, Mass.*
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.
Thesis: A Further Investigation of the Double Flash Phenomenon.
- 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.
Microbiology and Public Health. *Major Professor:* W. L. Mallmann, Professor.
Thesis: Isocitritase, Glycine-Alanine, Transaminase and Development in *Blastocladlella 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.

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.
Microbiology and Public Health. *Major Professor:* C. H. Cunningham, Professor.
Thesis: Some Properties of Infectious Bronchitis Virus Propagated in the Isolated Chorioallantoic Membrane.
- 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* B.A., Washington Missionary College; M.A., Seventh-Day Adventist Theological Seminary.
Speech. *Major Professor:* K. G. Hance, Professor.
Thesis: A Rhetorical Analysis of the Speaking of Mrs. Ellen G. White: A Pioneer Leader and Spokeswoman of the Seventh-Day Adventist Church.
- 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.
Thesis: Personality Changes Under Group Psychotherapy.
- 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-Dichlorophenoxy-Asetic 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.
Thesis: Photochemical Isomerization of Ergosterol — A Kinetic Study.

**SCHOOL FOR ADVANCED GRADUATE STUDIES
DEGREE OF DOCTOR OF PHILOSOPHY (Continued)**

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.

Thesis: Sociological Variables, Personality Traits, and Buying Attitudes Related to Role Perceptions and Conflicts among 242 Michigan Wives.

Cooper H. Wayman, *Trenton, N.J.*

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

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

Thesis: Measurement of Dissociation Pressures of Hydrous Minerals Using Thermistors.

James Allen Wrede, *Stewartville, Minn.*

B.A., St. Olaf College.

Chemistry. *Major Professor:* H. Hart, Professor.

Thesis: I: The Synthesis and Solvolysis of Trifluoroacetates of Certain Cyclopropylcarbinols. II: The Synthesis and Attempted Thermal Rearrangement of Cyclopropylcarbinyl Phenyl Ether.

DEGREE OF DOCTOR OF EDUCATION

James David Hoffmen, *Bristol, Ind.*

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

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

Thesis: A Study of the Role of Elementary Special Area Teacher and/or Consultant in Selected School Systems in Michigan.

Helen L. Hollandsworth, *Conrad, Mont.*

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

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

Thesis: Factors Influencing Montana State College Home Economics Graduates for the Years 1935 Through 1955 to Enter, to Leave, or to Remain in the Teaching.

