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TUESDAY, DECEMBER NINTH

NINETEEN HUNDRED AND FIFTY-EIGHT

131

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.

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

ORDER OF CEREMONIES

PROCESSIONAL

TRIUMPHAL MARCH FROM "CLEOPATRA" Mancinelli
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

RABBI PHILIP FRANKEL
Shaarey Zedek Congregation
Lansing, Michigan

ADDRESS:

EDGAR L. HARDEN, ED.D.
President, Northern Michigan College

CONFERRING OF DEGREES

JOHN A. HANNAH, D.AGR., LL.D., HH.D., L.H.D., D.Sc.
President, Michigan State University

ALMA MATER

..... Traynor

M.S.U. we love thy shadows
When twilight silence falls,
Flushing deep and softly paling
O'er ivy covered halls.
Beneath the pines we'll gather
To give our faith so true,
Sing our love for Alma Mater
And thy praises, M.S.U.

When from these scenes we wander
And twilight shadows fade,
Our mem'ry still will linger
Where light and shadows played.
In the evening oft we'll gather
And pledge our faith anew,
Sing our love for Alma Mater
And thy praises, M.S.U.

BENEDICTION

RABBI PHILIP FRANKEL

RECESSIONAL

CORONATION MARCH FROM "THE PROPHET" Meyerbeer

*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.*

STATE BOARD OF AGRICULTURE

Michigan State University operates under the jurisdiction of a constitutional body known as the State Board of Agriculture. 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, <i>Chairman</i>	Pinconning
THE HONORABLE CLARK L. BRODY	Lansing
THE HONORABLE C. ALLEN HARLAN	Detroit
THE HONORABLE ARTHUR K. ROUSE	Boyer City
THE HONORABLE DON STEVENS	Okemos
THE HONORABLE JAN B. VANDERPLOEG	North Muskegon

THE HONORABLE LYNN M. BARTLETT, <i>Ex Officio</i>	Lansing
JOHN A. HANNAH, <i>Ex Officio, President</i>	East Lansing
KARL H. McDONEL, <i>Secretary</i>	East Lansing
PHILIP J. MAY, <i>Treasurer</i>	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 103rd 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 1957-58 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

- Clarence Joseph Aerts <i>Dairy Manufacturing</i>	Hart	- Bradford Larry Gourdie <i>Residential Building</i>	Mt. Morris
- Alan Edward Armstrong <i>Fisheries and Wildlife</i>	Richards Landing, Can.	- *Robert Rance Grothman <i>Forestry</i>	Tomahawk, Wis.
- *John Asmah <i>Wood Processing Technology</i>	Cape Coast, Ghana, W. Africa	- Frederic R. Haines <i>Lumber and Building Materials Merchandising</i>	Ellwood City, Pa.
- Chester Congdon Bannister <i>Packaging Technology</i>	Marine City	- Richard Allen Haynor <i>Agricultural Extension</i>	Hart
- Norman Charles Bauer <i>Agricultural Extension</i>	Berrien Center	- Donald M. Heller <i>Residential Building</i>	Lansing
- *William Clark Bryant <i>Fisheries and Wildlife</i>	Orchard Lake	- Richard Harry Hoepfinger <i>Packaging Technology</i>	Kenmore, N. Y.
- Neil Hurley Butler <i>Residential Building</i>	Mt. Clemens	- John Edward Howell <i>Packaging Technology</i>	East Lansing
Richard Hemyng Carlson <i>Dairy Manufacturing</i>	Cresskill, N. J.	- Frederick Martin Joffe <i>Food Technology</i>	Evanston, Ill.
- Keith Frederick Cline <i>Fisheries and Wildlife</i>	Mason	- Keith Wendell Johncock <i>Residential Building</i>	Delton
- Terry Lee Dankenbring <i>Packaging Technology</i>	Grand Ledge	- William Leonard Johnston, Jr. <i>Packaging Technology</i>	Collingswood, N. J.
- Ralph Noel Dell <i>Residential Building</i>	Lansing	- Glenn Henry Kardel <i>Farm Crops</i>	Charlotte
- Leo William Dorr <i>Dairy Production</i>	Saginaw	- †Lewis E. Kirkwood <i>Packaging Technology</i>	Adrian
- James Ronald Dray <i>Packaging Technology</i>	Snyder, N. Y.	- Gale Dean Kline <i>Animal Husbandry</i>	Constantine
- James Lyman Frimodig <i>Residential Building</i>	Lansing	- Richard James Konchar <i>Fisheries and Wildlife</i>	Cleveland, O.
- George Jr. Fyrciak <i>Agricultural Mechanics</i>	Fowlerville	- Reinhart Paul Korn <i>Packaging Technology</i>	Flushing
- Roderic J. Garn <i>Dairy Production</i>	Charlotte	- Raymond Eugene Latowski <i>Packaging Technology</i>	Battle Creek
- Kenneth James Garo <i>Farm Crops</i>	Deerfield	- David Earl Longfield <i>Animal Husbandry</i>	Highland

*With Honor
†With High Honor

COLLEGE OF AGRICULTURE
DEGREE OF BACHELOR OF SCIENCE (Continued)

- William Dean Lontz <i>Residential Building</i>	Decatur, Ill.	*Richard George Stonex <i>Forestry</i>	Brighton
- Thomas Frederick Marick <i>Packaging Technology</i>	Grosse Pointe	*Harry DeWitt Switzer <i>Forestry</i>	Murphysboro, Ill.
- Darrel Charles Middlewood <i>Park Management</i>	Livonia	- Willet Theodore VanVelzen <i>Fisheries and Wildlife</i>	Otsego
- Kent Brian Nerbonne <i>Wood Processing Technology</i>	Lansing	- Otomars Veiss <i>Food Technology</i>	Lansing
- Kenneth Charles Phelps <i>Packaging Technology</i>	Battle Creek	- Larry Edward Walsh <i>Packaging Technology</i>	Detroit
- Neville Virgil Pitcher <i>Residential Building</i>	Sheridan	- Gerald David Watson <i>Fisheries and Wildlife</i>	Wayne
- John Fredrick Porritt <i>Residential Building</i>	Alto	- Norman Hahn Weber <i>Floriculture</i>	Oak Park
- Michael Hanson Price <i>Packaging Technology</i>	Lansing	- Robert Frederick Weiss <i>Fisheries and Wildlife</i>	Flint
Harold Junior Rappuhn <i>Agricultural Mechanics</i>	Mayville	- Jerry Lee Wilson <i>Forestry</i>	Owosso
- Thomas Russell Richards <i>Agricultural Journalism</i>	Saline	Ralph Stanley Wirebaugh <i>Agricultural Economics</i>	Homer
- *Richard Thomas Ruff <i>Dairy Manufacturing</i>	Port Huron	- Nicholas Peter Yeanoplos <i>Packaging Technology</i>	Detroit
- John Max Schafsnitz <i>Packaging Technology</i>	Reese	- Richard Donald Young <i>Packaging Technology</i>	Lansing
- Richard Peter Seroka <i>Packaging Technology</i>	Hamtramck	- Paul Farnsworth Young, Jr. <i>Packaging Technology</i>	East Lansing
Harris Walker Seymour <i>Packaging Technology</i>	Kapuskasing, Canada	- Ralph Zynda <i>Packaging Technology</i>	Fountain
- Ronald Douglas Steffens <i>Lumber and Building Materials Merchandising</i>	Fraser		

DEGREES RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION
BACHELOR OF SCIENCE

- John Raymond Arlt <i>Agricultural Education</i>	Kingsley	- Don Morley Lindsay <i>Agricultural Education</i>	Charlotte
- John Dallas Curell <i>Agricultural Education</i>	North Branch	- Benjamin Alvin Miller <i>Agricultural Education</i>	Alto
- John Edward Jansen <i>Agricultural Education</i>	Detroit	- *James Dalton Potier <i>Agricultural Education</i>	Perry
- John Francis Leech <i>Agricultural Education</i>	Morenci		

*With Honor

DEGREE OF MASTER OF SCIENCE

Frederick Hung Fo Au <i>Soil Science</i>	Honolulu, Hawaii	Lowell Nelson Lewis <i>Horticulture</i>	West Pittston, Pa.
Ransom Leland Baldwin, Jr. <i>Dairy</i>	Meriden, Conn.	Lloyd Oscar Luedecke <i>Dairy</i>	Carvallis, Mont.
Max Erwin Benne <i>Dairy</i>	Okemos	George Cameron MacQueen <i>Agricultural Extension</i>	Howell
Richard Lee Cooper <i>Farm Crops</i>	Brook, Ind.	Daris Daniel Moyer <i>Agricultural Economics</i>	Okemos
David Lee Correll <i>Fisheries and Wildlife</i>	Lombard, Ill.	Thomas Richard Mulvaney <i>Food Technology</i>	Bellevue
Richard Hugh DeLano <i>Horticulture</i>	Grand Rapids	Ormond Charles Pailthorp <i>Dairy</i>	Petoskey
Joseph Ralph Dumont <i>Farm Crops</i>	Mikado	Fred J. Peabody <i>Agricultural Extension</i>	Saranac <i>Card says Educ</i>
Per Erik Eliasson <i>Agricultural Economics</i>	Tarna, Sweden	Carl Axel Rannfelt <i>Agricultural Engineering</i>	Orebro, Sweden
George Edward Evans <i>Horticulture</i>	Simms, Mont.	Donald J. Richards <i>Resource Development</i>	Jackson
Lyle Patrick Fettig <i>Agricultural Economics</i>	Petoskey	Thomas Ritsuo Sawa <i>Animal Husbandry</i>	Ewa, Hawaii
Robert Dean Fox <i>Agricultural Engineering</i>	Cass City	Robert William Scheuerman <i>Horticulture</i>	Detroit
George Richard Fritz <i>Dairy</i>	Detroit	Lee Frederick Schrader <i>Agricultural Economics</i>	Okawville, Ill.
Joe R. Goodin <i>Horticulture</i>	Claude, Tex.	Hari Mohan Singh <i>Soil Science</i>	Tilkamajhi, India
Glen Willis Higgins <i>Agricultural Economics</i>	Liberty, Ind.	Frederick G. Snook <i>Forest Products</i>	Akron, O.
Mary Strickland Holmes <i>Agricultural Economics</i>	Grand Rapids	Richard William Taylor <i>Farm Crops</i>	Idaho Falls, Id.
Kay Victor Lask <i>Agricultural Engineering</i>	Detroit	Jerry B. Waters <i>Agricultural Economics</i>	St. Francis, Kan.
Ronald Keith Leonard <i>Agricultural Engineering</i>	Woodbine, Ia.	John Otto Younger <i>Forest Products</i>	Appleton, Wis.

COLLEGE OF ENGINEERING

The candidates will be presented by DEAN JOHN D. RYDER

DEGREE OF BACHELOR OF SCIENCE

~ *Page LeRoy Bellinger <i>Agricultural Engineering</i>	Rosebush	~ Joseph William McAvoy <i>Agricultural Engineering</i>	Owosso
~ Theodore Donald Benson, Jr. <i>Mechanical Engineering</i>	Jackson	~ Leonard George Nowak <i>Agricultural Engineering</i>	Cedar Springs
~ Hugh James Bond, Jr. <i>Civil Engineering</i>	Lansing	~ Leo George Oehring <i>Mechanical Engineering</i>	Wyandotte
~ Patrick Errol Caskey <i>Mechanical Engineering</i>	Williamston	~ R. B. Omo, Jr. <i>Agricultural Engineering</i>	Tekonsha
~ Donald Boyd Churchill <i>Agricultural Engineering</i>	East Lansing	~ Lawrence William Radzville <i>Civil Engineering</i>	Detroit
~ Edward Ervin Doty <i>Mechanical Engineering</i>	East Lansing	~ Glenn James Rice <i>Mechanical Engineering</i>	Sidney, N. Y.
~ James Lionel Duncan <i>Agricultural Engineering</i>	Clare	~ Keyvan Rokni <i>Mechanical Engineering</i>	Tehran, Iran
~ Richard Lee Gifford <i>Mechanical Engineering</i>	Lansing	~ Robert Stuart Rouston <i>Mechanical Engineering</i>	Detroit
~ Kenneth Iver Gustafson <i>Electrical Engineering</i>	Felch	Alvaro Sarria <i>Mechanical Engineering</i>	Popayan, Colombia
~ Edgar E. Haase <i>Chemical Engineering</i>	Niles	~*Jack Deward Slocum <i>Mechanical Engineering</i>	Hastings
~ Louis Charles Hamilton <i>Mechanical Engineering</i>	Mayville	~ Donald Erwin Spencer <i>Electrical Engineering</i>	East Tawas
~ Philip Charles Hedges <i>Civil Engineering</i>	Snyder, N. Y.	~ James Donald Springer <i>Agricultural Engineering</i>	Detroit
~ Morris Ross Hoffman <i>Chemical Engineering</i>	Fenton	~ Donald Eugene Stroud <i>Civil Engineering</i>	Lansing
~ John Andrew Kalasky <i>Metallurgical Engineering</i>	Detroit	~ John Edmund Talbot <i>Mechanical Engineering</i>	Scotia, N. Y.

DEGREE OF MASTER OF SCIENCE

~ Leon Howard Arnold <i>Civil Engineering</i>	Athens, Pa.	~ Leslie Erwin Lahti <i>Chemical Engineering</i>	Superior, Wis.
~ Richard Thomas Bourns <i>Chemical Engineering</i>	South Lyon	~ B. Basava Raju <i>Applied Mechanics</i>	Bangalore, India
~ David Christian Hilty <i>Electrical Engineering</i>	Chatham, N. J.	~ Edward Michael Schall <i>Applied Mechanics</i>	St. Louis, Mo.
~ Edwin Tetsuo Kaneko <i>Civil Engineering</i>	Kona, Hawaii		

*With Honor

COLLEGE OF HOME ECONOMICS

The candidates will be presented by DEAN THELMA E. PORTER

DEGREE OF BACHELOR OF SCIENCE

Harriett Ann Endress <i>General Home Economics</i>	Detroit	^ Mary Jane Roth <i>General Home Economics</i>	Leland
^ Mary Lou Jenkins <i>Retailing</i>	Ambler, Pa.	^ Nancy Jean Sayers <i>Home Economics Extension</i>	Davison
^ *Jacqueline Northrup Johnston <i>General Home Economics</i>	East Lansing	^ Nancy Murtella Secules <i>General Home Economics</i>	Battle Creek
^ Mary Ann Pete <i>General Related Arts</i>	Grosse Pointe	^ Shirley Ann Steckly <i>Foods</i>	Toledo, O.
^ *Betty Lou Rocker Roberts <i>General Home Economics</i>	Wixom	^ Barbara Evelyn Thrun <i>Nutrition</i>	Lansing

DEGREES RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

BACHELOR OF SCIENCE

^ Barbara Elide King <i>Home Economics Teaching</i>	Honor	^ Janice Lorraine Ostapowicz <i>Home Economics Teaching</i>	Grand Rapids
^ Nancy Lee Kline <i>Home Economics Teaching</i>	Constantine	^ Eileen Ida Rebmann <i>Home Economics Teaching</i>	Roslyn Heights, N. Y.
^ *Leota Mae Orchard <i>Home Economics Teaching</i>	Davison		

DEGREE OF MASTER OF ARTS

Sister Ann Gabriel Kilsdonk <i>Clothing and Textiles</i>	Monroe
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DEGREE OF MASTER OF SCIENCE

Roberta H. Atkinson <i>Institutional Administration</i>	Missoula, Mont.	^ Mary Elizabeth Slater <i>Institutional Administration</i>	Mitchell, Ind.
^ Catherina P. Melchy <i>Foods</i>	Amsterdam, Netherlands		

*With Honor

COLLEGE OF VETERINARY MEDICINE

The candidates will be presented by DEAN WILLIS E. ARMISTEAD

DEGREE OF BACHELOR OF SCIENCE

*Margaret Howard Kropschot Detroit
Medical Technology

DEGREE OF MASTER OF SCIENCE

Thomas Mathew Ford	Battle Creek	Bernard Franklin Taylor	Charles Town, W. Va.
Surgery and Medicine		Microbiology and Public Health	
James H. Strickland	Lansing	Glenn Lee Waxler	East Lansing
Anatomy		Veterinary Pathology	

COLLEGE OF SCIENCE AND ARTS

The candidates will be presented by DEAN MILTON E. MUELDER

DEGREE OF BACHELOR OF ARTS

James Edward Balfour	Pentwater	*Winnifred Ann Daignault	Lansing
Social Science Divisional		English	
Dale John Beck	Ithaca	John Everett Davis	Grand Rapids
Geography		Social Science Divisional	
Thomas Carlton Bernhardt	Northville	James Drummond Dooley	Saginaw
Psychology		Art	
Charles Bainbridge Bishop	Detroit	Dwight George Ebeling	Almont
Art		Social Science Divisional	
John McIntyre Clifford	East Lansing	Robert Farrell Eck	Iron Mountain
Social Science Divisional		Social Science Divisional	
John Alexander Colvin	Lansing	Carole Ann Ellis	Columbia, Mo.
Social Science Divisional		Music Therapy	
Robert Lee Crowner	DeWitt	Kay Ruth Ewer	Lansing
Social Science Divisional		Music Therapy	
Richard Banister Curren	Kalamazoo		
Social Science Divisional			

*With Honor

also: Jay Dundon Jacobs. Hist
Judith Ann Larwood

COLLEGE OF SCIENCE AND ARTS (CONTINUED)

DEGREE OF BACHELOR OF ARTS (Continued)

Elaine Dale Fineout <i>English</i>	Lansing	Gerald Clayton Meyer <i>Psychology</i>	N. Rose, N. Y.
Annette Horton Hardesty <i>Social Science Divisional</i>	Oak Park	John Michael Moran <i>Philosophy</i>	Rochester
Joan Kay Olsen Hashimi <i>Psychology</i>	Racine, Wis.	Jay B. Myers <i>Social Science Divisional</i>	Lansing
*Jerry Dockham Henderson <i>Social Science Divisional</i>	Kingston	Betty Mae Ostrander <i>History</i>	Stockbridge
Carl Willis Hess <i>Social Science Divisional</i>	Sault Ste. Marie	Peter William Platten <i>Social Science Divisional</i>	Royal Oak
Robert John Hierholzer <i>Chemistry</i>	Herkimer, N. Y.	Virginia Ann Baker Pomerleau <i>Art</i>	Bloomfield Hills
Richard Edward Hockenbury <i>Social Science Divisional</i>	Danville, Ill.	Gene Raymond Pritchard <i>Sociology and Anthropology</i>	Jackson
Robert Read Jenkins <i>Social Science Divisional</i>	Bloomfield Hills	John Charles Prost <i>Social Science Divisional</i>	Detroit
Harry Mershon Jordan, Jr. <i>Psychology</i>	Detroit	Plato Nicholas Rantis <i>Social Science Divisional</i>	Stevensville
Allen Edward Kemppainen <i>Chemistry</i>	Pelkie	Morris M. Russ <i>Psychology</i>	Guatemala City, Guatemala
†Charles A. Kiesler <i>Psychology</i>	Otter Lake	Stuart Silvers <i>Social Science Divisional</i>	Jamaica, N. Y.
Suzanne Marie Leichtamer <i>Philosophy</i>	Toledo, O.	William Robert Thomas <i>Psychology</i>	Kingsford
Mary Kay Liddle <i>Social Science Divisional</i>	Grosse Pointe Woods	*Richard Norman Wagner <i>Physics and Astronomy</i>	Birmingham
*Jane Wells Long <i>Music Therapy</i>	Johnson City, Tenn.	Vera Jane Windbial <i>Social Science Divisional</i>	Chicago, Ill.
Charles Edward Lucey, Jr. <i>Social Science Divisional</i>	East Lansdowne, Pa.	Ronald Edwin Witt <i>Mathematics</i>	Taverse City
Nelson Edward Lyke <i>Social Science Divisional</i>	Livonia	Roslyn Whaley Young <i>Art</i>	Lansing
Kenneth Jay McCormick <i>Social Science Divisional</i>	Royal Oak		

DEGREES RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION
BACHELOR OF ARTS

Marjorie Ann Bach <i>Social Science Divisional</i>	Akron	Saralee Bernth <i>English</i>	Greenville
George Arnold Bentley <i>Art</i>	Lyndonville, N. Y.	Michael Vincent Bell <i>Social Science Divisional</i>	Birmingham

*With Honor
†With High Honor

COLLEGE OF SCIENCE AND ARTS

DEGREES RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

BACHELOR OF ARTS (Continued)

Joellen Harriet Butters <i>Social Science Divisional</i>	Coldwater	Robert Alan MacLauchlin <i>History</i>	Bessemer
Keith O. Evans <i>History</i>	East Jordan	Paul James Pernish <i>Social Science Divisional</i>	Owosso
Doris Huie <i>Art Education</i>	Brooklyn, N. Y.	Wayne Allen Phares <i>English</i>	Battle Creek
Judith M. Langohr <i>Art Education</i>	Columbia City, Ind.	*Richard Macfarlane Proctor <i>Art Education</i>	Dearborn
*Mary Lou Lewis <i>History</i>	Perry	Carl Harold Richter <i>English</i>	Bay City
Richard Chapman Lyon <i>Social Science Divisional</i>	Wyandotte	*Virginia Ann Voytech <i>Art Education</i>	Chicago, Ill.
Donald Gordon MacKenzie <i>Sociology and Anthropology</i>	Clawson	†Donald Laverne Walters <i>History</i>	Muskegon

DEGREE OF BACHELOR OF SCIENCE

*Samuel Leslie Alguire <i>Geology</i>	Plainwell	Ralph Emerson Irwin <i>Microbiology and Public Health</i>	Detroit
Bruce Lee Barker <i>Mathematics</i>	Charlevoix	James Daniel Kanitz <i>Geology</i>	Traverse City
Raoul E. Bates <i>Zoology</i>	Utica, N. Y.	*Ranney Allen Klenke <i>Physics and Astronomy</i>	Grand Ledge
Roland Girard Bolduc <i>Mathematics</i>	Old Orchard Beach, Me.	Albert Carl Krug <i>Geology</i>	Montague
Robert Ernest Brown <i>Geology</i>	Leslie	Kenneth Darrow Kuhn <i>Geology</i>	Fenton
H. Dennis Clark <i>Zoology</i>	South Lyon	John Stephen Kupiec <i>Mathematics</i>	Detroit
Janet Sharon Elsifor <i>Nursing Education</i>	Ann Arbor	Robert Collins Leonard <i>Zoology</i>	Ferndale
William Edward Fabian <i>Zoology</i>	Willow Springs, Ill.	*John Alexander Letts <i>Zoology</i>	Durand
Seth Thomas Foresman IV <i>Geology</i>	Birmingham	Joseph Harry Lezovich, Jr. <i>Mathematics</i>	Morrice
Edward George Graham <i>Physical Science Divisional</i>	Rochester	Frederick Ernest Mensenberg <i>Geology</i>	Dearborn
John Alan Grauer <i>Biological Science Divisional</i>	Wauwatosa, Wis.	Richard Leighton Reames <i>Geology</i>	Dowagiac
Richard Clare Hartt <i>Geology</i>	Birmingham	Darrell Alfred Tester <i>Geology</i>	Marshall

*With Honor

†With High Honor

also Alan Lee Culpepper Chem

DEGREE OF BACHELOR OF SCIENCE (Continued)

Richard John Thompson <i>Geology</i>	Grand Rapids	*Dean Bessmer Webb <i>Geology</i>	Lansing
James Richard Wallace <i>Geology</i>	Leslie	Evan Southgate Williams <i>Physics and Astronomy</i>	Rochester
*Thomas Patrick Wangler <i>Physics and Astronomy</i>	Lansing		

DEGREES RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

BACHELOR OF SCIENCE

*Warren Lee Cook <i>Biological Science Divisional</i>	Holland	Peter David Goldberg <i>Biological Science Divisional</i>	Marshall
David Richard Fleming <i>Botany and Plant Pathology</i>	Grand Rapids	George Jacques Hopely <i>Zoology</i>	Philadelphia, Pa.
*Myrtle Ann Goetz <i>Mathematics</i>	Walled Lake	Harold George Kiehm II <i>Biological Science Divisional</i>	Chicago, Ill.

BACHELOR OF MUSIC

Kenneth Adrian Ish <i>School Music</i>	Pontiac
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DEGREE OF MASTER OF ARTS

Walter Rosser Banks <i>Sociology and Anthropology</i>	Paulsboro, N. J.	Robert Ewart Ihrig <i>Art</i>	Lansing
John Alfred Belton <i>Psychology</i>	Saginaw	James Joseph Kelly <i>Art</i>	Rifton, N. Y.
Paul S D Berg <i>Psychology</i>	Bronx, N. Y.	Richard Seth Knowles <i>Sociology and Anthropology</i>	Holt
George Charles Bubolz, Jr. <i>Sociology and Anthropology</i>	East Lansing	Helen Patricia Lipscomb <i>Philosophy</i>	Waynesboro, Va.
Charles Emmett Elliott III <i>English</i>	South Orange, N. J.	Dennis Lee Massie <i>English</i>	Owosso
John James Gawronski <i>Psychology</i>	Dunkirk, N. Y.	Douglas W. McNitt <i>Art</i>	Okemos
William Harrison Haight <i>Sociology and Anthropology</i>	Lake Orion	Kliem Ralph Miller <i>Psychology</i>	Holt
Lloyd Daniel Hayes <i>Philosophy</i>	Flint	Lois Bartlett Tracy <i>Art</i>	Wise, Va.
Eugene Carl Hepola <i>Sociology and Anthropology</i>	Hancock	Frank Maddox Winn <i>French</i>	Vancouver, Canada
Gerald Lee Hershey <i>Psychology</i>	Redondo Beach, Cal.	Anthony Zito <i>Social Science</i>	St. Clair Shores

*With Honor

COLLEGE OF SCIENCE AND ARTS
DEGREE OF MASTER OF SCIENCE

William Fay Bradford <i>Geology</i>	Royal Oak	Robert Paul Jackson <i>Geology</i>	Straffordsville, Canada
John Gary Brady <i>Entomology</i>	Trenton	John William Kools <i>Microbiology and Public Health</i>	Holland
Albert Harold Bryan <i>Mathematics</i>	Indianola, Ia.	Stanley Garson Krane <i>Chemistry</i>	New York, N. Y.
David Lewis Egleston <i>Geology</i>	Lansing	Parrin Medhat <i>Chemistry</i>	Tabriz, Iran
Jack Albert Eichmeier <i>Entomology</i>	Okemos	Neill Hodges Nutter <i>Geology</i>	Pontiac
Stanley H. Elman <i>Geology</i>	Brooklyn, N. Y.	James Francis O'Connell <i>Geology</i>	Lowville, N. Y.
George Howard Ferguson <i>Microbiology and Public Health</i>	Providence, R. I.	Jerry William Riffle <i>Botany and Plant Pathology</i>	South Bend, Ind.
Hajime Hayashi <i>Microbiology and Public Health</i>	Gifu City, Japan		

DEGREE OF MASTER OF ARTS TEACHING

Robert Keith Harry <i>Chemistry</i>	Lansing
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DEGREE OF MASTER OF MUSIC

Boyd Charles Halstead <i>Music Education</i>	Flint	Dean Allen Verhey <i>Music Education</i>	Hollandsdale, Minn.
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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

David Vernon Abelew <i>Economics</i>	Milwaukee, Wis.	Foster D. AschenBrenner <i>General Business Administration</i>	Farmington
David Jerome Affholder <i>Marketing</i>	Lansing	Norman Louis August <i>Economics</i>	Chicago, Ill.
*Terence August Andre <i>Marketing</i>	Saginaw	Jack Michael Battaglia <i>Accounting</i>	Jamestown, N. Y.

*With Honor

COLLEGE OF BUSINESS AND PUBLIC SERVICE

DEGREE OF BACHELOR OF ARTS (Continued)

Albert Thomas Bell <i>Economics</i>	Niles	Thomas Fred Fox <i>Hotel Administration</i>	Indianapolis, Ind.
Michael Alan Beckerman <i>Political Science</i>	Bronx, N. Y.	Irving Charles French <i>Accounting</i>	Jackson
James Leon Bischoff <i>General Business Administration</i>	Marshall	Donald W. Gerrie <i>Production Administration</i>	Highland Park
Robert Lawrence Block <i>Economics</i>	Grand Rapids	Robert Page Ghysels <i>General Business Administration</i>	Grand Rapids
Romine David Bristol <i>Economics</i>	Almont	Dean Duane Gould <i>Marketing</i>	St. Louis
Clarence Jacob Brainerd <i>General Business Administration</i>	Chesaning	Norman Campbell Griffeth <i>Accounting</i>	Hickory Corners
Lyle R. Brown, Jr. <i>Production Administration</i>	Lathrup Village	Robert Bruce Grinager <i>Production Administration</i>	Farmington
Ronald J. Bumbalo <i>Hotel Management</i>	Jamestown, N. Y.	Donald Merwyn Hannula <i>Production Administration</i>	Calumet
David Payne Caswell <i>General Business Administration</i>	Port Huron	Lawrence Francis Harding, Jr. <i>General Business Administration</i>	Detroit
Clarence Ronald Capps <i>Production Administration</i>	Columbus, O.	Donald Leach Harter <i>Marketing</i>	Cornwall, N. Y.
Donald Fruehauf Chamberlin <i>General Business Administration</i>	Grosse Pointe	Richard George Hebelier <i>Economics</i>	St. Johns
Robert Stedman Chase <i>Personnel Administration</i>	Pontiac	Robert Neal Hills <i>Economics</i>	Sturgis
Robert William Clarke <i>Accounting</i>	Charlevoix	Minh Hoang <i>Economics</i>	Saigon, Viet-Nam
Jeffrey Webb Coke <i>Economics</i>	Chesaning	Steward B. Hoffman, Jr. <i>Economics</i>	Omaha, Neb.
Frederick Charles Cooledge <i>Economics</i>	Traverse City	Robert Roy Horan <i>Restaurant Management</i>	Fort Worth, Tex.
Thomas K. Curtis <i>Economics</i>	Adrian	Kenneth Alan Johnson <i>Political Science</i>	Pontiac
William Nelson Dahlquist <i>Accounting</i>	Trenton	Russel Bernard Johnson <i>Hotel Management</i>	Wheaton, Ill.
Frank Joseph Danko <i>General Business Administration</i>	Centerline	Walter Atwood Jones <i>Accounting</i>	Lansing
Roy Edwin Elliott <i>General Business Administration</i>	Flushing	Joel Jones <i>Accounting</i>	Weirton, W. Va.
Harry L. Fortier <i>Transportation</i>	Ludington	Robert Willis Julier <i>Restaurant Management</i>	Kirkwood, Mo.

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

*Gordon Clifford Keiser <i>Economics</i>	Dearborn	Herbert Mallett McCabe <i>Economics</i>	New Rochelle, N. Y.
William Paul Kessler <i>General Business Administration</i>	Traverse City	John Arthur McCormack <i>General Business Administration</i>	Ithaca
†Donald Richard Klein <i>Accounting</i>	Albion	Keith LeRoy McGehee <i>Economics</i>	Flint
*Ernest Jacob Klotz <i>Political Science</i>	Detroit	Jefferson Brown Miller, Jr. <i>Food Distribution</i>	Bonifay, Fla.
Robert Arthur Knight <i>Hotel Management</i>	Garland, Me.	John David Mish, Jr. <i>Production Administration</i>	Manistee
Patrick William Knox <i>Economics</i>	Saginaw	Samuel Johnson Mitchell <i>Real Estate</i>	Lansing
Joseph Edward Korcyl <i>Institutional Management</i>	Bemus Point, N. Y.	Salvatore Peter Monti <i>General Business Administration</i>	Riverside
William Nicholas Kritselis <i>Economics</i>	Sault Ste. Marie	Kenneth Arthur Morris, Jr. <i>Accounting</i>	Niles
*Jim J. Larson <i>Economics</i>	Nashville	Michael Kevin Mulvihill <i>Economics</i>	Grand Rapids
Donald Anthony Lawrence <i>Economics</i>	Alpena	*David Owen Nicholson <i>Economics</i>	Salem, Mass.
James Boyd Laman <i>Marketing</i>	Royal Oak	Max Lachlan Noble <i>Accounting</i>	Holton
*David Francis Lean <i>Economics</i>	Tasmania, Australia	William J. Nydem <i>General Business Administration</i>	Parma, Mo.
*Robert Jay Lewis <i>Accounting</i>	Owosso	Kenneth Gustave Olson <i>Accounting</i>	Niagara, Wis.
Hamilton Ward Lewis, Jr. <i>Marketing</i>	Grosse Pte. Farms	William Edward Osband, Jr. <i>General Business Administration</i>	Grosse Pte. Park
Richard James Leys <i>Production Administration</i>	Battle Creek	Michael Blaine Panitch <i>Economics</i>	Chicago, Ill.
William Hugh Little <i>Restaurant Management</i>	Bloomfield Hills	Myron Walter Paskewich <i>General Business Administration</i>	Troy, N. Y.
Herbert Allan Lunsford <i>Financial Administration</i>	Elkhart, Ind.	Albert Roosevelt Pastori <i>Economics</i>	Iron Mountain
*Norman Richard Magel <i>Political Science</i>	Detroit	Halket Meyer Pattullo <i>Restaurant Management</i>	Wilmette, Ill.
George Stephen Manspeaker <i>Production Administration</i>	Buchanan	Lowell Chester Pederson <i>Accounting</i>	Rapid City
Archie George Matsos <i>Economics</i>	Detroit	*Dale Orrin Perin <i>General Business Administration</i>	Ann Arbor

*With Honor
†With High Honor

also James Sheridan Olsen

COLLEGE OF BUSINESS AND PUBLIC SERVICE

DEGREE OF BACHELOR OF ARTS (Continued)

Leonard Gene Peterson <i>General Business Administration</i>	Bay City	Jesse Manuel Soriano <i>Political Science</i>	Pontiac
Bernard Edward Prendergast <i>Production Administration</i>	Rochester, N. Y.	Joel Douglas Steury <i>Purchasing Administration</i>	Grand Rapids
Cassell Clark Pursell <i>Economics</i>	Jackson	Anton Swanckaert <i>Accounting</i>	Lansing
Susan E. Reason <i>Social Work</i>	Birmingham	Terry T. Tice <i>Production Administration</i>	Massena, N. Y.
Von Reynolds <i>Economics</i>	Keego Harbor	Winston George Tisch <i>Economics</i>	Munith
Fred Wilhelm Richter <i>Accounting</i>	Niles	William Edward Uzelac, Jr. <i>Economics</i>	Detroit
Robert Nicholas Rivest <i>General Business Administration</i>	Royal Oak	William Paul Van Oosterhout <i>General Political Science</i>	Holland
James Allen Rousseau <i>Personnel Administration</i>	Saginaw	Donald David Vest <i>Production Administration</i>	Detroit
Stanley Wayne Ruis <i>Accounting</i>	Ellsworth	*Henry Junior Vogeler <i>Production Administration</i>	Ishpeming
Gerald Edward Ruttman <i>Institutional Management</i>	Denver, Colo.	Gerald Lester Vogeley <i>Production Administration</i>	Detroit
Elliott Alden Ryan <i>Hotel Management</i>	Cooperstown, N. Y.	Richard Carl Wahl <i>Personnel Administration</i>	Glen Ridge, N. J.
Herbert Shuichi Sato <i>Production Administration</i>	Honolulu, Hawaii	John Edmon Ward <i>General Business Administration</i>	Detroit
*David George Sauter <i>Accounting</i>	Ironwood	Lynn Eugene Webb <i>General Business Administration</i>	Ionia
Karl Louis Schwinger <i>General Business Administration</i>	Saginaw	Robert Eric Wenner <i>Accounting</i>	East Lansing
Miner Doyle Seager <i>Accounting</i>	Brown City	David Gordon Wesenberg <i>General Business Administration</i>	Ann Arbor
Kenneth Gustav Seline <i>Accounting</i>	Detroit	Clark Newell Woodworth, Jr. <i>Personnel Administration</i>	Ann Arbor
Leonard Chester Slavik <i>Restaurant Management</i>	Flint	Mekuria Kenfe-Michael Worku <i>Public Administration</i>	Addis Ababa, Ethiopia
David Couleur Sleining <i>Hotel Management</i>	Wilmette, Ill.		

*With Honor

COLLEGE OF BUSINESS AND PUBLIC SERVICE

DEGREES RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

BACHELOR OF ARTS

Joan Charlene Balcer	Grand Rapids	*Elaine Ellen Elder	Deerfield
General Political Science		Business Education	
Robert Bruce Bridgman	Canandaigua, N. Y.	George Capper Graham	Detroit
Economics		Business Education	
*Eleanor Kettner Cozadd	Okemos	Conrad Carl Konczal	Rochester
Business Education		Economics	
James Leroy Eastman	Royal Oak		
Business Education			

DEGREE OF BACHELOR OF SCIENCE

Anthony Albert Bellas	Warren	*Allan Nathaniel Kornblum	Brooklyn, N. Y.
Industrial Security Administration		Law Enforcement Administration	
Robert Henry Bough	Perry	Joseph John Kuntz	New Kensington, Pa.
Industrial Security Administration		Law Enforcement Administration	
Robert Leo Burton	Gladstone	*Wayne Stanley Loch	Chicago, Ill.
Correctional Administration		Law Enforcement Administration	
Raymond Ronald Cilva	Boyne City	John A. Meyer	Clinton, Ia.
Law Enforcement Administration		Law Enforcement Administration	
Daniel James Dowd	Janesville, Wis.	Michael Bert Pekrul	Holt
Law Enforcement Administration		Law Enforcement Administration	
James E. Farmer	Lansing	Allan Richard Pringle	Clinton, Ia.
Urban Planning		Law Enforcement Administration	
Benjamin Arthur Geerds	Holland	Alvin Rosenberg	New York City, N. Y.
Highway Traffic Administration		Law Enforcement Administration	
Kenneth Steve Giannoules	Chicago, Ill.	Michael Joseph Shannon	Traverse City
Law Enforcement Administration		Law Enforcement Administration	
Thomas Mathew Graski	Ironwood	Yvonne Marie Simcox	Ashley
Correctional Administration		The Prevention and Control of Delinquency and Crime	
Gary Russell Griffith	Greensboro, N. Car.	Robert Francis Smith	Keego Harbor
Law Enforcement Administration		Landscape Architecture	
James Michael Hane	Midland	Naomi H. Thrower	New Kensington, Pa.
Landscape Architecture		Crime Prevention	
Edwin Luzon Harmon	Monrovia, Liberia	Kenneth Glen Wiley	Elkton
Law Enforcement Administration		Correctional Administration	
William Dean Jansen, Jr.	Pekin, Ill.	Phillip Walter Zink	Ann Arbor
Law Enforcement Administration		Law Enforcement Administration	
Kent Dolson Jordan	Lansing		
Law Enforcement Administration			

*With Honor

COLLEGE OF BUSINESS AND PUBLIC SERVICE

DEGREE OF MASTER OF ARTS

✓ Affonso C. Albuquerque Arantes	Sao Paulo, Brazil	✓ Mark David Mulder	Grandville
General Business Administration		General Business Administration	
✓ James Edward Bell	Three Lakes, Wis.	✓ Alan Francis Olson	South Haven
Food Distribution		Accounting	
✓ Jack Joseph Bellick	New York, N. Y.	✓ Frediano Quilici	Sao Paulo, Brazil
Food Distribution		General Business Administration	
✓ Alvin J. Bytwork	Grand Rapids	Alvin Gary Schultz	Wyandotte
General Business Administration		Economics	
✓ Byron Edward Chalfant	Reading, Pa.	Kenneth Elton Schultz	Wyandotte
Food Distribution		Economics	
✓ Edward Dale Day	Jackson	✓ Donald Richard Smith	East Lansing
Marketing		Marketing	
✓ Donald James Evans	Flint	✓ Max Edmund Smith	Saginaw
Political Science		Hotel, Restaurant and Institutional Mgt.	
✓ Donald Edward Harrington	Bronx, N. Y.	✓ Henry Otto Timnick	Victoria, Canada
Food Distribution		General Business Administration	
✓ Richard Clair Klammer	Hudsonville	✓ Frederick Glenn Wilder	Chardon, O.
Accounting		Accounting	
John Clark Moffett	Kalamazoo		
General Business Administration			

DEGREE OF MASTER OF URBAN PLANNING

✓ Joseph Martin Prochaska	Detroit
Urban Planning	

COLLEGE OF EDUCATION

The candidates will be presented by DEAN CLIFFORD E. ERICKSON

DEGREE OF BACHELOR OF ARTS

✓ Iva Jean Allen	Gibraltar	*Joan Elizabeth Byrne	Grand Rapids
Elementary Education		Elementary Education	
✓ Sharon Elaine Baxter	Hamburg, N. Y.	*Nada Free Clark	Lansing
Elementary Education		Elementary Education	
✓ Camarie Harder Beaver	Detroit	*Nancy Allen Collins	Ithaca
Elementary Education		Elementary Education	

*With Honor

COLLEGE OF EDUCATION

DEGREE OF BACHELOR OF ARTS (Continued)

~ Marion Jean Conradsen <i>Elementary Education</i>	Detroit	~ Patricia Ann Miller <i>Elementary Education</i>	Farmington
~† Jane Anne Cowherd Craigie <i>Elementary Education</i>	Birmingham	~ Barbara Jean Murray <i>Elementary Education</i>	East Lansing
~ Patricia Ann Creager <i>Elementary Education</i>	Climax	~ Howard Michael Oesterle <i>Elementary Education</i>	Mason
~ Marilyn Geraldine Dempsey <i>Elementary Education</i>	Muskegon	~ Helen Louise Osborn <i>Elementary Education</i>	Lansing
~ Astrid Marie Drulard <i>Elementary Education</i>	Traverse City	~* Helen E. Oswalt <i>Elementary Education</i>	Rochester
~ Judith Houghton Frost <i>Elementary Education</i>	Clio	~ Marlene Joyce Peterson <i>Elementary Education</i>	Schenectady, N. Y.
~ Adeline M. Giacobone <i>Elementary Education</i>	Wayne	~ Jeanine Ann Petschke <i>Elementary Education</i>	Quinnesec
~* Clara A. Goyings <i>Elementary Education</i>	New Boston	~ Ann Elizabeth Redner <i>Elementary Education</i>	Farmington
~ Joan Frances Grant <i>Elementary Education</i>	Detroit	~ Cynthia Ann Robertson <i>Elementary Education</i>	Adrian
~ Judith Meyer Grischke <i>Elementary Education</i>	Fort Wayne, Ind.	~* Sally Joan Speck <i>Elementary Education</i>	Livonia
~* Barbara Marie Halleen <i>Elementary Education</i>	Dearborn	~ Patricia Lee Stahl <i>Elementary Education</i>	Grand Rapids
Rosemary Harag <i>Elementary Education</i>	Charlotte	~ Janet Kay Streng <i>Elementary Education</i>	Detroit
~ Ellyn Charlene Hards <i>Elementary Education</i>	Dearborn	~ Audrey Kay Terry <i>Elementary Education</i>	Almont
~ Esther Irene Jones <i>Elementary Education</i>	Mason	~* Barbara Anne Tiegs <i>Elementary Education</i>	Park Ridge, Ill.
~† Maryanne Koehn <i>Elementary Education</i>	Grand Rapids	~ Marilyn Grace Vent <i>Elementary Education</i>	Wyandotte
~ Joan Kay Koorstra <i>Elementary Education</i>	Grand Rapids	~ Arlene Bewalda Wagner <i>Elementary Education</i>	Grand Haven
~ Constance LaVerne Krainer <i>Elementary Education</i>	Bloomfield Hills	~ Joyce Kramer Walters <i>Elementary Education</i>	Flint
~ Ruth Langer <i>Elementary Education</i>	Dearborn	~ Nancy Ann Wendell <i>Elementary Education</i>	Grand Rapids
~ Barbara Ora Magnus <i>Elementary Education</i>	Bloomfield Hills	~ Anne Wuerfel <i>Elementary Education</i>	Dexter
~† Joan Elizabeth Mark <i>Elementary Education</i>	Saginaw	~ Veronica Jayne Yelich <i>Elementary Education</i>	Ironwood

*With Honor

†With High Honor

DEGREE OF BACHELOR OF SCIENCE

Richard Alan Barker	Lansing	Thomas Stewart McCormick	Southfield
<i>Physical Education</i>		<i>Physical Education</i>	
James G. Blackburn	Hubbard Lake	Jerome McFarland	Birmingham, Ala.
<i>Industrial Arts</i>		<i>Physical Education</i>	
Glenn Eugene Burgett	Sparta	William Henry Mills, Jr.	Detroit
<i>Physical Education</i>		<i>Physical Education</i>	
Robert Dale Chapman	Ocqueoc	Ruth Sachiko Moriyama	Honolulu, Hawaii
<i>Industrial Arts</i>		<i>Physical Education</i>	
Robert Wayne Cooper	Livonia	James Edward Mosley	Minneapolis, Minn.
<i>Physical Education</i>		<i>Physical Education</i>	
Bryant Laker Cronin	Center Line	Wayne Bruce Neely	Gladwin
<i>Industrial Arts</i>		<i>Physical Education</i>	
*Gerald Francis Deeghan	Renovo, Pa.	Ronald Francis Rickens	Cresson, Pa.
<i>Industrial Arts</i>		<i>Physical Education</i>	
†Mary Ella DeMoss	Long Beach, Cal.	Shirley A. Rinke	Warren
<i>Recreation-Community Recreation</i>		<i>Physical Education</i>	
†Judith Kay Hansen	Lansing	M. Thomas Roberts	Lake City
<i>Physical Education</i>		<i>Physical Education</i>	
Howard Worth Harkey	East Lansing	*Allaire Verde Schlicher	Lansing
<i>Physical Education</i>		<i>Physical Education</i>	
Richard Dallas Hicks	Collinsville, Ill.	Dale Erwin Trumble	Laingsburg
<i>Physical Education</i>		<i>Industrial Arts</i>	
*Larry Jennings	Citrus Heights, Cal.	William J. Voet	Grand Rapids
<i>Physical Education</i>		<i>Physical Education</i>	
James Ray Maker	Frankfort		
<i>Industrial Arts</i>			

DEGREE OF MASTER OF ARTS

John Douglas Alexander	Flint	Harold Grange Bell	Johnston City, Ill.
<i>Administrative and Educational Services</i>		<i>Educational Administration and Supervision</i>	
Dene Rex Allen	Grand Rapids	Gordon Faye Binns	Sunfield
<i>Guidance and Counselor Training</i>		<i>Administrative and Educational Services</i>	
Mary Priscilla Anderson	Birmingham	Raymond L. Brabo	Omer
<i>Elementary Classroom Teaching</i>		<i>Administrative and Educational Services</i>	
Byron Foster Anger	Big Rapids	Joyce Margaret Gallagher Cody	Essexville
<i>Elementary Administration and Supervision</i>		<i>Foundations of Education</i>	
Richard James Astalos	Monroe	Leona Mary Cooper	Grand Rapids
<i>Educational Administration and Supervision</i>		<i>Teacher Education</i>	
Arthur Warren Baker	Detroit	Phebe Ann Deitzen	Davison
<i>Administrative and Educational Services</i>		<i>Teacher Education</i>	

*With Honor

†With High Honor

COLLEGE OF EDUCATION

DEGREE OF MASTER OF ARTS (Continued)

- Julius Donath Fliehler <i>Administrative and Educational Services</i>	Williamston	Florence Wittwer Oakes <i>Administrative and Educational Services</i>	Traverse City
- Theophilus Edward Fox <i>Teacher Education</i>	Hillsdale	Mary Crampton Oatley <i>Teacher Education</i>	Rockford
- Marilyn Dee Green <i>Administrative and Educational Services</i>	Coldwater	- Percy Paul <i>Administrative and Educational Services</i>	Findlater, Canada
- Miriam Bierd Grim <i>Foundations of Education</i>	East Lansing	- Wilma Florence Paulus <i>Guidance and Counselor Training</i>	Beaverton
- Lee M. Halstead <i>Guidance and Counselor Training</i>	Breckenridge	Bettie Sue Phillips <i>Guidance and Counselor Training</i>	Birmingham, Ala.
- Frederick E. Hill <i>Administrative and Educational Services</i>	Grand Rapids	- Edward Prins <i>Administrative and Educational Services</i>	Holland
- Ruth Frances Jachalke <i>Teacher Education</i>	Dimondale	Frances Coe Reed <i>Administrative and Educational Services</i>	Williamston
- Edwin E. Jahns <i>Teacher Education</i>	Saginaw	- Glen A. Rohlf's <i>Teacher Education</i>	Akron
Andrew Thomas Kelley <i>Physical Education</i>	Detroit	- Stanton William Scarborough <i>Administrative and Educational Services</i>	Lansing
- James Prescott Kennedy <i>Administrative and Educational Services</i>	Jackson	Joseph Silva <i>Educational Administration and Supervision</i>	La Grange, Ill.
- Don D. Kuick <i>Physical Education</i>	Midland	- Thelma N. Sprague <i>Teacher Education</i>	Manton
Marthene Clarice Kuieck <i>Teacher Education</i>	Grand Rapids	- Catherine Marie Stall <i>Home Economics Education</i>	Elberta
Blaine Cornelius Lentz <i>Teacher Education</i>	Elsie	- Maurice Dwight Swift <i>Vocational and Practical Arts Education</i>	Stanton
- Bertha E. Lusby <i>Teacher Education</i>	Newaygo	- Florangel Sevidal Tandoc <i>Home Economics Education</i>	San Fabian, Philippines
Mardelle Norma Meyer <i>Home Economics Education</i>	Palmer, Kan.	- Marjorie Elizabeth Taylor <i>Teacher Education</i>	Holt
- Richard Dwight Mosier <i>Administrative and Educational Services</i>	Bay City	- Ruth Ellen Tuthill <i>Home Economics Education</i>	Concord
- Lyle Harold Myers <i>Agricultural Education</i>	Fremont	- Jacob Geert Venema <i>Vocational and Practical Arts Education</i>	Blissfield

COLLEGE OF COMMUNICATION ARTS

The candidates will be presented by DEAN GORDON A. SABINE

DEGREE OF BACHELOR OF ARTS

✓ Bart Weston Ansley <i>Journalism</i>	Lansing	✓ David Franklin Kralik <i>Television-Radio-Film</i>	Cedar Rapids, Ia.
✓ *Charles Louis Bartow <i>Television-Radio-Film</i>	Middelsex, N. J.	✓ Lawrence William Lindberg <i>Television-Radio-Film</i>	Froid, Mont.
✓ Donald Leon Baumgardner <i>Speech</i>	Pontiac	✓ Thomas Manuel Lopez <i>Speech</i>	South Lyon
✓ Arni Thomas Dunathan <i>Speech</i>	Escanaba	✓ Ted J. Madzia <i>Speech</i>	Okemos
✓ Jack Dale Eadie <i>Journalism</i>	Grand Rapids	Lillian May Nalbandian <i>Journalism</i>	Grand Rapids
✓ Frederick William Henzi <i>Television-Radio-Film</i>	Detroit	✓ Bernard Dean Schroeder <i>Television-Radio Film</i>	Arcadia
✓ Howard Anthony James, Jr. <i>Speech</i>	Elkhart, Ind.		

DEGREES RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION BACHELOR OF ARTS

✓ *Sharon Lee Heck <i>Speech</i>	Sandusky	✓ Constance Elaine Mapes <i>Speech</i>	Pontiac
✓ Beverly Ann Knowles <i>Speech</i>	Howell		

DEGREE OF MASTER OF ARTS

✓ Corajane Diane Bunce <i>Speech</i>	Jackson	✓ Harry Edwin Oliver, Jr. <i>Speech</i>	Traverse City
✓ Mary Alice Gilchrist <i>Speech</i>	Vicksburg	✓ Joseph C. Rhea <i>Speech</i>	Lansing
✓ Ellen Margaret Harrington <i>Speech</i>	Detroit	Isaiah Sheffer <i>Speech</i>	New York City, N. Y.
✓ George Anthony Hough III <i>General Communication Arts</i>	Falmouth, Mass.		

*With Honor

SCHOOL FOR ADVANCED GRADUATE STUDIES

The candidates will be presented by DEAN THOMAS H. OSGOOD

DEGREE OF DOCTOR OF PHILOSOPHY

- ~ Harry James Amling, *Union City, N. J.*

B.S., Rutgers University; M.S., University of Delaware.
Horticulture. *Major Professor:* A. L. Kenworthy, Professor.
Thesis: Influence of Nutrient-Element Supply on Leaf Composition and Growth of Highbush Blueberry (*Vaccinium Corymbosum* L.) with Special Reference to Importance of Sampling Date on Leaf and Fruit Composition of Field Grown Blueberries.
- ~ Yousef Alavi, *Teheran, Iran*

B.S., M.S., Michigan State University.
Mathematics. *Major Professor:* C. P. Wells, Professor.
Thesis: Expansions of Parabolic Wave and Potential Functions.
- ~ Prithwish Candra Bose, *Nawabganj, India*

I.S., B.S., M.S., Government State College
Horticulture. *Major Professor:* C. L. Hamner, Professor.
Thesis: Growth, Development and Mineral Uptake in Tomato Plants, as Affected by Maleic Hydrazide and Gibberellin.
- ~ Jessie Muriel Boyd, *Montgomery, Ala.*

B.A., Huntington College; M.S., Emory University.
Chemistry. *Major Professor:* J. L. Fairley, Associate Professor.
Thesis: Aliphatic Precursors of Pyrimidines in *Neurospora Crassa*.
- ~ Morris Leroy Brehmer, *Strasburg, Ill.*

B.S., Eastern Illinois State College; M.S., Michigan State University
Fisheries & Wildlife. *Major Professor:* R. C. Ball, Professor
Thesis: A Study of Nutrient Accrual, Uptake, and Regeneration as related to Primary Production in a Warm-Water Stream.
- ~ Sister M. Thomas Catherine Brennan, *Adrian*

Ph.B., Siena Heights College; M.A., Catholic University of America.
English. *Major Professor:* C. M. Newlin, Professor.
Thesis: Thomas Wentworth Hugginson: Reformer and Man of Letters.
- ~ Clarence A. Broomfield, *Mt. Morris,*

B.S., University of Michigan; M.S., Michigan State University
Chemistry. *Major Professor:* H. A. Lillevik, Associate Professor
Thesis: Studies on the Mechanism of the Clotting of Casein by the Action of Rennin

also: Anandras Pandurang Deshmukh
Richard Dwight Ewing

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

- Gerhard Bunemann, *Hamburg, Germany*

B.S., College of Technology, Hanover, Germany; M.S., Michigan State University.
Horticulture. *Major Professor:* D. H. Dewey, Associate Professor.
Thesis: The Relation of the Nutrient Element Content of the Leaves and Fruits to the Storage Quality of Jonathan Apples in Regular and Controlled Atmosphere.
- Robert David Burns, *Royal Oak*

B.S., M.S., Michigan State University.
Zoology. *Major Professor:* J. C. Braddock, Professor.
Thesis: Foraging in Kangaroo Rats and Its Adaptive Significance.
- Robert James Collins, *Hazel Park*

B.S., Alma College; M.S., Michigan State University.
Physiology and Pharmacology. *Major Professor:* W. D. Collings, Professor.
Thesis: Studies on Chromium Excretion in the Dog.
- George Bernard Coltharp, *DeRidder, La.*

B.S.F., Louisiana State University; M.S., Colorado A & M. Forestry. *Major Professor* D. P. White, Associate Professor.
Thesis: Some Effects of a Commercial-Type Clearcut on Soil and Water Relations on a Small Wooded Watershed.
- Michael Hugh Dickson, *Dorval, Canada*

B.S., McGill University, Quebec; M.S., Michigan State University
Horticulture. *Major Professor:* C. E. Peterson, Professor
Thesis: The Physiology and Inheritance of Flowering in Carrots.
- Don C. Dinkmeyer, *Elmwood Park, Ill.*

B.S., Omaha University; M.A., Northwestern University.
Administrative and Educational Services. *Major Professor:* B. L. Stefflre, Associate Professor.
Thesis: A Study of Parent and Child Responses to Adlerian Child Guidance Counseling.
- Richard Lee Ditsworth, *Algona, Ia.*

B.S., M.S., Iowa State College.
Mechanical Engineering. *Major Professor:* R. M. Rotty, Associate Professor.
Thesis: Analytical Evaluation of the Effects of Heat Transfer and Skin Friction on the Efficiency of the Expansion of a Gas Having a Prandtl Number of One Through a Converging-Diverging Nozzle of Large Radius with Constant Temperature Walls.
- Jack Gresham Elliott, *Dearborn*

B.S., M.A., Michigan State University.
Mathematics. *Major Professor:* L. M. Kelly, Professor.
Thesis: Characterizations of the Symmetric Difference and the Structure of Stone Algebras.

SCHOOL FOR ADVANCED GRADUATE STUDIES

DEGREE OF DOCTOR OF PHILOSOPHY (Continued)

- George Francis Fries, *Winlock, Washington* B.S., Washington State College; M.S., University of Kentucky Dairy. *Major Professor:* C. A. Lassiter, Associate Professor
Thesis: Effect of Enzyme Supplementation of Milk Replacers on the Growth of Calves.
- Henry John Hoenes, Jr., *Ottawa, Ill.* B.A., DePauw University; M.S., Michigan State University. Chemistry. *Major Professor:* K. G. Stone, Associate Professor.
Thesis: Analytical Chemistry of the 2- Benzoinoxime Complexes of Molybdenum, Tungsten, Chromium, and Vanadium.
- Jerome Hull, Jr., *Canfield, Ohio* B.S., Michigan State University; M.S., Virginia Polytechnic Institute
Horticulture. *Major Professor:* C. L. Hamner, Professor
Thesis: The Effect of Gibberellin on the Gross Morphology, Flowering, and Fruiting of Certain Horticultural Crops.
- Bart Mulford James, Jr., *Chesterland, Ohio* A.B., LaFayette College; M.A., Kent State University
Administrative and Educational Services. *Major Professor:* W. F. Johnson, Professor
Thesis: An Investigation of the Dull-Normal Child's Adjustment to School.
- Alan George Kempton, *Toronto, Canda* B.S.A., M.S.A., Ontario Agricultural College.
Microbiology and Public Health. *Major Professor:* C. L. SanClemente, Associate Professor.
Thesis: Bacterial, Biochemical and Environmetal Interrelations in Fresh and Ensiled Forages.
- William Herbert Knight, *Gaylord* B.S., M.S., Michigan State University.
Teacher Education. *Major Professor:* H. M. Byram, Professor.
Thesis: Factors Associated with the Vocational Choices of High School Students of Vocational Agriculture.
- William Morris Lesser, *New York, N. Y.* B.A., M.A., City College of New York.
Psychology. *Major Professor:* D. L. Grummon, Professor.
Thesis: The Relationship between Counseling Progress and Emphatic Understanding.
- Porter Bronson Lombard, *Yakima, Wash.* B.A., Pamona College; M.S., State College of Washington.
Horticulture. *Major Professor:* A. E. Mitchell, Professor.
Thesis: Endosperm, and Pericarp of the Peach (*Prunus Persica*, Sieb. Zocc.) as Related to Fruit Thinning with Plant Regulators.
- John Frederick Mehner, *Pittsburgh, Pa.* B.S., Grove City College; M.S., University of Pittsburgh.
Zoology. *Major Professor:* G. J. Wallace, Professor.
Thesis: Studies on the Life History of the Robin (*Turdus Migratorius Linnaeus*).

also James Orlopp Martin

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

- William Keith Meyer, *Alta, Ia.* B.S., Morningside College; M.S., University of Kentucky. Chemistry. *Major Professor:* M. T. Rogers, Professor.
Thesis: Some Studies of Molecular Complexes of Interhalogen Compounds.
- John Hubert Muller, *West Nyack, N. Y.* B.A., Princeton University; M.S., Michigan State University. Physics and Astronomy. *Major Professor:* R. D. Spence, Professor.
Thesis: Nuclear Magnetic Resonance Studies of Crystal Structure.
- Charles Campbell Sheppard, *Wooster, O.* B.S., Ohio State University; M.S., Michigan State University. Poultry Science. *Major Professor:* H. C. Zindel, Professor.
Thesis: An Evaluation of Merchandising Cut-Up Turkey in the Detroit Area.
- Abbas Mohamed Soliman, *Cairo, Egypt* B.V.Sc., M.V.Sc., University of Cairo Microbiology and Public Health. *Major Professor:* W. N. Mack, Professor
Thesis: The Host Range of an Enteric Cytopathogenic Orphan "ECBO" Virus Isolated from Healthy Dairy Cattle.
- Edward Phelps Speare, *Westfield, Mass.* B.A., Northland College; M.A., University of Michigan. Zoology. *Major Professor:* P. I. Tack, Professor.
Thesis: The Ecology, Age and Growth Rate of the Central Johnny Darter *Etheostoma nigrum nigrum* "Rafinesque" Augusta Creek, Michigan.
- Milton Homar Steinmueller, *Vancouver, Wash.* B.S., M.S., State College of Washington. Agricultural Economics. *Major Professor* L. W. Witt, Professor.
Thesis: An Exploration in the Use of the Retardation Hypothesis as an Explanation of a Low-Income Area in Northern Michigan.
- Philip Glenn Stiles, *Waterloo, Ill.* B.S., University of Arkansas; M.S., Colorado A & M. Poultry Science. *Major Professor:* L. E. Dawson, Associate Professor.
Thesis: Studies on the Cause and Incidence of Blood Spots in Chicken Eggs.
- John Dennis Sullivan, *Milwaukee, Wis.* B.S., M.S., University of Idaho. Forest Products. *Major Professor:* A. J. Panshin, Professor.
Thesis: Effect of Fatigue Stress on Shear in Wood.
- Barnet M. Sultzer, *Teaneck, N. J.* B.S., Rutgers University; M.S., Michigan State University. Microbiology and Public Health. *Major Professor:* W. L. Mallmann, Professor.
Thesis: A Comparison of the Activity of Psychrophilic and Mesophilic Bacteria on Saturated Fatty Acids.

SCHOOL FOR ADVANCED GRADUATE STUDIES

DEGREE OF DOCTOR OF PHILOSOPHY (Continued)

- Don Arthur Trumbo, *Grand Ledge* B.S., Western Michigan University; M.A., Michigan State University
 Psychology. *Major Professor:* J. S. Karslake, Associate Professor
Thesis: An Analysis of Attitudes Toward Change Among the Employees of an Insurance Company.
- Pierson Jay Van Alten, *Grand Rapids* B.A., Calvin College; M.S., Michigan State University.
 Zoology. *Major Professor:* R. A. Fennell, Professor.
Thesis: The Effect of Chorioallantoic Grafts on the Developing Chick Embryo with Special Reference to the Development of Antigens in the Duodenum.
- Robert Nicholas Vidulich, *Frankfort, N. Y.* B.A., Hartwick College, M.A., Michigan State University
 Psychology. *Major Professor:* M. Rokeach, Professor
Thesis: An Empirical Analysis of the Belief References of Persons with Open and Closed Cognitive Systems.
- Jaw Kai Wang, *China* B.S., National Taiwan University, M.S., Michigan State University
 Agricultural Engineering. *Major Professor:* C. W. Hall, Professor
Thesis: Theory of Drying
- Leonard Eugene Wood, *Elwood, Ind.* B.S., M.S., University of Kentucky
 Geology. *Major Professor:* B. T. Sandefur, Professor
Thesis: Bottom Sediments of Saginaw Bay, Mich.

DEGREE OF DOCTOR OF EDUCATION

- Edward George Benoit, *Chicopee, Mass.* B.S., Massachusetts State College; Ed.M., Boston University.
 Administrative and Educational Services. *Major Professor:* C. M. Campbell, Professor.
Thesis: A Study of Japanese Education as Influenced by the Occupation.
- James E. Bowman, *Mt. Pleasant* M.A., University of Michigan.
 Foundations of Education. *Major Professor:* J. A. Fuzak, Professor.
Thesis: A Study of the Basic Mathematical Skills Needed by the Industrial Arts Teacher in the Public School.
- Glen Christensen, *Preston, Idaho* B.S., M.S., Utah State Agricultural College.
 Administrative and Educational Services. *Major Professor:* B. L. Steffire, Associate Professor.
Thesis: An Analysis of Selected Issues in Family Life Education, 1958.
- Morton D. Dunham, *Armada* B.S., M.S., Michigan State University.
 Administrative and Educational Services. *Major Professor:* W. W. Farquhar, Assistant Professor.
Thesis: An Experimental Study of the Effect of Two Discussion Techniques on Educational Outcomes in a Beginning Educational Psychology Class Taught by Closed-Circuit Television.

DEGREE OF DOCTOR OF EDUCATION (Continued)

- ~ E. Harold Harper, *Long Beach, Cal.* B.A., Northwest Nazarene College; M.A., Western Michigan University.
Teacher Education. *Major Professor:* W. V. Hicks, Professor.
Thesis: Why Certified Teachers Fail to Enter the Teaching Profession.
- ~ Fred George Lechner, *Brighton, Colo.* B.S., M.E., Colorado A. & M.
Teacher Education. *Major Professor:* H. M. Byram, Professor
Thesis: An Analysis of the Farm Mechanical Skills of Colorado Young Farmers with Implications for Course Building.

GRADUATES AS OF AUGUST 22, 1958

DEGREE OF DOCTOR OF PHILOSOPHY

- ~ Henry Barber, *Mechanicsville, N. Y.* B.S., University of Kentucky.
Physical Chemistry. *Major Professor:* J. C. Sternberg, Assistant Professor.
Thesis: Spectrophotometric Studies of Bromine Complexes.
- ~ Roberta E. Bleiler, *Scranton, Pa.* B.S., Pennsylvania State University; M.S., University of Wisconsin.
Foods and Nutrition. *Major Professor:* D. C. Cederquist, Professor.
Thesis: Influence of Dietary Protein on Liver Constituents of Tuberculous and Non-Tuberculous Guinea Pigs.
- ~ Henry H. Bloom, *Brooklyn, N. Y.* B.S., M.S., Michigan State University.
Microbiology and Public Health. *Major Professor:* W. N. Mack, Professor.
Thesis: Identification of Enteric Viruses and Salmonellae from Sewage.
- ~ James L. Butler, *Experiment, Ga.* B.S., M.S., University of Tennessee.
Agricultural Engineering. *Major Professor:* H. F. McColly, Professor.
Thesis: Factors Affecting the Pelleting of Hay.
- ~ Robert C. Cooper, *Alameda, Cal.* B.S., University of California; M.S., Michigan State University.
Microbiology and Public Health. *Major Professor:* W. L. Mallmann, Professor.
Thesis: A Study of the Terminal Respiration of *Thiobacillus thioparus*.
- ~ Charles Cottingham, *Greensboro, N. Car.* B.S., Greensboro Agr. & Tech. College; M.S., Michigan State University.
Botany and Plant Pathology. *Major Professor:* R. L. Kiesling, Associate Professor.
Thesis: The Inheritance of Resistance in *Ustilago bordei* (Pers.) Lagerh in Several Hybrids of Barley.

DEGREE OF DOCTOR OF PHILOSOPHY (Continued)

- William Clark Edwards, *Branson, Mo.* B.S., University of Missouri; M.S., Purdue University.
Agricultural Economics. *Major Professor:* G. L. Johnson, Professor.
Thesis: Resource Fixity, Credit Availability and Agricultural Organization.
- Richard Charles Fox, *Athens* B.S., M.S., Michigan State University.
Entomology. *Major Professor:* R. Hutson, Professor.
Thesis: Bionomics of the Smaller European Bark Beetle, *Scolytus Multistriatus*, (Marsham) in Michigan.
- Charles M. Greenshields, *East Lansing* B.A., M.A., Michigan State University.
Foundations of Education. *Major Professor:* C. V. Millard, Professor.
Thesis: A Study of the Beginning and End Points of the Adolescent Cycle of Height, Skeletal Age, and Mental Age of Eighty-Four Girls Selected from the Harvard Study.
- Ben M. Huey, *Fort Collins, Colo.* B.A., University of Kansas; B.S., Colorado State University; M.S., Montana State University.
Forestry. *Major Professor:* L. M. James, Professor.
Thesis: Selected Economic Alternatives for Logging Lodgepole Pine.
- Russell F. Krueger, *Waukegan, Ill.* B.S., Marquette University; M.A., Bowling Green State University.
Microbiology and Public Health. *Major Professor:* W. D. Lindquist, Professor.
Thesis: Biological and Biochemical Investigation of the Nematode *Syngamus Trachea* (Montagu, 1811) Chapin, 1925.
- Mary M. Leichty, *East Lansing* B.A., M.A., Michigan State University.
Psychology. *Major Professor:* A. I. Rabin, Professor.
Thesis: The Absence of the Father During Early Childhood and Its Effect Upon the Oedipal Situation as Reflected in Young Adults.
- James M. McManus, *Sea Cliff, N. Y.* B.S., College of the Holy Cross; M.S., Niagara University.
Organic Chemistry. *Major Professor:* R. M. Herbst, Professor.
Thesis: Synthesis of Tetrazoles as Potential Antimetabolites.
- Stanton P. Parry, *Granville, N. Y.* B.S., Cornell University; M.S., Michigan State University.
Agricultural Economics. *Major Professor:* G. G. Quackenbush, Professor.
Thesis: Some Problems in Extending Federal Milk Order Regulation in Michigan.
- Robert L. Saffle, *Columbus, O.* B.S., Ohio State University; M.S., University of Tennessee.
Animal Husbandry. *Major Professor:* L. J. Bratzler, Professor.
Thesis: The Effect of Fatness on Some Processing and Palatability Characteristics of Pork Carcasses.

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

- Harold Eugene Schlichting, *Mt. Pleasant* B.S., University of Michigan; M.S., Michigan State University.
Botany and Plant Pathology. *Major Professor:* G. W. Prescott, Professor.
Thesis: The Role of Waterfowl in the Dispersal of Algae.
- Fremont A. Shull, Jr., *Findlay, O.* B.S., M.B.A., Ohio State University.
Economics. *Major Professor:* V. E. Smith, Professor.
Thesis: The Advertising Appropriation in the Rubber Tire Industry: A Study in Decision-Making.
- George Miller Stabler, *Wallingford, Pa.* B.A., Earlham College; M.S., University of Wisconsin.
Sociology and Anthropology. *Major Professor:* I. Ishino, Associate Professor.
Thesis: Bejucal: Social Values and Changes in Agricultural Practices in a Cuban Rurban Community.
- Walter R. Stevens, Jr., *New Egypt, N. J.* B.A., Park College; M.A., Michigan State University.
Psychology. *Major Professor:* A. I. Rabin, Professor.
Thesis: Three Attitude Scales in Relation to the Academic Achievement of Male College Freshmen of Moderate Academic Potential.
- Fred Turner, Jr., *Flagstaff, Ariz.* B.S., University of Arizona; M.S., Washington State College.
Soil Science. *Major Professor:* W. W. McCall, Assistant Professor.
Thesis: The Effect of Lime and Molybdenum on Soil Reaction and Base Saturation Percentage and on the Yields and Molybdenum Uptake of Several Michigan Crops.
- Samuel Jesse Underwood, *Danville, Va.* B.A., M.Ed., University of North Carolina.
Foundations of Education. *Major Professor:* C. H. Gross, Professor.
Thesis: Selected Criticisms of Education in the *Atlantic Monthly* 1900-1950.
- Glen Edwin VandenBurg, *Clear Lake, S. Dak.* B.S., South Dakota State College; M.S., Michigan State University.
Agricultural Engineering. *Major Professor:* W. F. Buchele, Associate Professor.
Thesis: Application of Continuum Mechanics to Compaction in Tillable Soils.
- Willem Adolph Van Eck, *Zwolle, Netherlands* B.S., Wageningen College (Holland); M.S., Michigan State University.
Soil Science. *Major Professor:* E. P. Whiteside, Professor.
Thesis: Site and Root Studies of Red Pine (*Pinus Resinosa* Ait.) Plantations in Lower Michigan.

DEGREE OF DOCTOR OF EDUCATION

John Lewis Forbes, *Park Forest, Ill.*

B.S., M.A., University of Illinois.

Administrative and Educational Services. *Major Professor:*
K. T. Hereford, Associate Professor.

Thesis: A Theory of Administrative Leadership for Contemporary Education.

Dorothy Alyne Rice, *Moorhead, Miss.*

B.S., Delta State; Ed.M., University of Missouri.

Administrative and Educational Services. *Major Professor:*
R. N. Hatch, Assistant Dean.

Thesis: A Comparative Study of Freshmen Entering the Public Junior College and the State-Supported Co-Educational Senior Colleges of Mississippi.

