

13.1

TUESDAY, MARCH THIRTEENTH

NINETEEN HUNDRED AND SIXTY-TWO

**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 1895, 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 color of the velvet of the hood is distinctive of the subject to which the degree pertains. For example, the trimming for the degree of Master of Science in Agriculture should be maize, representing agriculture, rather than golden yellow, representing science.

At Michigan State University, it is customary to identify the bachelors graduating from the different department 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	Drab
COLLEGE OF COMMUNICATION ARTS	Royal Blue
COLLEGE OF EDUCATION	Light Blue
COLLEGE OF ENGINEERING	Orange
COLLEGE OF HOME ECONOMICS	Maroon
COLLEGE OF SCIENCE AND ARTS	
Arts	White
Music	Pink
Science	Golden Yellow
COLLEGE OF VETERINARY MEDICINE	Gray

ORDER OF CEREMONIES

PROCESSIONAL

FESTAL MARCH Thomas
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 DONALD W. HERB
Pastor, University Lutheran Church

ADDRESS

STEPHEN SUTHERLAND NISBET, LL.D., D.Sc. in B.A.
President of the Michigan Constitutional Convention

CONFERRING OF DEGREES

JOHN ALFRED HANNAH, D.Agr., LL.D., L.H.D., Sc.D., D.H., Litt.D.
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. HERB

RECESSIONAL

CROWN IMPERIAL Walton

The escorts for the procession are members of Mortar Board, an honor 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 extensive services to the people of Michigan.

Now in its 108th 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 1960-61 year, the Continuing Education Service reached more than 100,000 persons in programs conducted both on campus and in local communities.

Today, more than 22,500 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 for 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 one of the great educational institutions in America.

COLLEGE OF AGRICULTURE

The candidates will be presented by DEAN THOMAS K. COWDEN

DEGREE OF BACHELOR OF SCIENCE

Edward Arthur Adams	Packaging	Arnold Robert Girbach	Agricultural Economics
Edward John Anderson		Lloyd Arthur Grau	Animal Husbandry
Lumber and Building Materials Merchandising		Richard Stanley Hanes	Packaging
Robert H. Anderson	Animal Husbandry	Gordon Dean Harris	Packaging
Robert Douglas Arrington	Packaging	Rex Phillip Huguelet	Residential Building
Robert Lee Billett	Packaging	Myrl Keller	Fisheries and Wildlife
*Larry James Bradford	Soil Science	Lance Lee Ives	Packaging
Robert Ray Burnett	Packaging	Norman Frank Lockwood	Packaging
James Arthur Clark	Residential Building	Roger Lee Lohmolder	Residential Building
Robert Joseph Clarke	Floriculture	Charles Edwin Markley	Animal Husbandry
Frank Myron Coon	Ornamental Horticulture	Ronald George Marlatt	Packaging
Walter Upsall Cox	Agricultural Economics	Donald Lee Miller	Ornamental Horticulture
Donald Franklin Derby	Residential Building	Douglas Arthur Miller	Packaging
Robert John Eggert, Jr.	Agricultural Economics	James Jay Nichols	Residential Building
Carlton John Epple		Gerald Lee Painter	Packaging
Pomology and Vegetable Production		David Andrew Schatz	Forestry
Richard Dean Erickson	Agricultural Mechanics	Robert Truman Schneider	Packaging
Thomas Martin Esterline	Ornamental Horticulture	Donald Charles Schutt	Ornamental Horticulture
Timothy Okunola Fadayomi	Soil Science	Nelson Ernest Simkins	Packaging
Wallace Wayne Fengler	Animal Husbandry	Kenneth Kingsley Smith	Soil Science
William Charles Forge	Fisheries and Wildlife	Dean S. Solowim	Packaging
James Carl Genc	Fisheries and Wildlife		

*With Honor

COLLEGE OF AGRICULTURE

DEGREE OF BACHELOR OF SCIENCE (Continued)

Merton B. Sowerby	<i>Dairy Production</i>	*Thomas Anthony Wojtalik	<i>Fisheries and Wildlife</i>
Arnold William Stein	<i>Farm Crops</i>	Alex Wynstra	<i>Park Management</i>
Gilbert Edwin Tinsey	<i>Agricultural Economics</i>	Jon Michael Yoder	<i>Animal Husbandry</i>
Jack Titus	<i>Forestry</i>	Ralph Leroy Zantello	<i>Pomology and Vegetable Production</i>
Lee Malcolm Wibert	<i>Packaging</i>	John Lawrence Zettelmaier	<i>Fisheries and Wildlife</i>
Kim Owen Wilkins	<i>Residential Building</i>		

DEGREES RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

BACHELOR OF SCIENCE

Marshall Junior McGuire	<i>Agricultural Education</i>	William John Ross	<i>Agricultural Education</i>
Edward M. Rawson	<i>Agricultural Education</i>		

DEGREE OF MASTER OF SCIENCE

Robert Ray Burr	<i>Agricultural Economics</i>	Rey J. Jimenez-Montes	<i>Agricultural Engineering</i>
Edwin David Carpenter	<i>Horticulture</i>	Reuben Kaarre	<i>Resource Development</i>
William Edward Cobler	<i>Forest Products</i>	Boyd I. Kinzley	<i>Soil Science</i>
Enrique Delgado Castillo	<i>Agricultural Economics</i>	William Francis Lalor	<i>Agricultural Engineering</i>
Herbert Conrad Dostal	<i>Horticulture</i>	Ivan Martin Lappin	<i>Agricultural Extension</i>
Philip Eugene French	<i>Soil Science</i>	Stanley J. Leuty	<i>Horticulture</i>
John Elwood Gilmore	<i>Horticulture</i>	Karin Louise Lindquist	<i>Food Science</i>
Tariq Harran	<i>Soil Science</i>	Iqbal D. Malik	<i>Agricultural Extension</i>
Syed Abdullah Hassan	<i>Agricultural Engineering</i>	Robert Sigmund Manthy	<i>Forestry</i>
Artnel Samuel Henry	<i>Soil Science</i>	Rudy Mac Messner	<i>Forestry</i>
Donald Edward Herr	<i>Farm Crops</i>	Wesley Kenneth Mettert	<i>Soil Science</i>
Albert William Hosner	<i>Soil Science</i>	William Frederick Muller	<i>Resource Development</i>

*With Honor

COLLEGE OF AGRICULTURE

DEGREE OF MASTER OF SCIENCE (Continued)

Egil Oyjord	<i>Agricultural Engineering</i>	Larry Johnson Segerlind	<i>Agricultural Engineering</i>
Ronald Arthur Peterson	<i>Poultry Science</i>	Zinat Syed	<i>Agricultural Economics</i>
Richard Lee Phillips	<i>Horticulture</i>	Robin Lewis Vannote	<i>Fisheries and Wildlife</i>
Eldon Alvin Reiling	<i>Agricultural Economics</i>	John Vondruska	<i>Agricultural Economics</i>

COLLEGE OF ENGINEERING

The candidates will be presented by DEAN JOHN D. RYDER

DEGREE OF BACHELOR OF SCIENCE

†Alvin Cornell Bailey	<i>Agricultural Engineering</i>	Robert Jay Lafler	<i>Mechanical Engineering</i>
Jimmy Wayne Chastain	<i>Mechanical Engineering</i>	Frank Eugene Margrif	<i>Agricultural Engineering</i>
†Hugh Albert Curry	<i>Agricultural Engineering</i>	Paul Edwin McKim	<i>Agricultural Engineering</i>
*William Leonard Fischer	<i>Electrical Engineering</i>	James Louis Perry	<i>Agricultural Engineering</i>
Gerhard Walter Kruger	<i>Mechanical Engineering</i>		

DEGREE OF MASTER OF SCIENCE

Hadley W. Davis	<i>Mechanical Engineering</i>	Purushottom Narayanbhari Patil	<i>Chemical Engineering</i>
Joseph David Eisenberg	<i>Civil Engineering</i>	Thomas Eugene Perfitt	<i>Electrical Engineering</i>
Norbert Bernard Hemesath	<i>Electrical Engineering</i>	Jasvantrai Chunilal Shah	<i>Mechanical Engineering</i>
Li-San Hwang	<i>Civil Engineering</i>	Alfred Lee Snow	<i>Applied Mechanics</i>
William Thomas James III	<i>Electrical Engineering</i>	Parviz Vahid-Tehrani	<i>Electrical Engineering</i>
Albert A. Kalis	<i>Electrical Engineering</i>	Carlos A. Zapata	<i>Chemical Engineering</i>
Raymond Kenneth Koos	<i>Electrical Engineering</i>		
Virgilio Gamboa Mendoza	<i>Mechanical Engineering</i>		

*With Honor

†With High Honor

COLLEGE
OF
HOME ECONOMICS

The candidates will be presented by DEAN THELMA E. PORTER

HONORS COLLEGE
DEGREE OF BACHELOR OF SCIENCE

*Teckla Elizabeth Mueller
Research in Foods and Nutrition

DEGREE OF BACHELOR OF SCIENCE

Doris Jean Brickman	<i>Institution Administration</i>	John E. Kluger	<i>General Home Economics</i>
Lois Nobes Carter	<i>Foods</i>	*Martha Louise Werme	<i>General Home Economics</i>
†Dianna Sue Dahlvik	<i>Foods</i>	Marcia A. Wiegand	<i>Retail Merchandising</i>
Myrna Barbara Green	<i>Home Furnishings</i>		

DEGREES RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

BACHELOR OF SCIENCE — *Home Economics Teaching*

Mary Lee Bowlus	Bonnie Rae Steadman
Lynne Larson	Judith Ann Warbis
Louise Duren McGruther	*Marilyn Shirley Ziegler
Kathleen Kay Parrott	

DEGREE OF MASTER OF ARTS

Barbara McAlvay Ferrar	<i>Home Management</i>
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DEGREE OF MASTER OF SCIENCE

Mary Agneta Hardy	<i>General Home Economics</i>
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*With Honor

†With High Honor

**COLLEGE
OF
VETERINARY MEDICINE**

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

DEGREE OF BACHELOR OF SCIENCE

James B. Bilcer *Veterinary Medicine*

DEGREE OF MASTER OF SCIENCE

Edward Herbert Fowler	<i>Anatomy</i>	Robert John Warne	
Charles Cheavens Middleton	<i>Surgery and Medicine</i>		<i>Microbiology and Public Health</i>

**COLLEGE
OF
SCIENCE AND ARTS**

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

**HONORS COLLEGE
DEGREE OF BACHELOR OF ARTS**

*George Harry Demetrakopoulos	<i>Humanities</i>	†Gaines Noble McMartin	<i>English</i>
Maya Constance Kady	<i>Philosophy</i>	†Robert Farber Morgan	<i>Psychology</i>
†Jennifer Ann Lee	<i>Humanities</i>	†Donald Seymer Napoli	<i>Social Science Divisional</i>
†Theodora Mack	<i>Psychology</i>	†Dale Irving Warner	<i>Social Science Divisional</i>

DEGREES RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

BACHELOR OF ARTS

†Judith B. Radzom	<i>French</i>	†Janet Louise Rockafellar	<i>German</i>
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DEGREE OF BACHELOR OF SCIENCE

†George Campbell Eickwort	<i>Entomology</i>	*Richard Eugene Rayle	<i>Zoology</i>
*Daniel Archie Gollnick	<i>Physics and Astronomy</i>		

*With Honor
†With High Honor

DEGREES RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

BACHELOR OF SCIENCE

†Gary Douglas Darby	<i>Mathematics</i>	†Nancy Dee Rea	<i>Biological Science Divisional</i>
†Caroline Louise Matto	<i>Mathematics</i>		

DEGREE OF BACHELOR OF ARTS

Paul Albert Aiken	<i>Psychology</i>	Kenneth Gregory	<i>Art Practice</i>
Charles Calvin Anspaugh	<i>Social Science Divisional</i>	Richard Ellingham Hanna	<i>Social Science Divisional</i>
Clark Harry Barton	<i>Art Practice</i>	Stephen Smith Hautala	<i>Social Science Divisional</i>
Jean Frances Bastable	<i>Social Science Divisional</i>	Jerry Hoke	<i>Social Science Divisional</i>
Mary Etta Berman	<i>Social Science Divisional</i>	Philip Daniel Howe	<i>Social Science Divisional</i>
*Martha Kay Billings	<i>Music Therapy</i>	*Judith Rae Huber	<i>Music Therapy</i>
James Lyon Bonner	<i>Social Science Divisional</i>	Robert Michael Jewell	<i>Psychology</i>
Barney Edmund Burke	<i>Social Science Divisional</i>	Sanaullah Kirmani	<i>Philosophy</i>
John Wayne Burnett	<i>Social Science Divisional</i>	*Ronald George Kloet	<i>Russian</i>
Richard G. Cardew	<i>Social Science Divisional</i>	Lenore Beth Krotman	<i>Social Science Divisional</i>
Arnold Howard Chernoff	<i>Philosophy</i>	Bruce Thomas Leckart	<i>Psychology</i>
Christopher James Cummins	<i>Social Science Divisional</i>	Eleanor Jean Leland	<i>Art Practice</i>
David L. Douglas	<i>Social Science Divisional</i>	John Murwyn Mason, Jr.	<i>Social Science Divisional</i>
Marion Binaski Douglas	<i>Social Science Divisional</i>	John Blanchard Massoglia	<i>Art Practice</i>
Ellen Starr Emlaw	<i>Social Science Divisional</i>	Dino Prospero Matri	<i>Social Science Divisional</i>
Charles Franklin Engel	<i>Philosophy</i>	James Robert Mayer	<i>Social Science Divisional</i>
Peter Albert Gilles	<i>Psychology</i>	Howard Eugene McGhee	<i>Psychology</i>
Mina Isabelle Gold	<i>Sociology and Anthropology</i>	Dwight Thomas Menard	<i>Humanities</i>
Karen Louise Gollakner	<i>Social Science Divisional</i>	Wayne Joseph Moldovan	<i>Social Science Divisional</i>
		Elbert Thomas Monkman	<i>Social Science Divisional</i>

*With Honor

†With High Honor

COLLEGE OF SCIENCE AND ARTS

DEGREE OF BACHELOR OF ARTS (Continued)

*Patricia Consuella Morris	Psychology	*Allen Shulak	Philosophy
*Petrine Jane Nielsen	Social Science Divisional	Walter Steven Sobonya	Social Science Divisional
Terrance Michael Patrick	Art Practice	Linda Joyce Swain	French
Winifred Ruth Pierce	English	Vija Troms	Chemistry
Roberta Williamson Preston	Humanities	*Wally Devon Versaw	History
Lois Ann Pudvay	Social Science Divisional	James Joseph Walker	Social Science Divisional
Frederick William Rankin	Art Practice	Priscilla Carol Wedell	Art Practice
Mary Ann Schneider	Music Therapy	Edward Peyton Wilbur III	Psychology
Sharon Lynn Schott	Social Science Divisional	Anneliese Catherine Wood	Humanities
Gretchen Shortz	Social Science Divisional	Donald E. Zimmer	Social Science Divisional

DEGREES RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

BACHELOR OF ARTS

Barbara Ann Anderson	Art Education	*Rebecca Newth Harrison	English
Carolyn Anne Anthony	English	*Dorothy Jane Healy	Art Education
Richard Wesley Brown	History	John D. Kinne	History
Linda Carol Clarke	Spanish	Leona Lucille Lubieniecki	English
Sally Ann Curnalia	French	Marilyn Joanne Mahan	English
Lynn Keister Eleveld	English	Michael James McGovern	Mathematics
*William Cecil Ferguson	Social Science Divisional	Marjorie Edna Miller	Art Education
Joseph Michael Flinn	Social Science Divisional	Joan Antoinette Moore	History
*Georgia Beth Fuller	English	Sandra Jean Newton	History
Barbara Sue Gatward	History	Donald Lee Peters	History
Robert Edward Griffin	Social Science Divisional	Roxa Pumphrey	Social Science Divisional
Susan Kay Hajek	English	*Gary Richard Pyatt	Social Science Divisional
Gaynell VanWeelden Hamelink	Art Education	Barbara Anne Rogers	Art Education
Barbara Elaine Hammer	English	Peter Joseph Spagnuolo	Spanish
Jean Elizabeth Harris	History	Jean Conkey Tandy	Art Education
		Kay Maxine Weissman	Art Education

*With Honor

DEGREE OF BACHELOR OF SCIENCE

Patricia Elaine Anderson	<i>Mathematics</i>	Kwock Chung Loo	<i>Mathematics</i>
Tommy Roger Aultman	<i>Biological Science Divisional</i>	Samuel George Obourn	<i>Geology</i>
Richard Arnold Bimm	<i>Microbiology and Public Health</i>	Ira Rolland Purchis	<i>Mathematics</i>
Richard Peter Conway	<i>Mathematics</i>	Morteza Amir Rahimi	<i>Mathematics</i>
Karen Jill Figura	<i>Mathematics</i>	George Louis Reeder	<i>Biological Science Divisional</i>
Martin Anthony Galasso	<i>Mathematics</i>	James Welling Richards	<i>Mathematics</i>
Richard Heath Holmes	<i>Mathematics</i>	Hildegard Paula Richter	<i>Zoology</i>
Joseph Adam Ignatoski	<i>Botany and Plant Pathology</i>	Richard Francis Rohlman	<i>Physics and Astronomy</i>
*Barbara Cleo Jackson	<i>Mathematics</i>	Kenneth Richard Rollin	<i>Geology</i>
Neil Arthur Kaltman	<i>Biological Science Divisional</i>	Edward John Ryan, Jr.	<i>Mathematics</i>
Richard Dale Keefer	<i>Physics and Astronomy</i>	Richard Harold Shaw	<i>Zoology</i>
John Frederick Kelsey	<i>Physics and Astronomy</i>	Woodrow H. Snyder	<i>Zoology</i>
Thomas William Krasovic	<i>Mathematical and Physical Science Divisional</i>	Wayne Allan Stafford	<i>Mathematics</i>
George A. Lipscomb	<i>Physics and Astronomy</i>	Thomas Robert Williams	<i>Mathematics</i>
		Phillip Leo Woods	<i>Mathematics</i>

DEGREES RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

BACHELOR OF SCIENCE

Mary Jane Bourdo	<i>Mathematics</i>	Hans Artman Mercer	<i>Mathematics</i>
Kenneth George Campbell	<i>Mathematics</i>	Bud Lucius Rice	<i>Mathematics</i>
Diane Kay Goehringer	<i>Mathematics</i>	Jerry Paschall Simmons	<i>Biological Science Divisional</i>
*Peter C. Haase	<i>Mathematics</i>	*Nelson Lee Spoelman	<i>Mathematics</i>
Frederick Charles Huston	<i>Mathematical and Physical Science Divisional</i>	Loren Dale Wright	<i>Mathematics</i>
Robert Louis Lowen	<i>Mathematics</i>		

*With Honor

COLLEGE OF SCIENCE AND ARTS

DEGREE OF BACHELOR OF FINE ARTS

Mary Lucille Comstock	<i>Art</i>	Margaret Anne Sheldon	<i>Art</i>
Claire Grace Salzberg	<i>Art</i>	Albert Vasils	<i>Art</i>

DEGREE OF BACHELOR OF MUSIC

Corrine Mae Bowra	<i>Music</i>
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DEGREES RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

BACHELOR OF MUSIC

Carl Joseph Eberhard	<i>School Music</i>	*Cynthia Ann Mead	<i>School Music</i>
†Helen Jeanne Lucas	<i>School Music</i>		

DEGREE OF MASTER OF ARTS

Donald Charles Anderson	<i>History</i>	Richard Macfarlane Proctor	<i>Art</i>
Jacqueline Brophy	<i>History</i>	Joan Hitchcock Rich	<i>History</i>
Albert Maurice Brunelle III	<i>Art</i>	Bruce Anthony Riley	<i>Art</i>
Judith Marckwardt Getis	<i>Geography</i>	Mona Rosenberg	<i>Psychology</i>
Richard Foster Haines	<i>Psychology</i>	Walter John Schuldt	<i>Psychology</i>
Jean Martin Lanniel	<i>French</i>	Charles Robert Scott	<i>Psychology</i>
Joseph Robert Levine	<i>Psychology</i>	Frederick Wells Shepard	<i>Art</i>
Bartolomeo Martello	<i>Spanish</i>	David S. Silkiner	<i>Psychology</i>
James Peter Mathie	<i>Psychology</i>	Heraldo Pessoa Souto Maior	<i>Sociology and Anthropology</i>
John Wilson Palmer	<i>History</i>	Marcia Lou Williams	<i>History</i>
Kenneth Arthur Perkins	<i>Psychology</i>		

*With Honor

†With High Honor

DEGREE OF MASTER OF ARTS FOR TEACHERS

Donald Robert Habeck

Mathematics

Arthur Rashleigh Schubert

Social Science Divisional

DEGREE OF MASTER OF MUSIC

Albert Edward Szabo

Music Theory

DEGREE OF MASTER OF SCIENCE

Edward Christian Andress

Geology

Albert Ratner

Physiology

Bart Jacob Bremmer

Chemistry

Earl Clifford Renshaw, Jr.

Microbiology and Public Health

Yuk-Hang Cheuk

Chemistry

Satvir Singh Tevethia

Microbiology and Public Health

Alfred Lawrence Curry, Jr.

Chemistry

Richard Allen Dixon

Geology

James Edward Trosko

Zoology

Daniel Lee Hansen

Mathematics

Cesar Reyes Velasco

Mathematics

Larry C. Holcomb

Zoology

Joseph Eugene Wagner

Mathematics

William Kirschke

Geology

Herman Lecil Warren

Botany and Plant Pathology

John William McCloskey

Statistics

Kenneth Brant Yerrick

Chemistry

Arthur Ta-Shiang Pu

Mathematics

Charles McWilliams Randall

Physics and Astronomy

**COLLEGE
OF
BUSINESS AND PUBLIC SERVICE**

The candidates will be presented by **ASSOCIATE DEAN KULLERVO LOUHI**

**HONORS COLLEGE
DEGREE OF BACHELOR OF ARTS**

†Timothy Edward Durbin	<i>Accounting</i>	†Kennard Ray Weaver	<i>Accounting</i>
*Jerry Keith Myers	<i>Real Estate</i>		

DEGREE OF BACHELOR OF SCIENCE

*Roland L. Loomis	<i>Industrial Security Administration</i>	†Thomas Victor Tobias	<i>Law Enforcement Administration</i>
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DEGREE OF BACHELOR OF ARTS

Gerald Lester Abel	<i>Financial Administration</i>	Graham Christopher Bryce	<i>Financial Administration</i>
John David Alderink	<i>Purchasing</i>	Thomas Allan Burgoon	<i>Economics</i>
Scott Nichols Allen	<i>General Business Administration</i>	Gerald Leon Calkins	<i>Insurance</i>
Robert Eugene Andersen	<i>General Business Administration</i>	*Louis Edward Carlo	<i>Economics</i>
Constance Suzanne Arrington	<i>Social Work</i>	Louis Fauchere Chol, Jr.	<i>Restaurant Management</i>
David Arthur Atlee	<i>Hotel, Motel and Club Management</i>	Michael Anthony Conway	<i>Political Science</i>
Janet Sue Bachelor	<i>Personnel Administration</i>	Robert Adelbert Cook	<i>Purchasing</i>
John Stanley Beall	<i>Personnel Administration</i>	John Perry Cooper	<i>Food Marketing Management</i>
John Henry Bellegem	<i>Hotel, Motel and Club Management</i>	Conan Douglas Craker	<i>Production Administration</i>
Patrick Michael Broderick	<i>Production Administration</i>	John Davis Curren	<i>Economics</i>
Thomas J. Brown	<i>Restaurant Management</i>	*William Keith Dailey	<i>Social Work</i>
		Frank Erwin Doezema	<i>Economics</i>
		Thomas Michael Donaldson	<i>Economics</i>

*With Honor
†With High Honor

DEGREE OF BACHELOR OF ARTS (Continued)

Loren George Dragoo *Production Administration*Katherine Dorris Dunn
*General Business Administration*Jerry Warren Fellows
*Hotel, Motel and Club Management*Sergio Valentino Fornasiero
*General Business Administration*Raymond LaVern Freebury
*General Business Administration*Kenneth Lee Gertz *Production Administration*Robert Donald Gill
*Hotel, Motel and Club Management*Gregory Gowan Gillmor *Economics*Michael Robert Grow *Insurance*John James Halmo *General Business Administration*Robert Allan Hart *Personnel Administration*Harry James Harvey *Production Administration*Edward Hieftje III *General Marketing*Arthur David Outerbridge Hodgson *Economics*William Richard Homicz
*General Business Administration*Ernest Lou Hoos *Economics*Paul Allen Hrisko *General Business Administration*Jon Hudanish *Political Science*Charles Watson Jennings, Jr.
*General Business Administration*Frederick Louis Johnson
*Hotel, Motel and Club Management*Jerome Gustav Kaspar *Restaurant Management*Ellison Lamar Kelly
*General Business Administration*Robert Arthur Kempf *General Marketing*Amasa Rust Kessel *Production Administration*Warren Logan Kimble *Food Marketing*Edward Lark *Economics*Bruce Rankin Lindstrom
*General Business Administration*Thomas William Lloyd *Production Administration*William Laurence Loose *General Marketing*William Lewis Lopshire *Economics*Alexander Charles Mannino
*Restaurant Management*Samuel Margosian *General Business Administration*Charles Dean Marolf *Retailing Administration*Ernest Dean Marshall *Production Administration*Charles Edward Marvin
*General Business Administration*Albert Joseph Matousek, Jr.
*Hotel, Motel and Club Management*James Sigurd Matteson *Political Science*Jack G. Mayo *General Business Administration*John Lee McCray, Jr. *Social Work*Dennis Patrick McDonald *Accounting*Jerry Brent McKeever *Food Marketing Management*James Franklin McWhorter
*Hotel, Motel and Club Management*George Antoine Mercier
Hotel, Motel and Club Management

COLLEGE OF BUSINESS AND PUBLIC SERVICE

DEGREE OF BACHELOR OF ARTS (Continued)

Gene Owen Miller	<i>Production Administration</i>	David Watson Smith	<i>Economics</i>
Kenneth Alfred Miller	<i>Production Administration</i>	Robert Frank Sochor	<i>Production Administration</i>
Richard Edmond Miller	<i>Political Science</i>	Frank John Stangel	<i>General Marketing</i>
Robert Eugene Moak	<i>Production Administration</i>	Richard Lee Tomecek	<i>Economics</i>
Richard G. Morrison	<i>General Business Administration</i>	Paul Henry Trevarrow	<i>General Marketing</i>
Edward Hawley Moyer	<i>Accounting</i>	Charles Leaming Tutt IV	<i>Hotel, Motel and Club Management</i>
*David Lee Neal	<i>Social Work</i>	Christopher Michael Valentine	<i>Production Administration</i>
Harold Howard Noble	<i>Economics</i>	James Peter Van Lith	<i>General Marketing</i>
Richard Russell Notte	<i>General Business Administration</i>	Ronald Field Van Steeland	<i>Personnel Administration</i>
Philip Bruce Novak	<i>Production Administration</i>	Andrew Charles Wadaga	<i>Production Administration</i>
James George Panks	<i>Economics</i>	Dennis Blaine Warner	<i>General Marketing</i>
William Henry Pavlick, Jr.	<i>Production Administration</i>	Robert Allen Weisflog	<i>Hotel, Motel and Club Management</i>
Dalton Anthony Roberson	<i>Political Science</i>	*Karl Gerhard Weiss	<i>Economics</i>
Frederick Charles Rupp	<i>General Business Administration</i>	*James Ross Wetzell	<i>Economics</i>
Thomas Anthony Saba	<i>Hotel, Motel and Club Management</i>	Glen Carter Wideman	<i>Political Science</i>
William Sante	<i>Financial Administration</i>	Ronald Frederic Willis	<i>Accounting</i>
Larry Jo Schneider	<i>General Marketing</i>	Lee Allan Witt	<i>Economics</i>
Delbert Peter Schroff	<i>Hotel, Motel and Club Management</i>	James Edward Wolf	<i>General Marketing</i>
James Michael Seaver	<i>General Business Administration</i>	Robert Theodore Wolter	<i>Hotel, Motel and Club Management</i>
Daniel Patrick Sheedy	<i>General Business Administration</i>	Edward Daniel Woodruff	<i>Production Administration</i>
Matthew Andrew Silvester	<i>Transportation Administration</i>	Michael Yerigian	<i>General Business Administration</i>
		Kenneth Walter Zacks	<i>Hotel, Motel and Club Management</i>

*With Honor

DEGREE OF BACHELOR OF SCIENCE

Gerald Wallace Ayres *Correctional Administration*
 James Frank Baker *The Prevention and Control of Delinquency and Crime*
 Bruce Carter Brown *Urban Planning*
 James Allen DeWitt *Landscape Architecture*
 Leslie David Dyer *Correctional Administration*
 Harold Wayne Fulton, Jr.
Law Enforcement Administration
 Carl Arthur Hakenen, Jr.
Law Enforcement Administration
 Thomas Eugene Haney
Law Enforcement Administration
 Walter Lowell Harry
Industrial Security Administration
 Robert George Helmic *Landscape Architecture*
 William Murray Herbst, Jr.
Law Enforcement Administration
 Richard Phillip Kelley *Urban Planning*
 *Thomas LeRoy Kramer
Law Enforcement Administration
 Charles Ignazio Maltese
Highway Traffic Administration
 James Daniel McKay
Law Enforcement Administration

James Andrew Mills
Law Enforcement Administration
 Francis O'Neil Morris
Law Enforcement Administration
 Stanley John Niemala *The Prevention and Control of Delinquency and Crime*
 Kenneth Alan Noorman *Urban Planning*
 Robert Benjamin Safreed
Law Enforcement Administration
 Richard Glen Smith
Law Enforcement Administration
 David Eldon Stormer
Law Enforcement Administration
 James L. Supinger *Urban Planning*
 Garry Connell Switzer *Landscape Architecture*
 August Nathaniel Teschendorf
Law Enforcement Administration
 Orville Altman Thiel
Law Enforcement Administration
 Martin Richard Van Valkenburg
Landscape Architecture
 Charles Thomas Zboril
Law Enforcement Administration

DEGREE OF MASTER OF ARTS

Braulio Jesus Adarmes *Economics*
 Earl Francis Broihier *Business Administration*

Albert Rodney Cochrane *Accounting*
 Donald Edgar Firth *Business Administration*

*With Honor

COLLEGE OF BUSINESS AND PUBLIC SERVICE

DEGREE OF MASTER OF ARTS (Continued)

Kiyoshi Hara	<i>Economics</i>	Daniel Roche O'Connor, Jr.	<i>Business Administration</i>
David Anthony Kamm	<i>Business Administration</i>	William Earle Robinson	<i>Business Administration</i>
Robert Eugene Kohnen	<i>Business Administration</i>	John F. Waanders	<i>Business Administration</i>
Mathias Kaggwa-Lukabazi Lubega	<i>Political Science</i>		
Arnold Martin Marcus	<i>Economics</i>		

DEGREE OF MASTER OF BUSINESS ADMINISTRATION

Martin Joseph Allen, Jr.	<i>Marketing</i>	Edgar Carroll Frank, Jr.	<i>Marketing</i>
Gordon Neal Bard	<i>Transportation</i>	Herbert Emmo Grommeck	<i>Personnel and Human Relations</i>
Walter Ronald Barnes	<i>Business Administration</i>	Phillip Eugene Hassler	<i>Accounting</i>
Gordon Neathery Beacham	<i>Accounting</i>	Phillip Helme Healy	<i>Production Administration</i>
Karakian Bedrosian	<i>Business Administration</i>	Allan Terry Kaplan	<i>Personnel and Human Relations</i>
Frederick Arthur Bennett	<i>Business Administration</i>	Betty Lou Mertz	<i>Business Administration</i>
William Carl Boehm III	<i>Marketing</i>	Daniel Lewis Popoff	<i>Accounting</i>
David George Bowersox	<i>Business Administration</i>	Joseph Peter Pozza	<i>Hotel, Restaurant and Institutional Management</i>
Harold Euclid Collins	<i>Transportation</i>	LaVerne Frank Skaryd	<i>Marketing</i>
Neil Bernard Cousino	<i>Marketing</i>	Antonio Carlos Vitiello	<i>Financial Administration</i>
John Bryn Davies	<i>Personnel and Human Relations</i>	James Edward Wilkes	<i>Personnel and Human Relations</i>
Chester Paul Davis	<i>Marketing</i>		
Richard Rymer Fordyce	<i>Marketing</i>		

DEGREE OF MASTER OF SCIENCE

Eleftherios Sotirios Kanellakis	<i>Police Administration</i>	Carl Oscar Swanson, Jr.	<i>Police Administration</i>
Somboon Limsong	<i>Police Administration</i>		

DEGREE OF MASTER OF URBAN PLANNING

Najati Irbahim El-Imam

Urban Planning

William George Kweder

Urban Planning

COLLEGE
OF
EDUCATION

The candidates will be presented by ACTING DEAN WILLIAM B. HAWLEY

HONORS COLLEGE

DEGREE OF BACHELOR OF ARTS — *Elementary Education*

†Linda Anne DeBruyn

DEGREE OF BACHELOR OF ARTS — *Elementary Education*

Lois Margaret Allen

Lorraine M. Kirkeeng

Grace Lynne Bates

Mary Ann Koenig

Judith Anne Brundage

Eugenia M. Lambros

Joan Alice Schuster Campbell

Constance Clark Lauderback

Kathryn Ann Christensen

†Margaret Jean Malette

Virginia Ann Christman

Jeanette Elizabeth Mange

Pauline Ann Diamond

Paula Brenda Markey

*Sandra Jen Eiker

Mary Hassler McConnell

Virginia Ann Forsman

†Beverly Jean Mike

Janice Marie Gase

Rosalie Mae Ames Munro

*Judy Gay Hall

Edith Felton Parks

Sara Louise Hooper

*Elizabeth Ann Reif

Beth Ann Jennings

Sandra Lee Rogers

Kay Ellen Joines

Joni Delevitt Rosen

*With Honor

†With High Honor

COLLEGE OF EDUCATION

DEGREE OF BACHELOR OF ARTS — Elementary Education (Continued)

Priscilla Lou Shaver	JoAnn Elizabeth Sweeney
Marjorie Grace Sheneman	Catherine P. Truog
Jane Dorsey Slaughter	Barbara Elizabeth Turner
Yvonne Elaine Smith	Kay Lysbeth Turner
Michaellea Sussex	Joyce Marie VanDeVelde
*Sharon Louise Sutton	Marjorie Ann Wentworth

DEGREE OF BACHELOR OF SCIENCE

Frederick Vincent Arbanas	<i>Physical Education</i>	George Lawrence Jones	<i>Physical Education</i>
Gail Ann Blamy	<i>Physical Education</i>	David Walter Kittell	<i>Physical Education</i>
Julie Clement Brittain	<i>Physical Education</i>	David Michael Lantz	<i>Physical Education</i>
David Lathrop Coombs	<i>Physical Education</i>	Richard Florenz Lutzke	<i>Industrial Arts</i>
Susan Carol Dhooge	<i>Physical Education</i>	Annette Bernadette Salerno	<i>Physical Education</i>
Wayne Howard Fontes	<i>Physical Education</i>	Carrol Frances Spaetzel	<i>Recreation - Youth Organization Leadership</i>
Stuart Eugene Galbraith	<i>Industrial Arts</i>	Leon Edward Stille	<i>Physical Education</i>
Kenneth Walter Gest	<i>Physical Education</i>	George Michael Walker	<i>Physical Education</i>
Frederic Brian Guenther	<i>Physical Education</i>	Marlene May Walter	<i>Physical Education</i>
John Michael Hart	<i>Physical Education</i>	*Jo Ann Westphal	<i>Physical Education</i>
Paul Eugene Jolly	<i>Industrial Arts</i>		

DEGREE OF MASTER OF ARTS — *Education*

Charles Stanley Albeck	Harold Milton Bergsma
George Eldon Anderson	Jack C. Bignall
James Robert Appleton	Lloyd Vincent Bishop

*With Honor

DEGREE OF MASTER OF ARTS — Education (Continued)

Anthony Wayne Blagg

Esther Marie Bourziel

Harold George Bowden

Joseph Charles Bradley

Maryann Hard Brown

Nancy Ann Brown

Gerald Edward Chapman

Robert John Church

Marguerite Harvey Cimock

Adelaide Louise Converse

Walter Harold Cox

Robert Allen Ebersol

Oral M. Esch

Leon Norman Fox

Eugene Wesley Friesen

Patricia Wight Geyer

Aaron Culver Hall

Walter Harris, Jr.

Anne Lienhard Heinsohn

Richard Arthur Holmes

Edward Paul Kelbel

Robert L. Kirkpatrick

Erdine Marvel Krueger

Ford E. Longendyke

Patricia Ann McGlashen

James Francis McNeal

Dale Harvey Messerschmidt

William Robert Morkam

Martha Faucette Nelson

Ruth A. Nelson

Gary Patrick Nerbonne

Rebecca Riddick Neuman

James Philip Newell

Paul Donald Newman

Donald David Olson

John Patrick O'Shea

Valerie Louese Radee

William Copeland Rogers

Jan VanDuzer Rohrs

Ruth Dalman Roos

Earl Robert Rose

Thomas Leonard Schenk

Joy Estelle Scott

Roy William Smeltz

Lawton Kenneth Smith

Clyde Kernick Stephens, Jr.

George Henry Stewart

Maurice Edward Strong

Walter Leroy Stump

Robert Edward Swett

COLLEGE OF EDUCATION

DEGREE OF MASTER OF ARTS — Education (Continued)

Harold William Rasho Tate

Clarence C. Wills

Georgia Mary Theodosen

William Stannard Wilson

Michael Richard Valvo

Rose Arlene Wolters

Crystal B. VanAnrooy

Richard Gary Woudstra

Louis Eli Vander Ploeg

Andrew Arnold Wuotila

David Lavern Voorhees

COLLEGE
OF
COMMUNICATION ARTS

The Candidates will be presented by DEAN FRED S. SIEBERT

HONORS COLLEGE

DEGREE OF BACHELOR OF ARTS

*Judith Helen Turner

Advertising

DEGREES RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

BACHELOR OF ARTS

†Susan Louise Wilson

Speech

DEGREE OF BACHELOR OF ARTS

Walter Berwill Archer, Jr.

Advertising

James Ronald Castell

Television and Radio

Terry Allen Arnold

Television and Radio

Lawrence T. Cox

Journalism

Dixie Dee Bates

Journalism

Howard William Gates

Television and Radio

Marian Dawn Bishop

Advertising

Ryoichi Hara

Television and Radio

Frederic Henry Brack

Advertising

*Nicholas Platt Howey

Speech

Morton William Butzen

General Communication Arts

*With Honor

†With High Honor

DEGREE OF BACHELOR OF ARTS (Continued)

Robert Bruce Jones	<i>Journalism</i>	J. Keith Snyder	<i>General Communication Arts</i>
Sheila Grace Knight	<i>Journalism</i>	Robert Lewis Spangler	<i>Television and Radio</i>
Stephanie Jarvis Kraft	<i>Television and Radio</i>	William Hazard Steiner	<i>General Communication Arts</i>
Donald John Murray	<i>Advertising</i>	Charles Gordon Unseld	<i>Speech</i>
Shelly Van Robinson	<i>Advertising</i>	Marcia Eugenie Van Ness	<i>Journalism</i>
Sharon Suzanne Robison	<i>Journalism</i>	John Taylor Wardlaw	<i>Advertising</i>
Curtis George Rundell II	<i>Journalism</i>	Keun Youn	<i>Journalism</i>
Robert Sherwood	<i>Television and Radio</i>		

DEGREES RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

BACHELOR OF ARTS

Linne Marie Franzen	<i>Speech</i>	James Frederick Pepper	<i>Speech</i>
Judith Ruth Levine	<i>Speech</i>	Marcia Louise Wendt	<i>Speech</i>

DEGREE OF MASTER OF ARTS

Ann Marie Joergenson	<i>Speech</i>	Robert William Paige	<i>Speech</i>
Shyam Latha	<i>Advertising</i>		

SCHOOL FOR ADVANCED GRADUATE STUDIES

The candidates will be presented by DEAN MILTON E. MUELDER

DIPLOMA FOR ADVANCED GRADUATE STUDY

- | | |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Alfred Lavern Clark | A.B., Western Michigan University; M.A., University of Michigan.
Education. <i>Major Professor:</i> D. J. Leu, Associate Professor. |
| Murl Byron Connor | B.S., Western Michigan University; M.A., Michigan State University.
Education. <i>Major Professor:</i> W. H. Roe, Professor. |
| Robert Vermeulen | B.S., Western Michigan University; M.S., University of Michigan.
Education. <i>Major Professor:</i> D. J. Leu, Associate Professor. |
| Morley G. Webb | A. B., Alma College; A.M., University of Michigan.
Education. <i>Major Professor:</i> D. J. Leu, Associate Professor. |

CANDIDATES FOR THE DOCTORAL DEGREES

- | | |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Austin Francis Bates, Ed.D. | B.A. Hillsdale College; M.S., University of Michigan.
Education. <i>Major Professor:</i> W. H. Roe, Professor.
<i>Thesis:</i> An Analysis of Doctoral Research in the School Business Management Field During the 1950-1960 Decade. |
| Richard Joseph Bonier, Ph.D. | A.B., Harvard University; M.A., Michigan State University.
Psychology. <i>Major Professor:</i> A. I. Rabin, Professor.
<i>Thesis:</i> Relationships of Psychosomatic States to Emotional Disturbance and Diffuse Autonomic Activity. |
| Roger Keith Bretthauer, Ph.D. | A.A., Blackburn College; B.S., M.S., University of Illinois.
Biochemistry. <i>Major Professor:</i> R. G. Hansen, Professor.
<i>Thesis:</i> Accessing Heterozygosity for Galactosemia by Enzymatic Means. |
| Arnold Stanley Carson, Ph.D. | B.A., M.A., Michigan State University.
Education. <i>Major Professor:</i> W. W. Farquhar, Associate Professor.
<i>Thesis:</i> A Pilot Study of Agreement on Issues and Their Perceived Importance Among Maritally Adjusted and Maladjusted Couples. |

CANDIDATES FOR THE DOCTORAL DEGREES (Continued)

- Jerry L. Chiddister, Ph.D. B.S., Tri-State College; M.S., Michigan State University.
Applied Mechanics. *Major Professor:* L. E. Malvern, Professor.
Thesis: An Experimental Study of Aluminum at High Strain Rates and Elevated Temperatures.
- Richard Lee Cooper, Ph.D. B.S., Purdue University; M.S., Michigan State University.
Farm Crops. *Major Professor:* F. C. Elliott, Professor.
Thesis: Identification and Inheritance of Flower Pigments in Diploid *Medicago* species.
- James Lee Corbin, Ph.D. B.A., Bowling Green State University.
Chemistry. *Major Professor:* H. Hart, Professor.
Thesis: I. Alkylation of Phenol with a Homoallylic Chloride.
II. Conformations of Some Seven-Membered Rings.
- Salil Kumar Das, Ph.D. B.S., College of Engineering and Technology, Bengal, Jadavpur, India; M.S., University of Notre Dame.
Applied Mechanics. *Major Professor:* G. E. Mase, Associate Professor.
Thesis: The Effect of Rotatory Inertia on the Vibration Frequencies of Beams and Plates.
- John T. Dietrich, Ph.D. B.S., M.S., Ohio State University.
Dairy. *Major Professor:* W. W. Snyder, Associate Professor.
Thesis: Behavioral Patterns in Dairy Cattle as Affected by Management.
- William Jay Donaldson, Jr., Ph.D. A.B., King College; B.D., Th.M., Columbia Theological Seminary; M.S., University of Tennessee.
Education. *Major Professor:* J. E. Jordan, Assistant Professor.
Thesis: An Investigation of Graduate Pastoral Counselling Programs in Selected Secular Universities and Schools of Theology.
- George William Ferns, Ph. D. B.S., Northern Michigan College; M.E., Wayne University.
Education. *Major Professor:* L. Borosage, Professor.
Thesis: Principles for Designing and Conducting Learning Experiences for Improving Problem-Solving Abilities as Applied to Industrial Arts Teaching.

SCHOOL FOR ADVANCED GRADUATE STUDIES

CANDIDATES FOR THE DOCTORAL DEGREES (Continued)

- Gordon Lynn Galloway, Ph.D. B.S., Franklin and Marshall College.
Chemistry. *Major Professor:* H. A. Eick, Assistant Professor.
Thesis: Investigations into the Preparation and Decomposition of Samarian
Tetraboride and Samarium Hexaboride.
- Theodore James Goering, Ph. D. B.S., Kansas State University; M.S., Michigan State University.
Agricultural Economics. *Major Professor:* D. E. Hathaway, Professor.
Thesis: United States Agricultural Surplus Disposal in Colombia.
- Charles Henry Hartman, Ed.D. B.S., Millersville State Teachers College; M.A., Michigan State University.
Education. *Major Professor:* W. A. Mann, Professor.
Thesis: Teacher Preparation Programs in Driver Education in Colleges and
Universities of the United States.
- Wayne Edward Henry, Ph.D. B.S., University of Idaho; M.S., Michigan State University.
Food Science. *Major Professor:* L. J. Bratzler, Professor.
Thesis: The Anabolic Response of Swine to 4-Hydroxy-17-Alpha-Methyltes-
tosterone and Relationships Between Chemical and Physical Character-
istics of Pork Carcasses.
- Jack Russel Hoffert, Ph.D. B.S., M.S., Michigan State University.
Physiology. *Major Professor:* P. O. Fromm, Assistant Professor.
Thesis: *In Vitro* Uptake of Hexavalent Chromium by RBC, Liver and Kidney
Tissue of the Turtle.
- Herbert John Hopen, Ph.D. B.S., M.S., University of Wisconsin.
Horticulture. *Major Professor:* S. K. Ries, Associate Professor.
Thesis: Environmental Factors Affecting the Growth of *Cucumis sativus* L.,
with Special Reference to Carbon Dioxide.
- James Robert Howenstine, Ph.D. B.S., Purdue University.
Microbiology and Public Health. *Major Professor:* C. L. San Clemente,
Professor
Thesis: Nutritional Studies of *Clostridium tetani* in Relation to Tetanus
Production.

SCHOOL FOR ADVANCED GRADUATE STUDIES

CANDIDATES FOR THE DOCTORAL DEGREES (Continued)

- Woodland Hurtt, Ph.D. B.S., M.S., University of Maryland.
Farm Crops. *Major Professor:* C. R. Olien, Assistant Professor.
Thesis: The Mobility and Distribution of 2,4-Dichlorophenoxyacetic Acid in
Canada Thistle.
- Aminul Islam, Ph.D. B.S., M.S., Dacca University.
Soil Science. *Major Professor:* L. S. Robertson, Associate Professor.
Thesis: The Yield and Chemical Composition of Soybeans as Affected by
Widely Varying Nutrient Levels.
- Hugh Swaney Johnson, Ph.D. B.S., Iowa State College; M.S., Michigan State University.
Poultry Science. *Major Professor:* H. C. Zindel, Professor.
Thesis: Comparisons Between Pullets Housed in Cages on a Slatted Floor
and on a Litter Floor.
- Arvydas Joseph Kliore, Ph.D. B.S.E.E., University of Illinois; M.S.E., University of Michigan.
Electrical Engineering. *Major Professor:* H. E. Koenig, Professor.
Thesis: Evaluation of the Weighting Function of a Linear System by the
Method of Deconvolution.
- Lee Virn Leak, Ph.D. B.S., State Agricultural and Mechanical College.; M.S., Michigan State
University.
Botany and Plant Pathology. *Major Professor:* G. B. Wilson, Professor.
Thesis: An Electron Microscopic Analysis of the Time Structure of Meres-
tematic Cells During the Mitotic Cycle in *Pisum sativum*.
- Walter Smith Lowell, Ed.D. B.A., B.S., Western Michigan University; M.A., University of Michigan.
Education. *Major Professor:* R. Webster, Professor.
Thesis: The Effect of a Limited Exercise Program on the Post-Exercise Pulse
Rate of Male College Freshmen.
- Lloyd Oscar Luedecke, Ph.D. B.S., Montana State University; M.S., Michigan State University.
Food Science. *Major Professor:* L. G. Harmon, Professor.
Thesis: The Influence of Milk Fat on the Thermal Resistance of *Pseudomonas*
fragi.

SCHOOL FOR ADVANCED GRADUATE STUDIES

CANDIDATES FOR THE DOCTORAL DEGREES (Continued)

- Vincent James Mannoia, Ph.D. B.D., Asbury Theological Seminary; M.A., Michigan State University.
Education. *Major Professor:* J. E. Jordan, Assistant Professor.
Thesis: A Pilot Analysis of the Preferences of Liberal and Conservative Ministers Toward Directive and Non-Directive Responses in the Pastor-Parishoner Counselling Relationship.
- Robert Joseph McClanahan, Ph.D. B.A., McMaster University; M.S., University of Western Ontario.
Entomology. *Major Professor:* G. E. Guyer, Professor.
Thesis: The Role of Insects in the Epidemiology of Cucumber Mosaic Virus.
- Robert Paul Poland, Ph.D. B.S., Bowling Green State University; M.A., Columbia University.
Education. *Major Professor:* P. G. Hines, Associate Professor.
Thesis: Implication of Social, Economic, and Technical Trends on Business Programs in the Public Community Colleges of Michigan.
- B. Basava Raju, Ph.D. B.S., University of Mysore, India; M.S., Michigan State University.
Applied Mechanics. *Major Professor:* W. A. Bradley, Professor.
Thesis: Bending and Vibration in Plates of Variable Thickness.
- Herbert Bowers Rickert, Ph.D. B.S., Franklin and Marshall; M.S., Michigan State University.
Chemistry. *Major Professor:* R. L. Guile, Associate Professor.
Thesis: The Ortho Alkylation of Phenols with Aromatic Alcohols in the Presence of p-Toluene-sulfonic Acid.
- Ward James Rudersdorf, Ph.D. B.S., Wisconsin State College; M.S., Utah State Agriculture College.
Fisheries and Wildlife. *Major Professor:* R. H. Baker, Professor.
Thesis: Canada Goose Investigations in the Vicinity of the W. K. Kellogg Bird Sanctuary.
- Felixberto Cangco Sta. Maria, Ph.D. B.S.E., University of the Phillipines; M.A., Stanford University.
General Communication Arts. *Major Professor:* M. S. MacLean, Jr., Associate Professor.
Thesis: An Analysis of the Audience of *Pilgrim's Progress*.

CANDIDATES FOR THE DOCTORAL DEGREES (Continued)

- Charles Edward Schomaker, Ph.D. B.S.F., M.F., Pennsylvania State University.
Forestry. *Major Professor:* V. J. Rudolph, Associate Professor.
Thesis: Nutritional-Ecological Relationships Affecting Height Growth of Planted Yellow-Poplar (*Liriodendron tulipifera* L.) in Southwestern Michigan.
- Ray Richard Searle, Ph.D. B.A., Wheaton College; B.D., Princeton Theological Seminary; Th.M., Northern Baptist Seminary.
Education. *Major Professor:* J. E. Jordan, Assistant Professor.
Thesis: A Study of the Stability of Vocational Values as Measured by the Vocational Value: Inventory.
- Henry L. Short, Ph.D. B.S., Swarthmore College; M.S., John Hopkins University.
Fisheries and Wildlife. *Major Professor:* G. A. Petrides, Professor.
Thesis: A Comparison of Some Aspects of the Nutrition of the White-Tailed Deer and the Domestic Cow.
- Richard Joseph Simmons, Ph.D. B.S., Michigan State University; M.S., University of Pittsburgh.
Microbiology and Public Health. *Major Professor:* R. N. Costilow, Professor.
Thesis: Glucose Metabolism of Cells, Spores and Germinated Spores of *Clostridium botulinum*.
- William Randall Sleeper, Ed.D. B.S., Central Michigan College; M.A., Michigan State University.
Education. *Major Professor:* W. V. Hicks, Professor.
Thesis: A Study of the Relationship between Selected Background Factors of Student Teachers and Pupil Opinion of Certain Teaching Traits.
- David Hollingsworth Spaeth, Ph.D. B.S., University of Kentucky; M.S., Michigan State University.
Agricultural Economics. *Major Professor:* J. D. Shaffer, Professor.
Thesis: The Determination of Price by Negotiation in Agricultural Markets.
- Sister M. Clarus Strouth, O.S.F., Ph.D. B.A., College of St. Theresa; M.S., University of Minnesota.
Chemistry. *Major Professor:* L. L. Quill, Professor.
Thesis: Thermal Decomposition of Yttrium, Scandium and the Heavy Lanthanon Oxalates and Carbonates.

SCHOOL FOR ADVANCED GRADUATE STUDIES

CANDIDATES FOR THE DOCTORAL DEGREES (Continued)

- Edward Joseph Stry, Ed.D. B.A., Canisuis College; Ed.M., University of Buffalo.
Education. *Major Professor:* W. H. Roe, Professor.
Thesis: The Admission Policies of the Junior Colleges for the Terminal and the Transfer Student; and the Characteristics of Differential Provisions for the Two Types of Students.
- Curt Thies, Ph.D. B.S., M.S., Western Michigan University.
Chemistry. *Major Professor:* J. B. Kinsinger, Associate Professor.
Thesis: Inorganic Condensation Reactions. I Stannosiloxane Formation.
- John Alexander Wagner, Ph.D. B.S., Southern University; M.S., Duquesne University.
Zoology. *Major Professor:* R. A. Fennell, Professor.
Thesis: Gross and Microscopic Anatomy of the Digestive and Urinary Systems and Histology of the Reproductive System of the Nutria, *Myocastor Coypus Bonariensis* (Geoffroy).
- James Eugene Wall, Sr., Ph.D. B.S., Louisiana State University; M.S., Iowa State University.
Education. *Major Professor:* G. E. Timmons, Associate Professor.
Thesis: The Utilization of Michigan State University Agricultural Publications in Selected Vocational Agriculture Activities.
- George Yoon Man Won, Ph.D. B.A., M.A., University of Hawaii.
Sociology and Anthropology. *Major Professor:* W. A. Faunce, Associate Professor.
Thesis: Democratic Sentiments in Unionism: A Case Study of the U.A.W. International Convention.

