

MONDAY, MARCH TWENTIETH

NINETEEN HUNDRED AND SIXTY-ONE

The
Winter
Commencement
of
Michigan
State
University

UNIVERSITY AUDITORIUM



EAST LANSING

The Winter 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, rounded 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

FANFARE AND PROCESSIONAL *Clarence Hurrell*
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 L. MORELAND, D.D.
Minister, Eastminster Presbyterian Church, East Lansing, Michigan

ADDRESS

"WE KNOW IN PART"
LOUIS WILLIAM NORRIS, PH.D., LL.D., LITT.D.
President, Albion College

CONFERRING OF DEGREES

JOHN ALFRED 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 MR. MORELAND

RECESSIONAL

MILITARY MARCH *Ludwig van Beethoven*

*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 the 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 C. ALLEN HARLAN	Detroit
THE HONORABLE WARREN M. HUFF	Plymouth
THE HONORABLE FRANK MERRIMAN	Deckerville
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
JACK BRESLIN, <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 107th 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, 325 permanent and 136 temporary buildings, and 4,250 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 approximately 150 different courses of study at the undergraduate and graduate level. This excludes the curriculum of the University 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 1959-60 year, the Continuing Education Service reached more than 100,000 persons in programs conducted both on campus and in local communities.

Today, more than 21,000 students from Michigan and other states and from nations all over the world are attending the University at East Lansing—about 11,000 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—HONORS COLLEGE

†Robert Paul Schultz *Forestry*

DEGREE OF BACHELOR OF SCIENCE

Walter Joseph Adams	<i>Forestry</i>	James Steven Fralish	<i>Forestry</i>
*Charles Carney Bailey	<i>Residential Building</i>	Arnold Robert Girbach	<i>Agricultural Economics</i>
Thomas Robert Bergeon	<i>Residential Building</i>	Richard P. Gissible	<i>Forestry</i>
Orville Robert Bliss	<i>Residential Building</i>	Ralph Franklin Green	<i>Resource Development</i>
William George Bontekoe	<i>Packaging</i>	Robert Preston Harper	<i>Agricultural Extension</i>
Douglas Fredrick Boynton	<i>Animal Husbandry</i>	Peter Clemens Hubbell	<i>Ornamental Horticulture</i>
*Paul Dwaine Brohn	<i>Forestry</i>	Theodore John Hurja	<i>Forestry</i>
Edward Michael Buszta	<i>Park Management</i>	Kenneth Francis Kasmarek	<i>Fisheries and Wildlife</i>
Arthur Joseph Carroll	<i>Forestry</i>	Wayne Aaron Kietzer	<i>Farm Crops</i>
Lawrence John Cobb	<i>Dairy Production</i>	*Boyd I. Kinzley	<i>Soil Science</i>
Bernard Kenneth Cook	<i>Animal Husbandry</i>	Thomas James Koehler	<i>Packaging</i>
James Dale Craig	<i>Fisheries and Wildlife</i>	Donn Arthur Lueck	<i>Dairy Manufacturing</i>
Arlin Lee Dell	<i>Residential Building</i>	Cecil Ronald McKay	<i>Lumber and Building Materials Merchandising</i>
Stanley John Dowd	<i>Pomology and Vegetable Production</i>	Lon Warren McKinley	<i>Pomology and Vegetable Production</i>
Steven Mansfield Fisher	<i>Lumber and Building Materials Merchandising</i>	Charles Oho Mortensen	<i>Forestry</i>
Robert Bernard Forster	<i>Forestry</i>	Earl Lee North	<i>Agricultural Mechanics</i>
Gerald Clare Foss	<i>Packaging</i>	Donald Edward Petschke	<i>Packaging</i>
		Leo John Pfaller	<i>Residential Building</i>

*With Honor

†With High Honor

COLLEGE OF AGRICULTURE

DEGREE OF BACHELOR OF SCIENCE (Continued)

James Arthur Price	<i>Wood Processing and Technology</i>	Emerson Joseph Stilwell	<i>Packaging</i>
James LeRoy Richardson	<i>Animal Husbandry</i>	Charles Vodden Stone	<i>Agricultural Economics</i>
Lawrence Alton Savarese, Jr.	<i>Residential Building</i>	*Theodore Michael Thomas	<i>Pomology and Vegetable Production</i>
Robert Charles Sheldon	<i>Dairy Manufacturing</i>	William John Walsh	<i>Fisheries and Wildlife</i>
Dale Alton Sherwin	<i>Animal Husbandry</i>	Jean Thomas Ward	<i>Park Management</i>
Michael John Shine	<i>Agricultural Economics</i>	Dean E. Wesley	<i>Soil Science</i>
Oliver Thomas Smith	<i>Packaging</i>	Don Paul Wolf	<i>Food Science</i>
Robert William Smith	<i>Forestry</i>	Richard Joseph Wolthuis	<i>Agricultural Mechanics</i>
Wendell Curtis Snowden	<i>Forestry</i>	Richard Thomas Wooden, Jr.	<i>Packaging</i>
Joseph Michael Stanichar	<i>Poultry Science</i>		

DEGREES RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

BACHELOR OF SCIENCE

Richard Gerald Bowerman	<i>Agricultural Education</i>	Donald Edward Lee Davis	<i>Agricultural Education</i>
Ross Dean Byers	<i>Agricultural Education</i>		

DEGREE OF MASTER OF SCIENCE

Adnan Mohammad Badran	<i>Horticulture</i>	William Burton Hellegas	<i>Agricultural Economics</i>
Fred Wilk Bakker-Arkema	<i>Agricultural Engineering</i>	Carol Duane Jones	<i>Horticulture</i>
Hernan Bertolotto	<i>Agricultural Economics</i>	Richard Miller Kirch	<i>Resource Development</i>
Alan James Billings	<i>Resource Development</i>	Karin Louise Lindquist	<i>Food Science</i>
Mary Ethel Bullis	<i>Agricultural Extension</i>	James William Merna	<i>Fisheries and Wildlife</i>
Erwin Milton Campbell	<i>Forest Products</i>	Paul Raymond Mezynski	<i>Farm Crops</i>
Rodrigo A. Duarte	<i>Farm Crops</i>	Norman Torkel Odden	<i>Agricultural Engineering</i>
David William Gessford	<i>Farm Crops</i>	David Lawrence Olsson	<i>Forest Products</i>
Robert Gardner Heath	<i>Fisheries and Wildlife</i>	John Robert Paul	<i>Fisheries and Wildlife</i>

*With Honor

DEGREE OF MASTER OF SCIENCE (Continued)

Harold Eugene Quackenbush	<i>Agricultural Engineering</i>
Larry Johnson Segerlind	<i>Agricultural Engineering</i>
Warren Walter Studley	<i>Soil Science</i>
Virendra Tuli	<i>Horticulture</i>

Otomars Veiss	<i>Food Science</i>
John H. Worthington	<i>Resource Development</i>
Mary Dalziel Zehner	<i>Agricultural Economics</i>

COLLEGE
OF
ENGINEERING

The candidates will be presented by **DEAN JOHN D. RYDER**

DEGREE OF BACHELOR OF SCIENCE

Roger H. Dye	<i>Mechanical Engineering</i>
Thelbert Ward Johnson	<i>Mechanical Engineering</i>
*Donald Anthony McGrath	<i>Mechanical Engineering</i>

*John Clement Niehoff	<i>Mechanical Engineering</i>
William Raoul Palmer	<i>Mechanical Engineering</i>

DEGREE OF MASTER OF SCIENCE

Chales Jay Arnold	<i>Appllied Mechanics</i>
Tai-Seng Chen	<i>Electrical Engineering</i>
James Lawrence Fisher	<i>Civil Engineering</i>
Keith Fry	<i>Sanitary Engineering</i>
William Coleman Kerr	<i>Civil Engineering</i>
Vejubhai Gulababhai Patel	<i>Civil Engineering</i>
William Wai Tung Seto	<i>Applied Mechanics</i>
Paul Phillip Sulprizio	<i>Civil Engineering</i>

William Joseph Suttner	<i>Electrical Engineering</i>
William Tambo	<i>Chemical Engineering</i>
George Eugene Teachman	<i>Electrical Engineering</i>
Lawrence John Walsh	<i>Electrical Engineering</i>
Robert Louis Wirth	<i>Applied Mechanics</i>
Han Chang Yang	<i>Electrical Engineering</i>
Gerald Allen Zernial	<i>Civil Engineering</i>

*With Honor

COLLEGE OF HOME ECONOMICS

The candidates will be presented by DEAN THELMA E. PORTER

DEGREE OF BACHELOR OF SCIENCE—HONORS COLLEGE

†Lora Elizabeth Long
Research in Foods and Nutrition

DEGREE OF BACHELOR OF SCIENCE

Eppie L. Bruckner	<i>Retailing</i>	Nancy Ann Jubb	<i>Retail Merchandising</i>
Linda Sue Costello	<i>Retailing</i>	Jacqueline Pickrell	<i>Home Furnishings</i>
Lovina Danforth	<i>Home Furnishings</i>	Sharon Louise Zukosky	<i>General Home Economics</i>

DEGREES RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

BACHELOR OF SCIENCE

Nancy S. Campbell Bortel <i>Home Economics Teaching</i>	Carol Joanne Maata <i>Home Economics Teaching</i>
Marvyl Ann Intermill <i>Home Economics Teaching</i>	Jean Suzanne Mumby <i>Home Economics Teaching</i>
*Patricia Ann Jones <i>Child Development and Teaching</i>	

DEGREE OF MASTER OF ARTS

Gay Wright Vela	<i>Related Arts</i>
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DEGREE OF MASTER OF SCIENCE

Robert Vernon Cole, Jr. <i>Institutional Administration</i>	Mary Ellen Zabik <i>Foods</i>
Gema Joyce Ramnauth <i>Institutional Administration</i>	

*With Honor

†With High Honor

COLLEGE OF VETERINARY MEDICINE

The candidates will be presented by DEAN WILLIS W. ARMISTEAD

DEGREE OF BACHELOR OF SCIENCE

Charles Bruce Smith *Veterinary Medicine*

DEGREE OF MASTER OF SCIENCE

John Huber Ballantyne *Anatomy* Rollo Winslow VanPelt, Jr. *Surgery and Medicine*

Donald Lynn Croghan *Microbiology and Public Health*

Dale Dana Oshel *Microbiology and Public Health*

COLLEGE OF SCIENCE AND ARTS

The candidates will be presented by DEAN LLOYD C. FERGUSON

DEGREE OF BACHELOR OF ARTS—HONORS COLLEGE

†Jean Vaughan Macleod *History* †Dolly McCarty Soddy *History*

†Dean Carter Myers *History* †Elvira M. Whipple *Social Science Divisional*

†Lawrence Edmund Sneden *Social Science Divisional*

DEGREE OF BACHELOR OF SCIENCE—HONORS COLLEGE

†Karla Kay Hoover *Mathematics* *Nancy Louise Smith *Mathematics*

†Susan Humphries *Botany and Plant Pathology*

†Johnson N. C. Maduewesi *Botany and Plant Pathology*

*With Honor
†With High Honor

COLLEGE OF SCIENCE AND ARTS

DEGREE OF BACHELOR OF ARTS

Molly Theresa Andrews	<i>Music</i>	Stephen Thomas Kerns	<i>Social Science Divisional</i>
Kenneth Francis Bannon, Jr.	<i>Art</i>	Joseph Arthur LaBo	<i>History</i>
Judith Jaculin Bay	<i>Social Science Divisional</i>	Richard Anthony Librizzi	<i>History</i>
*Helen Strube Buford	<i>English</i>	John Allen Lucas	<i>Chemistry</i>
Andrew Paul Butsko	<i>Social Science Divisional</i>	*Sharon Elaine Ludwick	<i>English</i>
Joellen Harriet Butters	<i>Social Science Divisional</i>	Ronald Kerr MacLennan	<i>Social Science Divisional</i>
Lois Crum Colon	<i>Sociology</i>	Charles Eugene Martell	<i>Social Science Divisional</i>
James Edward Crowley	<i>Social Science Divisional</i>	Deborah Elizabeth Maxwell	<i>Geography</i>
Samuel Robert Dean	<i>Social Science Divisional</i>	William Donald McLean	<i>English</i>
*Daniel Druckman	<i>Psychology</i>	Connie Metz	<i>Art</i>
Janet Mae Falk	<i>Geography</i>	Robert Walter Millett	<i>English</i>
Kenneth R. Ferguson, Jr.	<i>Psychology</i>	Ned Bowman Newlin	<i>Social Science Divisional</i>
Ronald Andrew Forsyth	<i>Geography</i>	Sam Adolf Oakland	<i>Humanities</i>
*Stephen Goodnow Gardner	<i>Psychology</i>	Walter Emerson Pattee, Jr.	<i>Social Science Divisional</i>
Hal Edward Goss	<i>Social Science Divisional</i>	Virginia Laura Patterson	<i>Social Science Divisional</i>
*Carl Walter Griffler	<i>History</i>	Marilynn Gay Paul	<i>Art</i>
Gerald Lee Hall	<i>English</i>	Gilbert Paul Payton	<i>Social Science Divisional</i>
David Robert Hankinson	<i>History</i>	Bernard Charles Peterson	<i>Social Science Divisional</i>
Frederick Eugene Hebel	<i>German</i>	Wayne Winfield Peterson	<i>Social Science Divisional</i>
Charles R. Huff	<i>Psychology</i>	William Tatem Reeves	<i>History</i>
Raleigh Jo Huizinga	<i>Psychology</i>	Howard Irving Richardson	<i>Social Science Divisional</i>
Ronald Cecil James	<i>Psychology</i>	*David Volkman Richey	<i>Social Science Divisional</i>
Harley Alan Jensen	<i>Psychology</i>		
Howard D. Keith	<i>Humanities</i>		

*With Honor

COLLEGE OF SCIENCE AND ARTS

DEGREE OF BACHELOR OF ARTS (Continued)

Richard Edward Schott	<i>Social Science Divisional</i>	John Wesley Taliaferro	<i>Philosophy</i>
Miles Edward Simpson	<i>Psychology</i>	James Penner TeSelle	<i>Psychology</i>
Romana Johanna Skorobohata	<i>Psychology</i>	†Sandra Joanne VanDoren	<i>Social Science Divisional</i>
David Wilson Smith	<i>Mathematics</i>	Peter Stuart Vanderwerf	<i>French</i>
Robert Dean Snyder	<i>Psychology</i>	Sharon Darlene VanRiper	<i>Social Science Divisional</i>
Thomas Charles Spurway	<i>Sociology and Anthropology</i>	Jack Bernard Weber	<i>Art</i>
*Rudy Kay Steury	<i>Social Science Divisional</i>	Walter Scott Willett	<i>Social Science Divisional</i>
Donald Edward Suter	<i>Art</i>	Theodore Allen Williams	<i>Music Therapy</i>
		Wayne Andrews Williams	<i>Psychology</i>

DEGREES RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

BACHELOR OF ARTS

Theodore Vincent Anspaugh	<i>Mathematics</i>	Norma Jane Kujawa	<i>History</i>
Johanna M. Baker	<i>Social Science Divisional</i>	Jacqueline Irene LeRoy	<i>English</i>
Conrad Howard Behler	<i>Social Science Divisional</i>	Spencer Edward McAllister	<i>Social Science Divisional</i>
Anthony Wayne Blagg	<i>Social Science Divisional</i>	*Thais Colleen McArthur	<i>English</i>
Judith Ann Bovee	<i>History</i>	Nels August Olson	<i>History</i>
David Martin Butler	<i>History</i>	*Jon Thomas Pettyes	<i>English</i>
Donna Sue Cameron	<i>Social Science Divisional</i>	*Barbara Joan Rheaume	<i>English</i>
Richard Alvin Conn II	<i>History</i>	James Andrew Rice	<i>History</i>
William Frank DeHaan	<i>History</i>	Nancy Lee Robertson	<i>History</i>
Barbara Joan Garrett	<i>History</i>	Ronald Edward Rohlman	<i>History</i>
Judith Ann Greig	<i>Art</i>	Patricia Ann Sarantos	<i>English</i>
Gerald Joseph Hankus	<i>Social Science Divisional</i>	Sandra Ann Tallos	<i>History</i>
Paula Renee Kalik	<i>Social Science Divisional</i>		

*With Honor

†With High Honor

COLLEGE OF SCIENCE AND ARTS

DEGREES RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

BACHELOR OF ARTS (Continued)

Ilze Udriš	Art	Georgiann Wedemeyer	Mathematics
Barbara Ann Uglow	<i>Social Science Divisional</i>	Gerald Joseph Wiese	History
Theodotta Lizbeth Vail	<i>Social Science Divisional</i>	Forest Larry Woodcock	History
Jill Ann VanDam	History		

DEGREE OF BACHELOR OF FINE ARTS

Gerald Grubb Gard	Art	John Milton Metheany III	Art
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DEGREE OF BACHELOR OF SCIENCE

Allen G. Bengtsson	Geology	Basil Duane Norton	Zoology
Earl Philip Black	Mathematics	*Melvin Dennis Olman	Physics
John Barry Boehlert	<i>Mathematical and Physical Science Divisional</i>	*Okpo Oji Onyekwere	<i>Microbiology and Public Health</i>
Gerald Andrew Geile	Mathematics	Ralph Ronald Przybyla	Zoology
*Llewella Louise Hall	Mathematics	Edward Allen Schmidt	<i>Microbiology and Public Health</i>
Marley Glynn Horton, Jr.	Zoology	Richard Jerome Schoof	Zoology
Charles Edward Kinney, Jr.	Zoology	Samuel Teleki	<i>Microbiology and Public Health</i>
Tiit Kivilaan	<i>Mathematical and Physical Science Divisional</i>	Ronald William Walker	Mathematics
Russell Frederick LaBeau	Zoology	*Marilyn Elizabeth Wasco	Mathematics
Richard Berkeley Loomis	Mathematics	*Tamunoemi Sokari David West	<i>Microbiology and Public Health</i>
Stanley James Miller	Geology	†Gary Lee Wheelock	<i>Microbiology and Public Health</i>
David James Neebes	<i>Mathematical and Physical Science Divisional</i>	William Michael Woodhouse	Geology

*With Honor

†With High Honor

COLLEGE OF SCIENCE AND ARTS

DEGREES RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

BACHELOR OF SCIENCE

*Helen Adrienne Arnold	<i>Mathematics</i>	*Jerald Wayne Murdock	<i>Mathematics</i>
Gerald Lee Bolgos	<i>Zoology</i>	Emil Novak	<i>Mathematical and Physical Science Divisional</i>
David Clare Fisher	<i>Mathematics</i>	Earl William Patterson	<i>Mathematics</i>
Douglas Elon Kent	<i>Mathematics</i>	*Edna May Phillips	<i>Mathematical and Physical Science Divisional</i>
Daniel Philip McDaniel	<i>Mathematics</i>	Janet Ann Russell	<i>Zoology</i>
Robert Leroy McGinty	<i>Mathematics</i>	Stanley Joseph Sobon	<i>Mathematics</i>
Jerry Hill McKay	<i>Mathematics</i>	Robert Peter Vlug	<i>Mathematics</i>
Gerald Lee Moerland	<i>Mathemaitcs</i>		

DEGREE OF MASTER OF ARTS

James Bernard Alfredson	<i>Philosophy</i>	James Peter Meloney	<i>Philosophy</i>
Charles Arthur Baldwin	<i>English</i>	Elliott Hilton Rosenberg	<i>Psychology</i>
Tara Deva Bhattarai	<i>Sociology and Anthropology</i>	Italo P. B. Scanga	<i>Art</i>
Roger William Cote	<i>Statistics</i>	Stuart Silvers	<i>Philosophy</i>
Larry Edwin Hodgins	<i>Geography</i>	Stanley A. Smith	<i>Psychology</i>
Wendell Allen Jacobs II	<i>Geography</i>	George Edwin Somers	<i>Sociology and Anthropology</i>
Philip Jacob Klukoff	<i>English</i>	Ralph Rohrer Swarr	<i>Psychology</i>
Peter Anthony McKinnon	<i>History</i>	Rita Zemach	<i>Statistics</i>
Paul Richard Mead	<i>History</i>		

DEGREE OF MASTER OF ARTS TEACHING

Lucy Williams Quimby	<i>Biological Sciences</i>
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*With Honor

COLLEGE OF SCIENCE AND ARTS

DEGREE OF MASTER OF MUSIC

Donald Dean Tiffany

DEGREE OF MASTER OF SCIENCE

Ruth Marie Allen *Chemistry*

John Alfred Bach
Microbiology and Public Health

Donald Milo Beale *Zoology*

Thomas Rosario Castro *Entomology*

David Lane Goss *Physics*

Martin Horowitz *Geology*

Gary Alan Houghtby
Microbiology and Public Health

Gerald Charles Kettunen *Zoology*

William Hermann Kirschke *Geology*

Esmail Koushanpour *Physiology*

Mary Jean Long *Chemistry*

Donald Warren Merritt *Geology*

Faith Ingrid Naegeli *Geology*

Curtis LeVerne Patton
Microbiology and Public Health

David Parker Rablen *Chemistry*

Harold Rishel Ringler *Chemistry*

Eric Joseph Rosenberger *Geology*

Walter Alan Sisler
Microbiology and Public Health

Charles Emanuel Skinner *Mathematics*

John Bernard Tressler *Physics and Astronomy*

James B. Zaitzeff *Geology*

COLLEGE OF BUSINESS AND PUBLIC SERVICE

The candidates will be presented by DEAN ALFRED L. SEELYE

DEGREE OF BACHELOR OF ARTS—HONORS COLLEGE

†Daniel Patrick Kearney *General Marketing*

DEGREE OF BACHELOR OF SCIENCE—HONORS COLLEGE

†Thomas Joseph McGreevy
 Law Enforcement Administration

DEGREE OF BACHELOR OF ARTS

Said Issa Abdi *Political Science*

Herbert Nelson Ashley
 General Business Administration

John Donald Babb *Economics*

Thomas Hagen Bailey *Personnel Administration*

James Jay Best *Insurance*

Douglas Michael Boadt *General Marketing*

Kenneth Wayne Bray *Personnel Administration*

Donald Harry Bulger
 General Business Administration

Russell Alan Buyers *Personnel Administration*

Lucinda Yvonne Cargill *Social Work*

Ronald Stuart Wilson Chew *Economics*

Robert Edwin Clark
 General Business Administration

Richard G. Clippert *Production Administration*

Edward Price Day *Accounting*

John DeMartino *Hotel and Club Management*

John Arthur Desautels
 General Business Administration

Gerald D. Desrosier *Personnel Administration*

Charles Howard Ellis *Personnel Administration*

Charles Allen Emery *Purchasing Administration*

Alfred Fred Farkas
 General Business Administration

Bruce Edward Gilmore *Economics*

Robert Lester Grof
 General Business Administration

Arthur Gubernick *General Marketing*

Barrett Jon Harrison *Restaurant Management*

Daniel Clifford Hill
 General Business Administration

John Howard Hoops
 General Business Administration

Jon Elwyn Hultman *General Marketing*

James Michael Ireland *Accounting*

Graham Alfred Johnson *Political Science*

*With Honor
†With High Honor

COLLEGE OF BUSINESS AND PUBLIC SERVICE

DEGREE OF BACHELOR OF ARTS (Continued)

†Gregg Beach Johnson
Hotel and Club Management

James Arthur Johnston
General Business Administration

Fred George Kalush
Food Distribution Administration

Allan Terry Kaplan *Restaurant Management*

Michael Louis Kleinhans *General Marketing*

James Gary Lathem *Personnel Administration*

Charles Montroy LaTour *Restaurant Management*

Harold Francis Leigeb *General Marketing*

†William Howard Leonard *Accounting*

William Alden Little, Jr.
General Business Administration

Frederick Butsch Lupro *Economics*

Edward William Lyons *Restaurant Management*

Lawrence Clifford Maison
Hotel and Club Management

Samuel Margosian
General Business Administration

Don Ermal Marsh
Food Distribution Administration

Jack G. Mayo
General Business Administration

*John Palmer McCaskill *Accounting*

Donald Leo McClarty *Personnel Administration*

Duane J. McCliggott *Hotel and Club Management*

Uriah Zephaniah McGlashan *Social Work*

Ronald Harold McKay *Production Administration*

Robert Clarence Miles *Economics*

Robert Irving Moe *Hotel and Club Management*

Herbert N. Moon *Accounting*

Benjamin F. Moore *Insurance*

Charles William Barrett Morrison
General Business Administration

Lawrence Charles Murphy
Production Administration

Paul A. Neff *Economics*

L. Mark Newman *Economics*

Phillip David Nico *Real Estate*

W. Gerald Nuerminger *Accounting*

Joseph John Obermeyer
Hotel and Club Management

Thomas Lee Otto
General Business Administration

James Alan Owen *Hotel and Club Management*

Edward Donald Ozybko *General Marketing*

Foster Filmore Palmer *Political Science*

Sam G. Pappas *Production Administration*

Donald Lee Paul
General Business Administration

Roger Ray Promer *Accounting*

Dave Lee Regan *Restaurant Management*

Theodore K. Robinson *Economics*

Donald Rosenthal *Institutional Management*

Donald L. Rumbles *Economics*

Mitchell Savas *Restaurant Management*

Robert Mellus Schaffer
General Business Administration

*With Honor

†With High Honor

COLLEGE OF BUSINESS AND PUBLIC SERVICE

DEGREE OF BACHELOR OF ARTS (Continued)

*Nancy Jean Sessions	<i>Social Work</i>
Rudolph Gordon Sherrill	<i>Economics</i>
John Howard Simmons	<i>General Business Administration</i>
James Edward Slack	<i>Insurance</i>
Lois Mae Smith	<i>Social Work</i>
John Franklin Stetler, II	<i>Production Administration</i>
Charles H. Tatham, Jr.	<i>Production Administration</i>
Robert Everett Thompson	<i>Economics</i>
David Richard Torrey	<i>Hotel and Club Management</i>
David Lee Vander Leer	<i>Accounting</i>
Robert Dale Vander Leer	<i>Production Administration</i>
Clarence J. Vander Veer	<i>General Business Administration</i>
Charles Larry Vroman	<i>General Business Administration</i>

Kenneth Ralph Washington	<i>Institutional and Hospital Management</i>
James Arthur Weirauch	<i>Economics</i>
Robert Earl Wentworth	<i>Restaurant Management</i>
Eugene Howard Westerhoff	<i>Hotel and Club Management</i>
Gary L. Whitener	<i>General Marketing</i>
Glenn Carter Wideman	<i>Political Science</i>
Kenneth Duane Wieten	<i>General Business Administration</i>
Richard Hubert Wilkins	<i>Purchasing Administration</i>
Scott Floyd Winn	<i>Personnel Administration</i>
Richard Nicholas Witham	<i>Food Distribution Administration</i>
Richard Thomas Wochholz	<i>Economics</i>
Thomas Ray Wood	<i>Social Work</i>
Nan Etta Wright	<i>Accounting</i>
Charles Lawrence Young, Jr.	<i>Restaurant Management</i>

DEGREES RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

BACHELOR OF ARTS

John Lewis Blake	<i>General Business Administration</i>
William James DiGiulio	<i>Business Education</i>
Charles Mead Hilt	<i>Business Education</i>
Richard D. Lake	<i>Business Education</i>

Robert Douglas Reed	<i>Business Education</i>
Joanne Kay Smith	<i>Business Education</i>
Judith Maria Smith	<i>Business Education</i>
*William Norman Thompson	<i>Political Science</i>

*With Honor

COLLEGE OF BUSINESS AND PUBLIC SERVICE

DEGREE OF BACHELOR OF SCIENCE

Douglas James Austin	<i>Urban Planning</i>	Gary Merle McLeod	<i>Law Enforcement Administration</i>
Gerald Lewis Dake	<i>Urban Planning</i>	John Merod Muether	<i>Law Enforcement Administration</i>
Harold Eugene Dieter	<i>Industrial Security Administration</i>	James Robert Newville	<i>Industrial Security Administration</i>
Joan Grant Dunsmore	<i>The Prevention and Control of Delinquency and Crime</i>	†Howard Anthony Paulsey	<i>Law Enforcement Administration</i>
*Albert Ronald Escola	<i>Law Enforcement Administration</i>	George Alson Peek	<i>Urban Planning</i>
Clark David Fisher	<i>Law Enforcement Administration</i>	Robert David Pozel	<i>Landscape Architecture</i>
Max Frederick Heim	<i>Landscape Architecture</i>	Arnold Peter Rosenfeld	<i>Landscape Architecture</i>
William Henry Hewitt	<i>Law Enforcement Administration</i>	Dennis Patrick Scholtz	<i>Landscape Architecture</i>
Russell Lee Kassin	<i>Landscape Architecture</i>	H. G. Willis Shane	<i>Landscape Architecture</i>
†Hayes Carlton Larkins	<i>Industrial Security Administration</i>	*Thomas Edwin Sloan	<i>Correctional Administration</i>
*Wilson Livingood	<i>Law Enforcement Administration</i>	Kent Waldron Smith	<i>Landscape Architecture</i>
Thomas Stanley McClure	<i>Law Enforcement Administration</i>	Pisakdi Varamisra	<i>Law Enforcement Administration</i>
		James Brian Ward	<i>Law Enforcement Administration</i>

DEGREE OF MASTER OF ARTS

Bernard Eugene Anderson	<i>Economics</i>	William Chester Dawkins, Jr.	<i>Economics</i>
Robert William Becker	<i>Political Science</i>	William Francis Eardley	<i>Police Administration and Public Safety</i>
James Mason Benham	<i>Economics</i>	Jay Grant Gauger	<i>Economics</i>
David Hugh Burger	<i>Economics</i>	Evelyn E. Hard	<i>Business Education</i>
Bruce Erwin Chapman	<i>Food Distribution</i>	Richard Infarinato	<i>Economics</i>
Chi Han Chyung	<i>General Business Administration</i>		

*With Honor

†With High Honor

COLLEGE OF BUSINESS AND PUBLIC SERVICE

DEGREE OF MASTER OF ARTS (Continued)

Carl Lessing Jacobson
Hotel, Restaurant and Institutional Management

Wendell Earl Mason
General Business Administration

Paul Ervin Nickel
Economics

Raymond Paul Randuk
Hotel, Restaurant and Institutional Management

William Edwin Reiser, Jr.
Hotel, Restaurant and Institutional Management

M. Gandhi Reuben
Economics

Alan L. Seltzer
Political Science

Bertrand Winfred Weesner
General Business Administration

DEGREE OF MASTER OF BUSINESS ADMINISTRATION

Lynn Hough Corson, Jr.
Food Distribution

Elaine Ross Irvin
Personnel and Human Relations

Chunbong Kimm
Transportation

Warren Dean Kleis
Production Administration

Tom Henry McKinney, Jr.
Purchasing Administration

Richard Dale Mendel
Accounting

Milton Huppert Monte Carmello
Personnel and Human Relations

Luiz Carlos Bresser Goncalves Pereira
Business Administration

Zaira Carvalho Rocha
Business Administration

Donald L. Rogoff
Accounting

William Albert Sykora
Purchasing Administration

Donald L. TeaPole
Business Administration

Robert Thomas Valentine
Purchasing Administration

Daniel Frank Walcott
Production Administration

DEGREE OF MASTER OF SCIENCE

George Peter Caronis
Police Administration

John Gilbert Pouch
Police Administration

Walter Donald Weiss
Police Administration

DEGREE OF MASTER OF SOCIAL WORK

Roger Allen Forth

Adolphus David Waugh

Carol Henry Welch

DEGREE OF MASTER OF URBAN PLANNING

Bradford Savage Chase

William George Kweder

COLLEGE OF EDUCATION

The candidates will be presented by DEAN CLIFFORD E. ERICKSON

DEGREE OF BACHELOR OF ARTS—*Elementary Education*

Carol Frank Bailey	Gay Phyllis Kaymen
Carol Ann Baude	Sylvester C. Lockett
Kay Jean Beatty	Mary Katharine Lyday
*Mary Ann Boettcher	Irma Dennis Maklin
Anne Marie Buege	Anne Elizabeth Martin
Clarice D. Chapman	*Helen Andrea McNeely
Caroline Ann Cleary	Priscilla Jane Miriani
Ann Draper	Diane Caryl Petersen
Mary Samantha Fellows	Mary Katherine Rogers
Suzanne Genevieve Fillingham	Joyce Rosalie Sarrazin
Arleen Gail Gatherum	*Judy Lee Scanlan
Carol Ann Hackett	A. June Scully Sherman
Judith Rae Holmes	Kathryn Margaret Shultz
†Nancy Jayne Hoofnagle	Nancy Ann Dunn Smith
*Lorna Marie Horrom	Patricia Ruth Smith
Barbara Murray Hufford	Patricia Ann Stetler
*Janice Marie Johnson	Joanne Marie Vry
*Nan Suzette Jorgensen	Jeannette Louella Williams

DEGREE OF BACHELOR OF SCIENCE

George C. Carlisle	<i>Industrial Arts</i>	James Peter Dimoff	<i>Physical Education</i>
Richard Bruce Content	<i>Physical Education</i>	John Gelmisi	<i>Physical Education</i>

*With Honor
†With High Honor

DEGREE OF BACHELOR OF SCIENCE (Continued)

Richard John Golden	<i>Physical Education</i>	Clarence Underwood, Jr.	<i>Physical Education</i>
Robert O. Moser	<i>Industrial Arts</i>	Ronald Charles Warner	<i>Physical Education</i>
Gerald O. Peterson	<i>Physical Education</i>	Russell David Wier	<i>Industrial Arts</i>
Richard Boyd Smith	<i>Physical Education</i>	Judith Anne Williams	<i>Physical Education</i>
Richard Norman Thelen	<i>Physical Education</i>	Hendricks Macio Young	<i>Physical Education</i>
Harry Wayne Turak	<i>Physical Education</i>		

DEGREE OF MASTER OF ARTS—*Education*

Howard James Adams	Richard Edward Curran
Donald Charles Balzarini	Harold Johann Dachtler
Forrest Dellor Baribeau	Lawrence Raymond Daniels
Richard Harris Bender	John Dean Eister
Alice M. Benson	Dorothy June Emerson
James G. Blackburn	Lois Helen French
Sievert Edwin Block	John Robert Fuller
John Brissaud	George Harrison Giddings
Richard John Bullock	Arthur William Glidewell
Jack Gordon Cairl	James D. Gray
Marie Callahan	James Eddie Green
Patricia Ann Calvert	Ardith Rowland Hanna
John Hartley Cansfield	Gordon Wilmer Hanna
Eugene R. Castello	Marjean Lucile Hefke
Mary Gladys Chase	Betty Louise Hoffman
Gerald Leo Cooper	Gerald Robert Hoffman
Robert W. Cooper	Donald Richard Hoover

*With Honor

COLLEGE OF EDUCATION

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

Laurene Allen Horiszny

John Patrick Hyde

Betty Ann Junk

Norman Dale Kreager

Hugel Alexander Leonard

James Frank Lewis

Russell Dale Maples

Martha Summers Maynard

William Edmond McCormick

Clarence Thomas Means

Gordon Louis Metzner

Thomas A. Murphy

Robert Gale O'Neill

Jack Wellinton Ostrander

Aubrey Radcliffe

Jack Douglas Rader

Marvin Walter Ralya

George Albert Randall

William Ratigan

Edward Bruce Robbins

Edna A. Sargent

Herbert Havens Sheathelm

Thomas Joseph Spear

John Donald Spoelman

Charles M. Stewart

Frank Lloyd Sudac

Walter Francis Swartz

Sheela Swarup

Karel Frank Taborsky

Frederick C. Tinning

Orpha May VerPlanck

Donald Waldron

COLLEGE OF COMMUNICATION ARTS

The candidates will be presented by **DEAN FRED S. SIEBERT**

DEGREE OF BACHELOR OF ARTS—HONORS COLLEGE

*Ralph Jacob Baum *Television and Radio*

DEGREE OF BACHELOR OF ARTS

Donald Robert Adlam	<i>Television and Radio</i>	Paul R. LaRocque	<i>Journalism</i>
Charles J. Charmatz	<i>Television and Radio</i>	H. Robert Mittendorf	<i>Advertising</i>
Edward Albert Cote	<i>Television and Radio</i>	Charles Grant Olson	<i>Advertising</i>
*Gordon Ray Gainer	<i>Television and Radio</i>	Harvey Irwin Rutenberg	<i>Advertising</i>
Charles C. Hollyday	<i>Television and Radio</i>	Charles L. Shemely	<i>Advertising</i>
*Joan Patricia Kane	<i>Advertising</i>	Edward Niles Strandquist	<i>Advertising</i>
Nancy Lee Kuechenberg	<i>Speech</i>		

DEGREES RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

BACHELOR OF ARTS

Freida Mae Dalton	<i>Speech Education</i>	Lynn Eldred Miner	<i>Speech Education</i>
Allison Dillon Kroy	<i>Speech Education</i>		

DEGREE OF MASTER OF ARTS

Fredric Alan Powell	C. Burton Seeker	<i>Speech</i>
<i>General Communication Arts</i>		

*With Honor

SCHOOL FOR ADVANCED GRADUATE STUDIES

The candidates will be presented by DEAN MILTON E. MUELDER

DIPLOMA FOR ADVANCED GRADUATE STUDY

- Hubert Nelson Clarke B.A., Milton College; M.A., University of Michigan.
Education. *Major Professor:* W. H. Roe, Professor.
- William Robert Eckstrom B.S., M.A., Michigan State University.
Education. *Major Professor:* K. T. Hereford, Associate Professor.
- Leland August Hoyer B.A., Concordia Seminary; M.A., Western Michigan University.
Education. *Major Professor:* W. F. Johnson, Professor.
- David William Shafer A.B., Taylor University; M.A., Colorado College.
Education. *Major Professor:* J. E. Jordan, Assistant Professor.

CANDIDATES FOR THE DOCTORAL DEGREES

- Richard Emil Bjork, Ph.D. B.A., Yale University; M.A., Vanderbilt University.
Political Science. *Major Professor:* E. W. Weidner, Professor.
Thesis: The Role of American Universities in International Relations.
- Oscar Uel Blank, Ph.D. B.S., University of Missouri; M.S., University of Minnesota.
Agricultural Economics. *Major Professor:* D. E. Hathaway, Professor.
Thesis: OASI Data of the Farm Labor Force.
- Leo Henry Bowman, Ph.D. B.S., Ottawa University.
Chemistry. *Major Professor:* K. G. Stone, Professor.
Thesis: A Study of the Decomposition of Ammonium Hexanitratocerate
(IV) in Glacial Acetic Acid.
- David Paul Brown, Ph.D. B.S., M.S., University of Illinois.
Electrical Engineering. *Major Professor:* M.B. Reed, Professor.
Thesis: On Sign Patterns of Branch Matrices and R-Graph Realization.

SCHOOL FOR ADVANCED GRADUATE STUDIES

CANDIDATES FOR THE DOCTORAL DEGREES (Continued)

- Helen Ione Brown, Ph.D. B.S., University of Vermont; M.A., Columbia University.
Education. *Major Professor:* B. Steffire, Professor.
Thesis: A Study of the Membership Criterion, the Basic Features, and Student Appraisals of the Michigan State University Honors College.
- James Edwin Carnahan, Ph.D. B.A., M.Ed., Adams State College.
Education. *Major Professor:* W. A. Mann, Professor.
Thesis: Certain Factors That Contribute to Non-Conviction of Responsible Drivers in Motor Vehicle Accidents Resulting in a Fatality.
- Alain F. Corcos, Ph.D. B.S., M.S., Michigan State University.
Farm Crops. *Major Professor:* E. C. Rossman, Professor.
Thesis: Recurrent Selection and Inbreeding for Maturity in Maize.
- Harris Bradford Craig, Ph.D. B.S., Clemson College; M.S., North Carolina State College.
Animal Husbandry. *Major Professor:* A.M. Pearson, Professor.
Thesis: Fractionation of the Component(s) Responsible for Sex Odor in Pork.
- Lars Erik Danfors, Ph.D. Agronomexamen, Royal Agricultural College, Sweden.
Soil Science. *Major Professor:* A. E. Erickson, Professor.
Thesis: A Study of Soil Aeration During Drainage Using the Platinum Microelectrode Technique.
- Ned Arthur Daugherty, Ph.D. B.S., Purdue University.
Chemistry. *Major Professor:* C. H. Brubaker, Jr., Associate Professor.
Thesis: A Study of the Copper (II) and Nickel (II) Complexes of Some 5-Substituted Tetrazoles.
- James Henry Davis, Ph.D. B.S., University of Illinois; M.A., Michigan State University.
Psychology. *Major Professor:* F. Restle, Associate Professor.
Thesis: Individual and Group Solution of Verbal Problems: An Experimental and Theoretical Analysis.

SCHOOL FOR ADVANCED GRADUATE STUDIES

CANDIDATES FOR THE DOCTORAL DEGREES (Continued)

- Arturo DeHoyos, Ph.D. B.A., M.A., Brigham Young University.
Sociology and Anthropology. *Major Professor:* A. O. Haller, Associate Professor.
Thesis: Occupational and Educational Levels of Aspiration of Mexican-American Youth.
- Boyd Gene Ellis, Ph.D. B.S., M.S., Kansas State College.
Soil Science. *Major Professor:* M. M. Mortland, Associate Professor.
Thesis: The Measurement of Heats of Reactions of Soil Components with a Differential Thermal Analysis Apparatus.
- Eskel Oren Essary, Ph.D. B.S., M.S., Oklahoma State University.
Poultry Science. *Major Professor:* L. E. Dawson, Associate Professor.
Thesis: The Influence of Added Fat and Protein in Broiler Rations on Growth Rate, Dressing Percentages, and Other Carcass Characteristics.
- Thomas Edward Felt, Ph.D. B.S., College of Wooster; M.A., Columbia University.
History. *Major Professor:* M. Kuhn, Professor.
Thesis: Biography of Mark Hanna.
- Burton Dean Friedman, Ph.D. B.S., Northwestern University; M.A., University of Kentucky.
Education. *Major Professor:* K. T. Hereford, Associate Professor.
Thesis: Higher Education in the United States Perceived as a Social System.
- Kathryn Elizabeth Fuscaldo, Ph.D. B.S., Queens College; M.A., Hofstra College.
Agricultural Chemistry. *Major Professor:* A. S. Fox, Associate Professor.
Thesis: An Immunogenetic Analysis of White Variegated Position Effects in *Drosophila melanogaster*.
- Rolf Armin George, Ph.D. M.A., Michigan State University.
Philosophy. *Major Professor:* W. J. Callaghan, Associate Professor.
Thesis: The Problems of the Infinite and the Continuum in Some Major Philosophical System of the Enlightenment.

SCHOOL FOR ADVANCED GRADUATE STUDIES

CANDIDATES FOR THE DOCTORAL DEGREES (Continued)

- Gail Denise Griffith, Ph.D. B.S., Michigan College of Mining and Technology.
Chemistry. *Major Professor:* R. U. Byerrum, Professor.
Thesis: The Biological Oxidation of Nicotine
I. Nicotine Degradation by *Nicotiana rustica*.
II. Nicotine Degradation by an *Arthrobacter* species.
- Curtis Robert Hare, Ph.D. B.S., Pennsylvania State University.
Chemistry. *Major Professor:* R. N. Hammer, Assistant Professor.
Thesis: Preparation of Siloxy-Chromium Compounds.
- Logan E. Hargrove, Ph.D. B.S., M.S., Oklahoma A. & M.
Physics and Astronomy. *Major Professor:* E. A. Hiedemann, Professor.
Thesis: Some Effects of Progressive Ultrasonic Waves on Light Beams of Arbitrary Width.
- Victor Krampl, Ph.D. M.S., Ontario Agricultural College, Canada.
Chemistry. *Major Professor:* R. U. Byerrum, Professor.
Thesis: The Role of Δ -Pyrroline-S-Carboxylic Acid in the Biosynthesis of Pyrrolidine Ring of Nicotine.
- Arthur William Krumbach, Ph.D. B.S., Michigan College of Mining and Technology; M.S., Michigan State University.
Forestry. *Major Professor:* D. P. White, Associate Professor.
Thesis: The Effect of Soil Freezing and Thawing on Soil Moisture, Bulk Density, and Shear Strength Under Open and Wooded Cover.
- John Perry Lane, Ph.D. B.S., University of Massachusetts; M.S., Oklahoma State University.
Animal Husbandry. *Major Professor:* L. J. Bratzler, Professor.
Thesis: Spectrophotometric Estimation of Metmyoglobin in Frozen Meat Extracts.
- Gordon Depew Lewis, Ph.D. B.S., Virginia Polytechnic Institute; M.F., Duke University.
Forestry. *Major Professor:* L. M. James, Professor.
Thesis: An Analysis of Pulpwood Marketing in Michigan.

SCHOOL FOR ADVANCED GRADUATE STUDIES

CANDIDATES FOR THE DOCTORAL DEGREES (Continued)

- Harlan Richardson McCall, Ed.D. B.A., Albion College; M.A., University of Michigan.
Education. *Major Professor*: K. T. Hereford, Associate Professor.
Thesis: Problems of New Faculty Members in North Central Colleges and Universities of Less than 3,000 Enrollment.
- A. Dare McGilliard, Ph.D. B.S., M.S., Oklahoma A. & M.
Dairy Nutrition. *Major Professor*: C. F. Huffman, Professor.
Thesis: Re-Entrant Duodenal Fistula Techniques: Application to the Study of Digestion and Passage in the Bovine Alimentary Tract.
- John Taylor McNelly, Ph.D. B.A., M.A., University of Wisconsin
Communication Arts. *Major Professor*: P. J. Deutschmann, Professor.
Thesis: Meaning Intensity as Related to Readership of Foreign News.
- Victor Eugene Meyer, Ph.D. B.S., Michigan State University.
Chemistry. *Major Professor*: J. B. Kinsinger, Assistant Professor.
Thesis: A Theory for Conformation in Isotactic Polymers; A Markov Process.
- Burman J. Misenar, Ed.D. B.S., Michigan State Normal College; M.A., Columbia University.
Education. *Major Professor*: W. F. Johnson, Professor.
Thesis: A Study of Defense Information and Orientation Program in Selected Michigan High Schools.
- Lawrence Eugene Mobley, Ph.D. B.A., Emmanuel Missionary College; M.A., University of Michigan.
English. *Major Professor*: R. B. Nye, Professor.
Thesis: San Francisco's Golden Era, 1852-60.
- Earl Hiram New, Ph.D. B.S., Iowa State University; M.S., University of Idaho.
Horticulture. *Major Professor*: P. R. Krone, Professor.
Thesis: Obtaining Retail Flower Sales Information by Means of an "In-Shop" Systematic Sampling Method.

SCHOOL FOR ADVANCED GRADUATE STUDIES

CANDIDATES FOR THE DOCTORAL DEGREES (Continued)

- Evan Harold Pepper, Ph.D. B.S., University of Detroit; M.S., Michigan State University.
Botany and Plant Pathology. *Major Professor:* R. L. Kiesling, Professor.
Thesis: The Microflora of Barley, Their Isolation, Characterization, Etiology, and Effects on Barley, Malt, and Malt Products.
- Simon Daniel Perry, Ph.D. B.A., Berea College; M.A., University of Tennessee.
Political Science. *Major Professor:* R. M. Goldman, Associate Professor.
Thesis: Conflict of Expectations and Roles in "Policy Science" Behavior.
- James Archibald Phillips, Jr., Ed.D. B.S., Maryland State Teachers College; M.Ed., University of Maryland.
Teacher Education. *Major Professor:* C. A. Blackman, Associate Professor.
Thesis: Ability Grouping and Teacher Attitudes: An Exploratory Study of Junior High School Teachers and Their Commitment to Ability Grouping.
- Joseph Neal Pratt, Ph.D. B.S., M.S., Southwest Texas State College.
Soil Science. *Major Professor:* H. D. Foth, Professor.
Thesis: The Effect of Phosphorus and Potassium on the Botanical and Chemical Composition, Yield, and Persistence of Alfalfa and Certain Grasses Grown in Combination.
- Wesley Irvin Schmidt, Ed.D. B.A., Greenville College; M.A., Michigan State University.
Education. *Major Professor:* W. F. Johnson, Professor.
Thesis: The Study of the Origins, Education and Occupational Definition of Hotel Managers as Related to Career Patterns of Security and Success.
- Andries Petrus Scholtz, Ph.D. Bachelor of Commerce, Stellenbosch University; Honors Bachelor of Commerce, Master of Commerce, Potchefstroom University.
Economics. *Major Professor:* V. E. Smith, Professor.
Thesis: A Comparative Analysis of Corn Problems and Programs in the United States and the Union of South Africa.

SCHOOL FOR ADVANCED GRADUATE STUDIES

CANDIDATES FOR THE DOCTORAL DEGREES (Continued)

- John Charles Shickluna, Ph.D. B.S.A., Ontario Agricultural College; M.S., Michigan State University.
Soil Science. *Major Professor:* J. F. Davis, Professor.
Thesis: The Correlation of Soil Tests, Tissue Tests, and Yield Response of Several Crops Produced on Organic Soil.
- William Ward Sinclair, Ph.D. A.B., Eastern Michigan University; M.A., University of Michigan.
Education. *Major Professor:* W. V. Hicks, Professor.
Thesis: An Analysis of Three Pre-Student Teaching Laboratory Experiences in Preparation of Elementary School Teachers.
- Nicky Allan Smith, Ph.D. A.B., Antioch College; M.S., Michigan State University.
Horticulture. *Major Professor:* J. H. Carew, Professor.
Thesis: An Evaluation of Methylcellulose and Paper Seed Ribbons for the Precision Seeding of Lettuce (*Lactuca sativa* L.) and Other Vegetables.
- Roderick Jackson Smith, Ed.D. B.A., Michigan State Normal College; M.A., Michigan State University.
Education. *Major Professor:* W. H. Roe, Professor.
Thesis: An Analysis of the Transition from the Junior College Program to That of a Four-Year Liberal Arts Institution at Spring Arbor Junior College.
- Hugh Farrant Travis, Ph.D. B.S., M.S., Michigan State University.
Poultry Science. *Major Professor:* P. J. Schaible, Professor.
Thesis: Nutritional Studies on Ranch-Raised Mink.

