The Fall Commencement of Michigan State University
The Fall Commencement of Michigan State University
ACADEMIC COSTUME

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

In 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 departments of study by tassels of the official department colors as established by the Intercollegiate Code.

| COLLEGE OF AGRICULTURE |  . Maize         |
| Forest Products, Forestry, Packaging |  . Russet         |
| COLLEGE OF ARTS AND LETTERS |  . White          |
| Music |  . Pink          |
| Philosophy |  . Navy Blue     |
| COLLEGE OF BUSINESS |  . Drab          |
| COLLEGE OF COMMUNICATION ARTS |  . Royal Blue     |
| Journalism |  . Crimson       |
| Speech |  . Silver Gray   |
| COLLEGE OF EDUCATION |  . Light Blue     |
| COLLEGE OF ENGINEERING |  . Orange        |
| COLLEGE OF HOME ECONOMICS |  . Maroon        |
| COLLEGE OF NATURAL SCIENCE |  . Golden Yellow |
| Nursing |  . Apricot       |
| COLLEGE OF SOCIAL SCIENCE |  . Citron        |
| Economics |  . Copper        |
| COLLEGE OF VETERINARY MEDICINE |  . Dark Gray     |
ORDER OF CEREMONIES

PROCessional

Academic ProCessional

Michigan State University Band — Professor Leonard Falcone, Director

AMERICA

My country, 'tis of thee,
Sweet land of liberty,
Of thee I sing;
Land where my fathers died;
Land of the pilgrims' pride;
From every mountain side
Let freedom ring.

INvOCATION

The Reverend Edward A. Roth
Rector, All Saints' Episcopal Church

ADDRESS

Samuel Miller Brownell, Ph.D., Ed.D., LL.D., Ph.D.
Superintendent of Public Schools, Detroit

CONFERRING OF DEGREES

President, Michigan State University

ALMA MATER

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

BENEDICTION

The Reverend Mr. Roth

RECESSIONAL

The Host of Youth

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.
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, Chairman . . . . . 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. VANDERFLOEG . . . . . . . . North Muskegon

THE HONORABLE LYNN M. BARTLETT, Ex Officio . . . . . Lansing
JOHN A. HANNAH, Ex Officio, President . . . . . . . . . East Lansing
JACK BRESLIN, Secretary . . . . . . . . . . . . . . . . East Lansing
PHILIP J. MAY, Treasurer . . . . . . . . . . . . . . . . East Lansing
Michigan State University, one of the leading land-grant universities and the first agricultural college in America, strives for excellence in affording liberal and practical education for its students in a broad range of human endeavors.

MSU also serves people of the state, nation and world through its numerous research, extension and international programs.

Now in its 108th year, Michigan State University has grown from 3 buildings and 6 faculty members to 1 of the 10 largest universities in the nation. It has approximately 2,500 staff members engaged in teaching, research and public service, 422 buildings, and 4,250 acres of land, including 960 acres in the campus and housing area and 900 more in planned development.

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 10 colleges—Agriculture, Arts and Letters, Business, Communication Arts, Education, Engineering, Home Economics, Natural Science, Social Science, Veterinary Medicine—and the School for Advanced Graduate Studies, and offers approximately 200 areas of specialization at the undergraduate level and 275 at the 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 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.

Through fast-growing research programs in all colleges and the Agricultural Experiment Station, Michigan State University is adding to mankind’s store of fundamental knowledge and paving the way for development of new products. Matching and complementing this growth has been an equally rapid growth of the graduate program, which now has an enrollment exceeding 4,000.

Benefits of the University are brought to every county in Michigan by the Cooperative Extension Service and the Continuing Education Service. Their programs, both on campus and in local communities, provide many kinds of technical information and formal course work for hundreds of thousands of Michigan citizens.

Today, more than 25,000 students from Michigan and other states and from nations all over the world are attending the University at East Lansing—about 14,000 of whom are housed on the campus proper. With about 79 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 and research, Michigan State University has proved its worth to the people of the State of Michigan. 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

<table>
<thead>
<tr>
<th>Candidate Name</th>
<th>Major</th>
<th>Candidate Name</th>
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<td>Ronald George Bernhard</td>
<td>Forestry</td>
<td>Richard Allan Morgan</td>
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<td>James Arthur Biener</td>
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<td>Robert Mathew Nicol</td>
<td>Residential Building</td>
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<td>Stephen Joseph Chismar III</td>
<td>Wood Processing and Technology</td>
<td>Leland John Owen</td>
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<td>Roy Harvey Elsworth</td>
<td>Agricultural Mechanics</td>
<td>Thomas Stockwell Pouch</td>
<td>Animal Husbandry</td>
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<td>Alfred Sullivan Farr</td>
<td>Residential Building</td>
<td>Richard Daniel Radowicz</td>
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<td>Roger Wilbert Godfrey</td>
<td>Agricultural Mechanics</td>
<td>Paul Eldon Randolph</td>
<td>Floriculture</td>
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<td>Stephen William Hale</td>
<td>Packaging</td>
<td>Robert J. Scranton</td>
<td>Forestry</td>
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<td>John Robert Hesselink</td>
<td>Food Science</td>
<td>Albert Raymond Serpa</td>
<td>Forestry</td>
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<td>Ernest Louis Hester, Jr.</td>
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<td>Robert Harry Shatney</td>
<td>Packaging</td>
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<td>Robert Arthur Hirsch, Jr.</td>
<td>Wood Processing and Technology</td>
<td>Paul Joseph Shereda</td>
<td>Forestry</td>
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<tr>
<td>O. Eugene Holleque</td>
<td>Packaging</td>
<td>Frederick Carl Shiery</td>
<td>Animal Husbandry</td>
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<tr>
<td>Carlos Blocher Jagoe, Jr.</td>
<td>Lumber and Building Materials Merchandising</td>
<td>Gregory Morse Shoop</td>
<td>Lumber and Building Materials Merchandising</td>
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<td>Alfred Jay Johnson</td>
<td>Forestry</td>
<td>Paul Walter Simon</td>
<td>Pomology and Vegetable Production</td>
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<td>Herbert Marshall Johnson</td>
<td>Park Management</td>
<td>Richard Carl Smith</td>
<td>Mobile Homes</td>
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<td>Thomas Arthur Kornoeije</td>
<td>Fisheries and Wildlife</td>
<td>Jerry Lynn Spangler</td>
<td>Park Management</td>
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<td>Alwin William Kulenkamp</td>
<td>Poultry Science</td>
<td>John Julius Staack</td>
<td>Floriculture</td>
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<td>Russell Samuel Lincoln</td>
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<td>James Prescott Stimson</td>
<td>Packaging</td>
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<tr>
<td>David Francis Manders</td>
<td>Packaging</td>
<td>Valentine Sue Sutherland</td>
<td>Poultry Science</td>
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<td></td>
<td>Richard Lee Volkamer</td>
<td>Horticulture</td>
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*With Honor*
DEGREE OF BACHELOR OF SCIENCE (Continued)

James David Walcutt  
Soil Science  
Robert Allen Young  
Forestry

Gary Howard Ward  
Packaging  
Walter Zaremba  
Residential Building

Gerald Patrick Williams  
Lumber and Building Materials Merchandising

DEGREE RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

BACHELOR OF SCIENCE—Agricultural Education

Edward Roy Munger  
Thomas Henry Spratt

DEGREE OF MASTER OF SCIENCE

Gerald Ray Bouck  
Fisheries and Wildlife  
Benoy Kumar Mukherjee  
Resource Development

Guillermo Carrera  
Agricultural Mechanics  
Harry Paul Rasmussen  
Horticulture

Antonio Martins Chaves  
Farm Crops  
Raymond Edward Reilly  
Fisheries and Wildlife

James Robert Clary  
Fisheries and Wildlife  
Ronald Wayne Rybicki  
Fisheries and Wildlife

Daniels Layten Davis  
Farm Crops  
William Godfrey Schmutz  
Dairy

Johann Basson De Swardt  
Agricultural Economics  
Teh Chien Shen  
Farm Crops

Alan Gregory Ferguson  
Biochemistry  
Sven Erik Soderberg  
Agricultural Economics

Willard Louis Gross  
Fisheries and Wildlife  
Darrell Sparks  
Horticulture

DoWon Hahn  
Animal Husbandry  
Jordanis Alexander Tsolakides  
Forest Products

Omkar Nath Kunzro  
Animal Husbandry  
Bruce Irving Veltman  
Dairy

Shawki Shahin Masri  
Forestry  
John Vondruska  
Agricultural Economics

Nguyen Dinh Mo  
Forestry  
Ralph A. Ward  
Food Science

Kamal El Dim Hussein Motawi  
Food Science  
Edward Joseph Wladyka  
Food Science
COLLEGE OF AGRICULTURE

DEGREE RECOMMENDED JOINTLY WITH THE COLLEGE OF AGRICULTURE

MASTER OF SCIENCE—Agricultural Engineering

Gary Winton Ash
Arnold G. Berlage
Max Myron DeLong
Eduardo Gonzalez-Orbegoso
Mohamed Yousry Hamdy
David Roger Knicely
James Warren Throop
DEGREE OF BACHELOR OF SCIENCE

*Edward Worthy Allis       Mechanical Engineering
*James Francis Bridges     Electrical Engineering
Richard Lee Fanson        Mechanical Engineering
Michael Aaron Folkerts    Electrical Engineering
Raymond Morris Fox        Chemical Engineering
Michael Michiyuki Fujimoto Electrical Engineering
Donald Edwin Lutz         Chemical Engineering

DEGREE RECOMMENDED JOINTLY WITH THE COLLEGE OF AGRICULTURE

BACHELOR OF SCIENCE—Agricultural Engineering

Manuel Octavio deRomana  *Charles Edward Nichols
James Earl Mitchell      Gerald Shilling

DEGREE OF MASTER OF SCIENCE

Stanton Malcolm Blumenthal  Mechanical Engineering
Chi K. Chyung              Metallurgical Engineering
Lee Ward Burgett           Mechanical Engineering
John Owen Conover          Mechanical Engineering
Owen Eustace Chirwa        Mechanical Engineering
Subhas Chandra Ghorai      Mechanical Engineering

*With Honor
DEGREE OF BACHELOR OF SCIENCE

Jane Ann Axtell  
*Interior Design  
Suzanne Bolles Hewitt  
Dietetics

Catherine Winifred Clarke  
*Retailing of Textiles and Clothing  
Patricia Dee O'Bryan  
Retailing of Textiles and Clothing

Judith Lee Eaton  
*General Home Economics  
Audrey Joann Zbock  
General Home Economics

*Ruth Hetsroni  
*General Home Economics  
Patricia Margaret Zuehlke  
*Interior Design

DEGREE RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

BACHELOR OF SCIENCE

*Lora Kay Bonine  
*Home Economics Teaching  
Janet Catherine Macdonald  
Child Development and Teaching

Elaine Wronski Brzezinski  
*Child Development and Teaching  
Susan Sophia Osner  
Child Development and Teaching

Pauline Emma Buss  
*Home Economics Teaching  
Barbara Joann Simms  
Child Development and Teaching

Mary Karen Gowell  
*Child Development and Teaching  
Sharlene Tator  
Child Development and Teaching

M. Janice Jones  
*Child Development and Teaching  
Alvida M. Whitman  
Home Economics Teaching

DEGREE OF MASTER OF ARTS

Arlene Louise Bjorngaard  
*Textiles and Clothing  
Jean Esther Schubel  
Textiles and Clothing

Patricia Moore Decker  
*Textiles and Clothing  
Surraya Wasi  
Related Arts

Marilyn Revell DeLong  
*Textiles and Clothing

*With Honor
<table>
<thead>
<tr>
<th>Name</th>
<th>Major</th>
<th>Advisor</th>
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<tr>
<td>Mary Ellen Ault</td>
<td>Institutional Administration</td>
<td>Sister M. John Martin, O.P.</td>
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<td>Sister M. Clare Olivia Beaubien, O.P.</td>
<td>Nutrition</td>
<td>Carolyn Douthit Mulloy</td>
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<td>Alma Jean Blake</td>
<td>Nutrition</td>
<td>Institutional Administration</td>
</tr>
<tr>
<td>June Ellen DeHate</td>
<td>Nutrition</td>
<td>Mary Elizabeth Quam</td>
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</table>

**Institutional Administration**
COLLEGE OF VETERINARY MEDICINE

The candidates will be presented by DEAN WILLIS W. ARMISTEAD

DEGREE OF BACHELOR OF SCIENCE—Veterinary Medicine

Lawrence William Allaben
Jeffry Blair Buck
*Richard Hubert McFarlin

Duane Elmer Rohe
Jacqueline Banyan Whiteside

DEGREE OF MASTER OF SCIENCE

Brij Mohan Mitruka
Joshua Geoffrey Wandera
Veterinary Pathology

Microbiology and Public Health

Gerald Munene Mugera
Veterinary Pathology

*With Honor
HONORS COLLEGE

DEGREE OF BACHELOR OF ARTS

William Joseph O'Brien
General Business Administration

Philip Arthur Brake
Personnel Administration

Robert Denny Burdinie
General Business Administration

David Matthew Burke
General Business Administration

Frank Joseph Burst
General Marketing

*John Henry Campbell
General Marketing

Richard Kieth Carrick
Accounting

Thomas Eugene Ciemierek
General Marketing

David Otis Connolley
General Marketing

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

James Bernard Dailey  
*Hotel, Motel and Club Management

David Edward Dase  
General Marketing

Frederick Fisher Drulard  
Accounting

Norman Russell Duffy  
Personnel Administration

Thomas Ward Early  
General Business Administration

Robert Craig Edwards  
Accounting

William Charles Eyke  
General Business Administration

Thomas George Farough  
Accounting

*Edward Michael Fidelman  
Accounting

Clive Marc Fox  
*Hotel, Motel and Club Management

Emilia Antonia Fracchia  
Executive Secretarial Administration

Brian Edward Franz  
Accounting

Robert Vincent George  
Production Administration

*David Henry Gibbs  
Accounting

Ronald Leo Gloden  
General Marketing

Bruce Nicholson Goodburne  
Personnel Administration

Larry Alan Gutowsky.  
Financial Administration

James Rowland Hedges  
Personnel Administration

William Oren Hillshafer, Jr.  
*Hotel, Motel and Club Management

David Paul Hofley  
Production Administration

Ann Best Howard  
Executive Secretarial Administration

Richard Arthur Jackson  
Personnel Administration

Durga Gopal Kamtekar  
General Marketing

Fred Phillip Katzman  
General Business Administration

Dean Wellington Kelley  
Accounting

*Lina May Kemmis  
Accounting

Gerald Milton King  
General Marketing

Russell Stuart Kropschot  
General Business Administration

Carl H. Kutsche, Jr.  
Production Administration

Guy Joseph LaPrad  
General Marketing

Jerry Andrew Lamb  
Accounting

Theodore Thomas Latz  
Personnel Administration

Aurelio Ledesma  
Accounting

Fredrick William Lee  
*Hotel, Motel and Club Management

Leonard Raymond Lendzion  
General Business Administration

Robert Henry Lewis  
Financial Administration

Richard Ronan Lipsky  
*Hotel, Motel and Club Management

Howard Eugene Lyon  
Accounting

Bruce Edward McDonald  
General Marketing

Paul Douglas Meador  
General Marketing

Paul Norman Meyer  
Financial Administration

*With Honor
COLLEGE OF BUSINESS

DEGREE OF BACHELOR OF ARTS (Continued)

Leighton P. Miller  General Marketing
Herman Ernest Miller, Jr.  Hotel, Motel and Club Management
Robert Gordon Morrison  General Marketing
Richard LeRoy Moser  General Marketing
Douglas Houghton Nelson IV  General Marketing
Douglas Keith Nelson  Restaurant Management
Stephen Bruce Padar  Hotel, Motel and Club Management
Ralph William Pearce II  Hotel, Motel and Club Management
Biggio James Perrello  General Business Administration
Charles Milton Pfaff  General Marketing
George Hathaway Poulsen  Insurance
Jerry Taylor Quigg  Hotel, Motel and Club Management
Bruce Henry Ramthun  General Business Administration
Joseph Hewes Rawden  Restaurant Management
Marshall Blane Roberts  Production Administration
*Curtis Dale Rogers  Accounting
John MacCalla Ryder  Accounting
*John Charles Schierholz  Accounting
John Arthur Schluentz  General Business Administration
Donal D. Semler  Retailing Administration
Timothy Frederick Shank  General Marketing
Joyce Forsberg Somerville  Executive Secretarial Administration
Charles Duane Staton  Hotel, Motel and Club Management
John Wendell Steen  Restaurant Management
Goichi Tanida  General Business Administration
Wayne Howard Taracks  General Business Administration
Merrill Welby Taylor  Restaurant Management
Daniel Robert Thomas  General Business Administration
Richard E. Waters  Accounting
Celia Jane Waxler  Retailing Administration
Arthur George Weeber, Jr.  Accounting
Cherrie Ann Weight  Executive Secretarial Administration
Louis Mark Weiss  Accounting
Stanley Gordon Wheeler  General Business Administration
Ross Huntley Woodward  Restaurant Management

DEGREE RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

BACHELOR OF ARTS—Business Education

Beverly Jean Ballheim
Judy Marie Binder
Richard Ronald Laubach
Guy Ronald Roberts

*With Honor
DEGREE OF MASTER OF ARTS

Gary Persay Dunsmoor  Personnel and Human Relations
Richard M. Healy  Food Marketing Management
James Denins Kelley  Business Administration
Lewis David Reiff  Business Administration

Clark B. Sherman  Business Administration
Calvin Lewis Swindell  Business Administration
Leonard Edward Zehnder  Hotel, Restaurant and Institutional Management

DEGREE OF MASTER OF BUSINESS ADMINISTRATION

Roberto Ramon Aguilar  Financial Administration
Dan Okey Bauer  Marketing
Roger Lee Boeve  Accounting
Robert David Chickering  Marketing
Jack Martin Durliat  Production Administration
Maurice Bartel Goudzwaard  Financial Administration
Floyd LaRue Herald  Marketing
Thomas Fraser Hogan  Marketing
Russell George Hopkins  Marketing
Kenneth Eugene Kellogg  Production Administration
James Lee Kemerling  Marketing

George Kirkpatrick  Accounting
Noel Edward Kurth  Marketing
Ronald Alfred Malis  Marketing
Roger Fredrick Meissner  Transportation
Robert Joseph Meuleman  Financial Administration
Robert Lee Mulloy  Transportation
Jerome Lynn Nilson  Marketing
Yeshwant Krishnaji Pradhan  Financial Administration
Jack Edward Randall  Marketing
Stoakley Walter Swanson  Personnel and Human Relations
Richard Pierce Williamson  Marketing
DEGREE OF BACHELOR OF ARTS—Elementary Education

Sharon Arlyle Bartels
Kendal Lee Baughman
Rosemary Louise Best
Colleen Ann Bordeaux
Barbara Marie Butterfield
Terese Terri Campbell
*Judith Mabel Cole
Dorothy Ann Cummings
Patricia Ann Curry
Mary Guild Davison
Karen R. Fethke
Jo Ann Gelzer
Paul Alan Gerhardt
Phyllis J. Hargis
Martha Lynn Hicks
*Anthony Joel Juliano
Daniel Karl Kelley
Gene Mary Kline
Letha Dora McCreery
Leanne McElhoe
Diane Louise Mehling
Rita M. Miller
†Susan Phinney Nelson
Sharon Sue Patterson
Beverly Ann Punches
*Nancy Gibbs Reynolds
Constance Ann Shaw
Lynn Roberta Sher
Susan Marie Spencer
Sharon Janet Struble
Kathryn Janet Sweet
*Henry Joy Taylor
Nayc Lynn Todd
Judith Ann Wallis
Judith Runquist Wilkinson
Gail Lopucki Winship

DEGREE OF BACHELOR OF SCIENCE

Douglas C. Beechem
Shirley Jean Brown

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<thead>
<tr>
<th>Physical Education</th>
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<td>Richard Dale Brown</td>
<td>Marilyn Ann Clark</td>
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*With Honor
†With High Honor
DEGREE OF BACHELOR OF SCIENCE (Continued)

Burton Donovan Comstock  Industrial Arts
Christopher James Dundas  Physical Education
Daniel Earl Eakin III  Physical Education
Daniel Coates Foster  Physical Education
Claude Adelard Fournel  Recreation-Community Recreation
Marcia Jean McKay  Physical Education
Heather Ruth Montgomery  Recreation-Community Recreation
*James Clearence Mohr  Physical Education
Thomas Robert Mustonen  Physical Education
James Dorion Rooks  Recreation-Community Recreation
Carrol Frances Spaetzel  Recreation-Youth Organization Leadership
Lee R. Sumpter, Jr.  Industrial Arts
William F. Weber  Physical Education
Roger John Wiechmann  Industrial Arts
Thomas C. Wilson  Physical Education

DEGREE OF MASTER ARTS—Education

Jacqueline June Abbott
Carol Ann Adams
Merle Smith Allbright
James Norman Barker
Dorothy W. Bates
Wilfrid LeRoy BeBeau
Charles Briggs Bennett
Joel Claudius Bryant
Roger Leon Bunker
Michael James Burke

Delbert William Butson
Marilyn Kay Byers
Vera M. Calhoun
Donald Harry Crandall
Karen Henne Cubitt
Nancy Justin Dalrymple
Nadia M. Darwich
William Bartlett Davis
Mary Charlotte Decker
Michelena E. DeRose

*With Honor
Kimball Decker Dyer
Robert Curtis Elliott
Mildred E. Kirkwood Faber
Edmund Daly Farhat
James Raymond Faust
Thomas Edward Fitzpatrick
Donald Peter Frank
Delphine Lillian Gay
Leslie Ernest Gee
Kenneth Walter Gest
Stanley Richard Gooch
Paul E. Graf
Robert John Hecksel
Patricia Sue Herrick
Keith Frederick Hoskins
Clarice Christine Jensen
Ervin Garth Johnson
Robert Edwin Johnson
Gerhard Kaminski
Imogene Keskey
Ney R. Kinsland
Dale Walter Knight
Elizabeth Beebe Lewis
Jerald Elbert Lounsbury
Georgialee Lovse
Evelyn Bradbury Lynch
Duane Ellsworth Marlan
Janet Jean Martin
Mary Haviland Martin
W. William Mateer
Dawn Beeler Meyer
Kenneth Myles Mitchell
Ruby Ivon Mogis
Alice J. Morris
Raymond William Nunez
Edward L. Palmer
Violet Betty Reed
Norman Charles Reidel
William Eugene Rice
Earle Everett Richardson
John Robert Riley
Russell Lee Rivet, Jr.
Thomas Harold Rose
Carl Arthur Sandeen
Ibrahim Mahmoud Shalaby
George William Siebert
Wayne Sievert
George Simcina
Richard Lyle Skimin
Francene Blasius Smith
DEGREE OF MASTER OF ARTS—Education (Continued)

Clyde Kernick Stephens, Jr.                               Paul Dwight Vincent
Gundars Strautnieks                                    John W. Vis
Donald William Sutton                                  James Richard Wassenaar
Mary Lou Brown Tanton                             John Thomas Watson
Charles Joseph Testa                                    Sue F. Welch
William Douglas Van Arsdale                             Ruth Freed Wesner
Eldon Cyril Van Spybrook                                        William Edward York
Foster Martin VanVliet
COLLEGE
OF
COMMUNICATION ARTS

HONORS COLLEGE

DEGREE OF BACHELOR OF ARTS

†Carol Ann Parker

Communication

DEGREE OF BACHELOR OF ARTS

Rodney S. Albert
Television and Radio
Frederic Lynn Klein
Television and Radio

*Ute Louise Anna Auld
Journalism
Donald Roger Kleis
Communication

John W. Beatty
Communication
William W. Klingelsmith
Communication

Diane Joan Bever
Speech
Annette Genser Leckart
Communication

Ben Harvey Brown, Jr.
Advertising
Allan William Mitchell
Advertising

Charlotte Ann Dalton
Journalism
Ann Darling Mohr
Journalism

Errol Lee Foss
Television and Radio
Gerald Keith Nelson
Advertising

Allan R. Friedman
Speech
Larry D. Oliver
Advertising

A. Thomas Hards
Television and Radio
Don Raymond Pember
Journalism

Howard W. Holmes
Journalism
Charles Thomas Sharpe
Advertising

Stephen Hunter
Advertising
Douglas Allen St. John
Advertising

Albert Kaufman
Communication
Lani Francis Waiwaiole
Television and Radio

DEGREE RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

BACHELOR OF ARTS—Speech

Elwyn Robert Fatchett, Jr.
Drucilla Ann Namey

Janice Lynn Fry
Joan Elaine Sheilds

Jana Cleveland Kerns
Nancy Lee Tobias

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

David Raymond Bates  
Sumer Mehmet Bileydi  
Rita Smickstein Burney  
James Kent Ellerbrake  
Kay Marie Eyde  
Natalie Ann Gordon

Speech  
Television and Radio  
Speech  
Advertising  
Television and Radio

Arthur Franklin Holston, Jr.  
Roger Alan Long  
Barbara Elaine Subar  
Francis Harold Tokay  
Robert Louis Winters

Television and Radio  
Speech  
Speech  
Speech  
Speech
COLLEGE OF ARTS AND LETTERS

HONORS COLLEGE

DEGREE OF BACHELOR OF FINE ARTS

†Alice Dunham Henshaw

Art

DEGREE RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

DEGREE OF BACHELOR OF ARTS—English

*Susan Caroline Christensen

Annette Scott Vaillancour

*Evelyn Joan Weckerly

DEGREE OF BACHELOR OF MUSIC—School Music

†Lorelei Exelby Darling

†Ruth Ann Seeburger

†Charlotta Ruth Klein

DEGREE OF BACHELOR OF ARTS

Sharron Ann Bonds

Christopher Anne Brizard

Richard Elwyn Bunting

Frances Elaine DeLong

Wallace K. Ewing

Roy Frank Friedl

Holly Jean Gerbing

Frank Ernest Hansen

English

Humanities

Arts and Letters

Humanities

English

Philosophy

Humanities

Art Practice

Shirley Ann Hilliard

Selma D. J. Hollander

William Michael Jacobs

Siri Eleanor James

Sandra Anne Jungerheld

†Susan Diane Kistler

Janet Miller Kolesnikow

*Clark Lincoln

History

History

English

Humanities

Humanities

Art Practice

Humanities

Humanities

Art Practice

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

Jeremiah Lee Lynch  
*Thomas Francis McGuane  
Donna Dale Nolf  
Nancy Ruth Noyes  
William Michael Olree  

*Arts and Letters  
*Humanities  
History  
Arts and Letters  
History

Gerald Warren Peterson  
Joan Evelyn Reardon  
Douglas Alan Scoggins  
James LeRoy Shutes  
Diana Jean Slotnick

DEGREE RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

BACHELOR OF ARTS

Iris Ruth Arthur  
Ilarro Albert Baldelli  
Elizabeth Jane Bauer  
Pamela Sue Black  
Alice Cecile Bonomo  
Judith Ellen Borgelt  
Sharon Patterson Burns  
†Carol Clarke Cassidy  
Linda Scott Dickson  
Bonnie Lee Fox  
*Laura Kay Gould  
James Duncan Green  
David Charles Grindell  
Carol Louise Harris  

History  
History  
Art Education  
History  
Spanish  
English  
English  
Art Education  
History  
History  
Art Education  

Linda Jane Heim  
Max W. Heinemann  
Janice Nelson Hermansen  
Patricia Ann Lamberts  
Joanne Vera Nedoba  
Judith Ann Purdy  
*Carol Jo Rice  
Judy Marie Schopp  
Sandra Emmary Shaifer  
William Eugene Truss  
Elizabeth Stephanie Welkoske  
*Grant Curtis Winchell  
*Barbara Jean Wheeler  
Sydney Sue Young

DEGREE OF BACHELOR OF FINE ARTS

†William Grant Adams  
*With Honor  
†With High Honor
## DEGREE OF BACHELOR OF MUSIC

*Mary Ellen Dunn  **Music Theory**

**DEGREE RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION**

**BACHELOR OF MUSIC—School Music**

*John Edward Courter  Samuel Joseph Levine
Lynne Winters Granger  Peter Kurt Schewe

## DEGREE OF MASTER OF ARTS

<table>
<thead>
<tr>
<th>Jerry Lee Bower  <strong>History</strong></th>
<th>John Milton Metheany III  <strong>Art</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Mary Ruth Crown  <strong>Music</strong></td>
<td>Gwendolyn Parker Miller  <strong>English</strong></td>
</tr>
<tr>
<td>Douglas Eugene Drewry  <strong>History</strong></td>
<td>Melvin Modest Monette  <strong>History</strong></td>
</tr>
<tr>
<td>George Phillip Mansour  <strong>Spanish</strong></td>
<td>Joseph William Sims  <strong>French</strong></td>
</tr>
<tr>
<td>Allan John Martin  <strong>English</strong></td>
<td></td>
</tr>
</tbody>
</table>

## DEGREE OF MASTER OF ARTS FOR TEACHERS

<table>
<thead>
<tr>
<th>Donald Robert Cowley  <strong>History</strong></th>
<th>Delores Marie Schiele  <strong>English</strong></th>
</tr>
</thead>
</table>

## DEGREE OF MASTER OF MUSIC

<table>
<thead>
<tr>
<th>Richard Lee Carpenter  <strong>Applied Music</strong></th>
<th>Allan Kenneth Kirkpatrick  <strong>Applied Music</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Margaret Mary Fox  <strong>Music Education</strong></td>
<td>Olive Dobson Padgett  <strong>Applied Music</strong></td>
</tr>
<tr>
<td>George Spencer Jakeway  <strong>Music Education</strong></td>
<td>Cynthia Sue Phillips  <strong>Music Education</strong></td>
</tr>
</tbody>
</table>

*With Honor*
COLLEGE OF NATURAL SCIENCE

The candidates will be presented by DEAN RICHARD U. BYERRUM

HONORS COLLEGE

DEGREE OF BACHELOR OF SCIENCE

†Stephen Gruber BeMiller  Mathematics  *Woollcott Keston Smith  Mathematics
†John Stanley Ross  Physical Sciences  †Barbara Allen Wilson  Entomology

DEGREE OF BACHELOR OF ARTS

Valentina Maria Kazanowska  Chemistry  Daniel Jo Weaver  Chemistry
Jeffrey I. Pollack  Statistics

DEGREE RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

BACHELOR OF ARTS—Chemistry

Walter Ray Dever  Daniel C. Himebaugh

DEGREE OF BACHELOR OF SCIENCE

Tamera Gay Badenoch  Biological Sciences  Marvin Lee Good  Biological Sciences
Larry Allen Bassett  Zoology  Robert Frederick Heuser  Geology
*Josephine Belding  Nursing  Lorne Thomas Inglis  Geology
Carola Marietta Cattani  Zoology  Don Richard Johnson  Chemistry
Thomas Joseph Culligan  Mathematics  *George Taylor Johnson III  Physics and Astronomy
Gale Edward Elwer  Mathematics  Derald Roy Kliem  Physics and Astronomy
John Frederick Fox  Physics and Astronomy  Ferris Edward Lucas II  Zoology

*With Honor
†With High Honor
COLLEGE OF NATURAL SCIENCE

DEGREE OF BACHELOR OF SCIENCE (Continued)

William Frederic Marrs  Zoology  Uldis Plics  Chemistry
Robert Anthony Moorehead  Zoology  Alfred Frederick Schwartzfisher  Mathematics
Kern A. Moulton  Mathematics  David Kirk Tate  Mathematics
James Charles Nolan  Zoology  Charles Horace Webber  Physical Sciences
Bernadete Marie Palaszek  Nursing  Sidney James Wise  Zoology
Thomas Stanley Paluck  Mathematics  Silvija Zirnitis  Nursing
*Paul Ralph Pennock, Jr.  Mathematics  David Earl Zuehlke  Mathematics
*Allan Andrew Petersen  Mathematics

DEGREE RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

BACHELOR OF SCIENCE

Arthur John Apkarian  Mathematics  Calvin Gene Lamoreaux  Mathematics
Ronald Laverne Auble  Physics and Astronomy  Max Martin Mackie  Physical Sciences
Theodore Richard Boyer  Biological Sciences  *James Joseph McGran  Mathematics
Paul Leslie Bradfield  Biological Sciences  Louis Ruthardt Miller  Physical Sciences
William Lee Cole  Mathematics  Carter James Ogle  Biological Sciences
Norman Tyrone Farnum  Physical Sciences  Rose Ann Schwartzfisher  Mathematics
Ernest George Fischer, Jr.  Geology  James Kent Shaw  Biological Sciences
Alan Jon Harvey  Mathematics

DEGREE OF MASTER OF ARTS FOR TEACHERS

Evelyn Helen Nutile Brayton  Mathematics  George Helvey, Jr.  Chemistry
Edwin Joe Day  General Science  John Robert Stone  Chemistry

*With Honor

28
### Degree of Master of Fine Arts

Gerald Grubb Card  
Art

### Degree of Master of Science

<table>
<thead>
<tr>
<th>Name</th>
<th>Field</th>
<th>Name</th>
<th>Field</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harvey Lee Ackerman</td>
<td>Statistics</td>
<td>Keith Edward Dahlman</td>
<td>Chemistry</td>
</tr>
<tr>
<td>Morteza Alavinejad</td>
<td>Statistics</td>
<td>Edward Arthur Greenberg</td>
<td>Botany and Plant Pathology</td>
</tr>
<tr>
<td>Edward James Apple</td>
<td>Chemistry</td>
<td>Charles Edward Kerman</td>
<td>Geology</td>
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<tr>
<td>Richard Eugene Berg</td>
<td>Physics and Astronomy</td>
<td>Kei Kosaka</td>
<td>Physics and Astronomy</td>
</tr>
<tr>
<td>Henry Edward Booke</td>
<td>Zoology</td>
<td>Thomas L. Lawler</td>
<td>Geology</td>
</tr>
<tr>
<td>James W. Burns</td>
<td>Geology</td>
<td>William Hoover Maas</td>
<td>Zoology</td>
</tr>
<tr>
<td>Chi Chau Chan</td>
<td>Statistics</td>
<td>John Patrick Mullooly</td>
<td>Chemistry</td>
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<tr>
<td>Shu Chen Chang</td>
<td>Entomology</td>
<td>Ronald John Pfohl</td>
<td>Zoology</td>
</tr>
<tr>
<td>Hanumara Ramachandra Choudary</td>
<td>Statistics</td>
<td>Paul Albert Volz</td>
<td>Botany and Plant Pathology</td>
</tr>
<tr>
<td>James Paul Covell</td>
<td>Zoology</td>
<td>Matthew John Zabik</td>
<td>Chemistry</td>
</tr>
<tr>
<td>Glenn Price Craver</td>
<td>Chemistry</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
The candidates will be presented by DEAN LOUIS L. MCQUITTY

HONORS COLLEGE

DEGREE OF BACHELOR OF ARTS

†Thomas Robert Andris  Social Science  *Virginia Ann Pace  Psychology
†Janice Faye Davis  Social Science

DEGREE RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

BACHELOR OF ARTS

†Merrie Roxie Rundle  Social Science

DEGREE OF BACHELOR OF ARTS

Kathryn A. Anderson  Political Science  James Roger Duncan  Social Science
Gary F. Barber  Economics  Robert Ward Ehinger  Political Science
Walter Richard Bieder  Sociology and Anthropology  Charles Maurice Feight  Social Science
Conrad Theodore Bloom, Jr.  Social Science  Edward George Fields  Sociology and Anthropology
Arthur F. Brandstater, Jr.  Economics  Joffre William Filion  Geography
Michael Lang Brickner  Political Science  Harvey Alger Fischer  Political Science
*Janet Mary Brooks  Political Science  Alice A. Fisher  Social Science
Leslie A. Brown  Economics  Myrna Lee Gary  Psychology
Ronald Jay Christensen  Psychology  Mildred V. Gidner  Geography
Robert Joe Decker  Social Science  Mina Isabelle Gold  Sociology and Anthropology
John Trimble Doty, Jr.  Economics  Frederick Harold Goodnow  Social Science
Larry M. F. Hafemeister  Social Science

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

Dalrymple Muir Harris  Social Science
Thomas R. Hext  Social Science
Gordon Brockwell Heylin  Political Science
Patricia June Hluchaniak  Social Science
John Alexander Lutz Hughes  Social Science
Joseph Patrick Jeffs  Economics
Gerald LaVerne Jenkins  Political Science
George Erick Johnson  Social Science
Kent Thornton Johnson  Political Science
William Prescott Jordan  Social Science
Peter John Kakela  Geography
Jack Wayne Knirk  Political Science
Henry Stanley Kopek  Economics
Stephen Kutchins  Psychology
*Robert Edmond LeCureux  Psychology
Diane J. Luoto  Social Work
Elizabeth E. Mahoney  Social Work
Dennis Duane McMichael  Social Science
Norman M. Mills  Social Science
Edward Jay Minskoff  Economics
Robert Bruce Morrison  Sociology and Anthropology
*Wallis Seymour Pallas  Psychology
Kenneth William Parker  Social Science
Harvey Philko  Social Science
Gary Hubbard Phillips  Social Science
John Daniel Polakowski  Social Science
Stephen Bradley Price  Economics
Nancy Jane Reece  Social Work
Ronald Thaddeus Retka  Social Science
*Shirley McIntyre Rheubottom  Social Science
Carl Wesley Roeser  Psychology
James Arthur Rowe  Social Science
Richard Thomas Sadler  Economics
Jon Sidney Schuster  Social Science
Arthur Valentine Schwarm  Social Science
Peter Finley Secchia  Economics
Frederic Thomas Selak  Psychology
Frank Lewis Shirley  Psychology
Janet Rae Simmons  Psychology
Spencer Owen Soper  Social Science
Robert David Stapelman  Economics
Michael M. Sutin  Psychology
Charlotte Glaydys Swartz  Social Science
Peter Julius Trepeck  Psychology
*Dwight Edwin Turner  Geography
John Robert Waters  Social Science
Howard Whelan  Social Science

*With Honor
COLLEGE OF SOCIAL SCIENCE

DEGREE OF BACHELOR OF ARTS (Continued)

George Raymond Williams  Political Science  James Albert Zeller  Psychology
Joanne Carol Willms  Political Science  Judith Nixon Zick  Psychology

DEGREE RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

BACHELOR OF ARTS—Social Science

Robert C. Brown
Jacqueline Ann Burgoyne
Judith Harvey Caddell
Judith Carol Gremel
Gloria Hermanson Heinemann
Joyce Marie Johnson
Carol Ann Marcil

Bernard Brendan O'Brien
Sally Rose Samson
George Edward Steeves
William Robert Weagly
Warren Paul Whitelock
William Edward Wilder

DEGREE OF BACHELOR OF SCIENCE

F. Joseph Bailey  Urban Planning  John Robert Kleberg  Law Enforcement Administration
William Oyler Berkheimer  Law Enforcement Administration  Vern Edward Laney  Urban Planning
Edwin Palmer Brown  Urban Planning  Donald Devere Larson  Industrial Security Administration
Kenneth Martin Buss  Industrial Security Administration  Jerry Ira Lasker  Urban Planning
Robert Kasper Ferber  Law Enforcement Administration  Russel Louis Leik  Correctional Administration
Hale Harvey Hitchcock  Industrial Security Administration  Jerry Wayne Morford  Urban Planning
John Francis James Keenan  Law Enforcement Administration  Gene E. Owens  Law Enforcement Administration
Dennis Gordon Prescott  Law Enforcement Administration

*With Honor
DEGREE OF BACHELOR OF SCIENCE (Continued)

Edwin John Pytell  Industrial Security Administration
Arthur Robert Rivers, Jr.  Law Enforcement Administration

William Gardiner Rae  Law Enforcement Administration
James Edwin Scofield  Industrial Security Administration

DEGREE OF MASTER OF ARTS

Florence Avakian  Political Science
Karen Gernant  Political Science

Norman John Baron  Geography
Joseph Weldon Jennings, Jr.  Psychology

Robert William Becker  Political Science
Nancy May Martell  Psychology

Nicholas Joseph Borrelli  Psychology
Robert William Moody  Social Science

Bradley August Bremer  Psychology
Nobuyoshi Nagase  Sociology and Anthropology

William Thayre Bucklin  Political Science
Yoshikazu Nakayama  Economics

Dominic Martin Bulgarella  Social Science
Elmer Robert Race  Geography

Adam Clifford Cahow  Geography
Phillip Irwin Snett  Psychology

Byung Chan Cho  Political Science
Donald Gerald Stein  Psychology

James Kirkpatrick Davis  Political Science
Janet Landis Summers  Sociology and Anthropology

Thomas Kay Elliott  Psychology
Stanley Lester Warner  Economics

Theodore Robert Ervin  Sociology and Anthropology

DEGREE OF MASTER OF SOCIAL WORK

Roger Allen Forth
SCHOOL
FOR
ADVANCED GRADUATE STUDIES

The candidates will be presented by DEAN MILTON E. MUELDER

DIPLOMA FOR ADVANCED GRADUATE STUDY

Murl Byron Connor  B.S., Western Michigan University; M.A., Michigan State University.

Education. Major Professor: W. R. Roe, Professor.

David Lee Johnson  B.A., M.A., Michigan State University.

Education. Major Professor: R. L. Featherstone, Associate Professor.

Otto Lavern Merritt  A.B., Nebraska Wesleyan University; M.A., Northwestern University; Garrett Seminary.

Education. Major Professor: J. E. Jordan, Associate Professor.

Basil Eugene Shell  B.A., Western Michigan University; M.A., University of Michigan.

Education. Major Professor: D. J. Lee, Professor.

CANDIDATES FOR THE DOCTORAL DEGREES

Ransom Leland Baldwin, Jr., Ph.D.  B.S., University of Connecticut; M.S., Michigan State University.

Education. Major Professor: R. S. Emery, Associate Professor.


Robert Charles Bealer, Ph.D.  B.S., M.S., Pennsylvania State University.

Sociology and Anthropology. Major Professor: J. H. Ueem, Professor.

CANDIDATES FOR THE DOCTORAL DEGREES (Continued)

  Marketing. Major Professor: W. Lazer, Professor.

Charles Mark Bourassa, Ph.D.  B.A., M.A., Michigan State University.
  Psychology. Major Professor: S. H. Bartley, Professor.

Robert Lincoln Bradley, Ph.D.  B.S., Bowling Green State University; B.S. Ed., Ohio Northern University; M.A., Ohio State University.
  Education. Major Professor: P. L. Dressel, Professor.
  Thesis: Lecture Demonstration Versus Individual Laboratory Work in a Natural Science Course at Michigan State University.

Wilma Nash Bradley, Ed.D.  A.B., Bluffton College; M.S., University of Toledo.
  Education. Major Professor: M.S. Smith, Professor.
  Thesis: An Analysis of Selected Cognitive and Non-Cognitive Variables Relating to a Student’s Persistence in a Major Area of Study at Michigan State University.

  Education. Major Professor: K. T. Hereford, Associate Professor.

Billy Dean Cook, Ph.D.  B.S., Oklahoma State University; M.S., Michigan State University.
  Physics and Astronomy. Major Professor: E. A. Hiedemann, Professor.

Caridad A. Delena, Ph.D.  A.B., University of the Philippines; M.A., Sacramento State College.
  Education. Major Professor: H. W. Sundwall, Associate Professor.
  Thesis: The Relationship of Organic Illness to Personality Integration.
Albert Binkley Dickas, Ph.D.  
B.A., M.S., Miami University.  
Geology. Major Professor: J. H. Fisher, Associate Professor.  

Marvin Goodman, Ph.D.  
B.A., B.S.W., M.S.W., University of Toronto.  
Education. Major Professor: W. W. Farquhar, Professor.  

James Gillespie Hendrick III, Ph.D.  
B.S., Alabama Polytechnic Institute; M.S., Auburn University  
Agricultural Engineering. Major Professor: W. F. Buchele, Associate Professor.  

Abigail Kyzer Hobson, Ph.D.  
B.S., Tuskegee Institute; M.S., University of Chicago.  
Education. Major Professor: M. W. Vossbrink, Associate Professor.  
Thesis: A Study of Values of Rural and Urban Negro Families in Alabama with Implications for Homemaking Education.

Ronald Arthur Hoppe, Ph.D.  
A.B., University of Michigan; M.A., Michigan State University.  
Psychology. Major Professor: M. Rokeach, Professor.  

Manuel Gordon Howat, Ph.D.  
B.S.A., University of Saskatchewan; M.S., University of Alberta; M.S., University of Wisconsin.  
Psychology. Major Professor: D. M. Johnson, Professor.  
Thesis: Transfer in Production and Judgment with Input Information Varied.
CANDIDATES FOR THE DOCTORAL DEGREES (Continued)

Victor Alan Jones, Ph.D.  
B.S., M.S., Michigan State University.  
Agricultural Engineering. Major Professor: C. W. Hall, Professor.  

Roger Hugh Kariger, Ph.D.  
B.A., DePauw University; M.S., Indiana University.  
Education. Major Professor: D. J. Leu, Professor.  
Thesis: The Relationship of Lane Grouping to the Socioeconomic Status of the Parents of Seventh-Grade Pupils in Three Junior High Schools.

Richard Albert Keppeler, Ph.D.  
B.S., M.S., Michigan State University.  
Agricultural Engineering. Major Professor: C. W. Hall, Professor.  

Chan Kyu Kim, Ph.D.  
B.S., Tri-State College; M.S., Michigan State University.  
Electrical Engineering. Major Professor: H. E. Koenig, Professor.  

Alan Henry Kirton, Ph.D.  
B.Sc., M.Sc., Massey Agricultural College.  
Food Science. Major Professor: A. M. Pearson, Professor.  
Thesis: The Potassium, Sodium and Cesium Content of Animals and the Relationship to Composition.

May Koo, Ph.D.  
B.A., New Asia College; M.A., Michigan State University.  
Education. Major Professor: H. W. Sundwall, Associate Professor.  
Thesis: American Students' Contacts With and Attitudes Toward Foreign Students.

Angelo Anthony Lacognata, Ph.D.  
B.A., University of Buffalo; M.A., University of Rochester.  
Sociology and Anthropology. Major Professor: W. B. Brookover, Professor.  
Thesis: Role Expectations of Faculty and Students: A Social Psychological Analysis.
SCHOOL FOR ADVANCED GRADUATE STUDIES

CANDIDATES FOR THE DOCTORAL DEGREES (Continued)

Paul Arthur Law, Ph.D. B.S., Lowell Technological Institute.
Chemistry. Major Professor: H. Hart, Professor.

Ed.D. Education. Major Professor: C. A. Blackman, Associate Professor.

Patton Lockwood, Ph.D. B.A., Oberlin College; M.Ed., University of Virginia.
Speech. Major Professor: J. A. Walker, Associate Professor.

William McLagan Malcolm, Ph.D. B.A., Williams College; M.S., Michigan State University.
Botany and Plant Pathology. Major Professor: J. E. Cantlon, Professor.

Roy Edward McTarnaghan, Ed.D. B.S., State Teachers College; M.A., Ohio State University.
Education. Major Professor: F. G. Parker, Associate Professor.

James D. Milne, Ph.D. B.S., University of Minnesota; M.A., Long Beach State College.
Education. Major Professor: H. J. Dillon, Professor.
Thesis: A Survey and Analysis of Native Alaskan Adult Education Programs.

Glenn Alan Niemeyer, Ph.D. B.A., Calvin College; M.A., Michigan State University.
History. Major Professor: M. A. Kuhn, Professor.
Walter Edmond Page, Ph.D.  B.A., Union College; M.S., University of Nebraska.
Zoology. Major Professor: R. A. Fennell, Professor.

Dinkar Shankar Rane, Ph.D.  B.E., University of Bombay; M.S., Michigan State University.
Electrical Engineering. Major Professor: H. E. Koenig, Professor.

Kim Rodner, Ph.D.  B.A., M.A., Michigan State University.
Sociology and Anthropology. Major Professor: J. B. McKee, Professor.

Norman Richard Roobol, Ph.D.  B.S., Calvin College.
Chemistry. Major Professor: H. Hart, Professor.
Thesis: Rates and Mechanism of Dipositive Carbonium Ion Hydrolysis.

Jack McBride Ryder, Ph.D.  B.S., M.A., Michigan State University.
Education. Major Professor: W. H. Roe, Professor.

A. Coskun Samli, Ph.D.  B.A., Higher School of Economics and Commerce of Istanbul; M.B.A., Michigan State University.
Business Administration. Major Professor: S. C. Hollander, Professor.
Thesis: Comparative Patterns of Business Failures in Michigan and the United States.

Burton Wister Scott, Ph.D.  B.S., University of Colorado.
Physics and Astronomy. Major Professor: F. J. Blatt, Professor.
CANDIDATES FOR THE DOCTORAL DEGREES (Continued)

C. Joseph Sequin, Ph.D.
B.S., Fordham University; M.A., Boston University.
Economics. Major Professor: W. Adams, Professor.

Elwood William Speckmann, Jr., Ph.D.
B.S., Rutgers University; M.S., Michigan State University.
Thesis: Cardiovascular Parameters and Static Elastic Moduli of the Turkey Aorta.

Virgil Bernard Sterling, Ph.D.
B.S., General Beadle State Teachers College; M.A., University of South Dakota.
Education. Major Professor: G. A. Miller, Associate Professor.
Thesis: A Pilot Factor Analytic Study of Academic Motivation and Achievement Levels in Eleventh-Grade Males.

Theodore Sulzberg, Ph.D.
B.S., City College of New York; M.A., Brooklyn College.
Chemistry. Major Professor: H. Hart, Professor.
Thesis: Dicarbonium Ions from Bis-Aryl Carbinols.

Richard Warren Thompson, Ph.D.
B.A., M.A., Michigan State University.
Psychology. Major Professor: M. R. Denny, Professor.
Thesis: Transfer of Training of an Avoidance Response Between Normal and Functionally Decoriticate States.

Wynn Franklin Updyke, Ph.D.
B.A., Seattle Pacific College; M.S., University of Washington.
Education. Major Professor: W. D. Van Huss, Professor.
Thesis: A Study of the Effects of Exercise of Various Frequencies and Intensities upon the Swimming Ability and Physiological Well-Being of Specific Pathogen Free Male Albino Rats.
CANDIDATES FOR THE DOCTORAL DEGREES (Continued)

John Richard Verduin, Jr., Ph.D.
B.S., St. Josephs College; M.A., Michigan State University.
Education. Major Professor: R. A. Edelfelt, Associate Professor.

Philip Alan Wright, Ph.D.
B.S., Macdonald College; M.S., Michigan State University.
Agricultural Economics. Major Professor: G. L. Johnson, Professor.

GRADUATES AS OF AUGUST 31, 1962

DIPLOMA FOR ADVANCED GRADUATE STUDY

Carl S. Dinehart
A.B., Huntington College; M.A., Michigan State University.
Education. Major Professor: K. T. Hereford, Associate Professor.

Eugene Arthur York
B.S., M.A., Michigan State University.
Education. Major Professor: W. E. Roe, Professor.

DOCTORAL DEGREES

Kendall Alfred Adams, Ph.D.
B.S., Oregon State; M.A., Michigan State University.
Marketing. Major Professor: E. A. Brand, Professor.
Thesis: The Acceptance and Use of Special Services by Independent Food Retailers.

Jack Oland Anderson, Ed.D.
B.S., A.M., Central Michigan University.
Education. Major Professor: C. A. Blackman, Associate Professor.
Thesis: A Study of the Relationships Among Academic Motivation, Level of Aspiration, Level of Expectation, and Gain or Loss in Achievement in a College Reading Improvement Situation.
SCHOOL FOR ADVANCED GRADUATE STUDIES

DOCTORAL DEGREES (Continued)

Education. Major Professor: C. M. Campbell, Professor.

John Joseph Azukas, Ph.D. B.S., University of Illinois; M.S., Michigan State University.
Microbiology and Public Health. Major Professor: R. N. Costilow, Professor.
Thesis: Sorbic Acid Inhibition of Enolase from Yeast and Lactic Acid Bacteria.

Louis Alan Barker, Ph.D. B.S., M.A., Michigan State University.
Education. Major Professor: H. W. Sundwall, Associate Professor.

Education. Major Professor: W. H. Roe, Professor.

John Fredrick Benner, Ph.D. B.S., Alma College.
Chemistry. Major Professor: G. L. Goerner, Associate Professor.

Triloki Nath Bhargava, Ph.D. B.S., M.S., University of Lucknow.
Statistics. Major Professor: L. Katz, Professor.

Richard Hummel Bittner, Ph.D. B.S., M.S., Iowa State College.
Education. Major Professor: H. P. Sweany, Associate Professor.
Thesis: Identification of Selected Characteristics Associated with Continued Student Enrollment in Vocational Agriculture.
Margaret Mary Bott, Ph.D.  B.A., St. John's University; M.S., Hunter College.

Education. **Major Professor:** B. Stefflre, Professor.


Rafael Antonio Bravo, Ph.D.  B.S., National University, Columbia, South America; M.S., Michigan State University.

Farm Crops. **Major Professor:** E. H. Everson, Associate Professor.


Accounting. **Major Professor:** C. J. Gaa, Professor.

**Thesis:** The Evolution of the Code of Professional Ethics of the American Institute of Certified Public Accountants.

Dae Hong Chang, Ph.D.  B.A., M.A., Michigan State University.

Social Science. **Major Professor:** K. W. So, Professor.

**Thesis:** The Historical Development of the Korean Socio-Family System Since 1392—A Legalistic Interpretation.

Cheng-jung Chen, Ph.D.  B.S., National Taiwan University; M.S., Michigan State University.

Agricultural Engineering. **Major Professor:** E. H. Kidder, Associate Professor.

**Thesis:** An Analysis of Overland Flow.

Sylvia Ciernick, Ph.D.  B.S., Michigan State University; M.A., Western State University.

Education. **Major Professor:** W. H. Roe, Professor.

SCHOOL FOR ADVANCED GRADUATE STUDIES

DOCTORAL DEGREES (Continued)


Sterling Grant Ellsworth, Ph.D. B.A., M.A., Brigham Young University. Education. Major Professor: H. A. Grater, Associate Professor. Thesis: The Consistency of Counselor Feeling Verbalization In and Outside the Counselor Client Relationship.

Mahmud Mohammad El-Okby, Ph.D. A.B., Cairo University; M.A., Ain Shams University, Cairo. Communication Arts. Major Professor: M. S. MacLean, Jr., Professor. Thesis: Verbal Cues of Organizational Information in Message Decoding.

DOCTORAL DEGREES (Continued)

Larry L. Foster, Ph.D. B.S., Western Illinois University; M.S., University of Wisconsin.
Education. Major Professor: J. X. Jamrich, Professor.
Thesis: A Descriptive Study, by Residency and Sex, of the Freshman Students for 1958 at Michigan State University on Selected Characteristics.

Fillmore Freeman, Ph.D. B.S., Central State College.
Chemistry. Major Professor: H. Hard, Professor.

Robert Lee Gonderman, Ph.D. B.S., Washington State College; M.S., University of Illinois.
Horticulture. Major Professor: D. P. Watson, Professor.

Buddy Gene Harmon, Ph.D. B.A., Purdue University.

Eugene Harrison, Ph.D. B.S., M.S., Texas A & M.
Mechanical Engineering. Major Professor: F. S. Tse, Associate Professor.

Roy Dean Hill, Ph.D. B.S., University of Utah; M.S., New Mexico State University.
Chemistry. Major Professor: R. N. Hammer, Associate Professor.

Robert Gordon Holloway, Ph.D. B.S., M.S., University of Oregon.
Sociology and Anthropology. Major Professor: J. W. Artis, Professor.
DOCTORAL DEGREES (Continued)

Chester Alvin Hornbeck, Ph.D.  
B.S., M.S., Michigan State University.  
Microbiology and Public Health.  
Major Professor: C. L. San Clemente, Professor.  
Thesis: The Use of Stilbestrol, Lysozyme, and Polyclonal Vaccines in the Control of Experimental Staphylococcal Infections in Laboratory Animals.

Clinton Joyce Jesser, Ph.D.  
B.A., Sioux Falls College; M.S., South Dakota State College.  
Sociology and Anthropology.  
Major Professor: J. W. Artis, Professor.  
Thesis: An Exploration into Factors Affecting Social Participation of Professionals in Rural Areas.

Eduardo Jimenez, Ph.D.  
B.S.A., M.S., University of Florida.  
Botany and Plant Pathology.  
Major Professor: R. S. Bandurski, Professor.  

Horace Clifford King, Ph.D.  
M.A., Michigan State University.  
Education.  
Major Professor: T. L. Stems, Professor.  
Thesis: An Analysis of the Educational-Administrative-Cultural Aspects of the Relationship Between the University of the Ryukyus and Michigan State University.

James Irvin Kirkwood, Ph.D.  
B.S., M.S., Kansas State University.  
Soil Science.  
Major Professor: A. R. Wolcott, Associate Professor.  

Jack Knoll, Ph.D.  
B.S., M.S., Michigan State University.  
Physiology.  
Major Professor: P. O. Fromm, Associate Professor.  
Thesis: Sodium and Chromate Ion Movement Across Isolated Frog and Fish Skins With the Effect of Magnetic Fields Upon Such Movement.
Gerald Lawrence Kochanny, Jr., Ph.D.
B.S., University of Michigan; M.S., Bradley University.
Chemistry. Major Professor: A Timnick, Associate Professor.
Thesis: Radiation Chemistry Studies of Water as Related to the Initial Linear Energy Transfer of 11-23 MeV Protons.

Stephen Orne Krebs, Ed.D.
B.B.A.D., M.A., University of Michigan.
Education. Major Professor: V. H. Knoll, Professor.
Thesis: An Investigation of Transfer Effects of Given and Derived Coding Principles at Three Levels of Mental Ability.

Robert James Kroll, Ph.D.
B.S., M.S., University of Cincinnati.
Applied Mechanics. Major Professor: C. A. Tatro, Associate Professor.

Robert Cardon Lamb, Ph.D.
B.S., Utah State Agricultural College; M.S., Michigan State University.
Dairy. Major Professor: L. D. McGilliard, Professor.

Kenneth Jay Lessler, Ph.D.
B.A., M.A., San Jose State College.
Psychology. Major Professor: C. L. Winder, Professor.
Thesis: The Anatomical and Cultural Dimensions of Sexual Symbols.

Hinrich Dethlef Robert Martens, Ph.D.
B.S., M.S., University of Rochester.
Mechanical Engineering. Major Professor: F. S. Tse, Associate Professor.

Keith Henry McDonald, Ph.D.
B.A., Ripon College; M.A., Marquette University.
Education. Major Professor: W. W. Farquhar, Professor.
Thesis: An Investigation into the Relationship of Socio-Economic Status to an Objective Measure of Motivation—The Michigan M-Scales.
DOCTORAL DEGREES (Continued)

Thomas Richard Mulvaney, Ph.D.  
B.S., M.S., Michigan State University.  
Food Science.  
Major Professor: I. J. Pflug, Professor.  
Thesis: Corrosion of Mild Steel in Alkaline Sequestering Agent Solutions.

Hilding Elwood Nelson, Ed.D.  
B.A., University of California; M.S., University of Southern California.  
Education.  
Major Professor: J. A. Fuzak, Professor.  

Charles Samuel Nicoll, Ph.D.  
B.S., M.S., Michigan State University.  
Physiology.  
Major Professor: J. Meites, Professor.  
Thesis: Studies on Prolactin Secretion In Vitro.

John James Paterson, Ed.D.  
B.S., M.Ed., University of Idaho.  
Education.  
Major Professor: D. R. Krathwohl, Professor.  

John Wilson Porter, Ph.D.  
A.B., Albion College; M.A., Michigan State University.  
Education.  
Major Professor: Buford Steffire, Professor.  
Thesis: The Development of an Inventory to Determine the Problems of Foreign Students.

David Bruce Pryor, Ph.D.  
B.A., M.S., University of Michigan.  
Psychology.  
Major Professor: M. R. Denny, Professor.  

Gerald Raymond Rasmussen, Ed.D.  
B.S., M.A., Michigan State University.  
Education.  
Major Professor: C. M. Campbell, Professor.  
Thesis: A Study of Administrative Organization for the Improvement of Instruction in the Public Schools of the State of Michigan, Exclusive of the Upper Peninsula and the City of Detroit.
S. Arthur Reed, Ph.D.
B.S., M.A., Kent State University.
Zoology. Major Professor: R. A. Fennell, Professor.
Thesis: Biochemical and Histochemical Studies of Esterases in Liver, Kidney and Spleen of Young and Adult Mice, Strain C57 BL.

Richard Dale Reimer, Ph.D.
B.A., Bethel College; M.S., Kansas State.
Economics. Major Professor: A. Y. Koo, Professor.

Elliott Hilton Rosenberg, Ph.D.
B. Econ., University of South Africa; M.A., Michigan State University.
Psychology. Major Professor: B. L. Kell, Professor.
Thesis: Correlates of a Concept of Therapeutic Sensitivity.

Hansjakob Rothenbacher, Ph.D.
Tierarzt, Dr. Med. Vet., Ludwig-Maximilians University, Munich, Bavaria; M.S., Michigan State University.
Veterinary Pathology. Major Professor: C. C. Morrill, Professor.
Thesis: Clinicopathological Changes in Cattle, Sheep and Rabbits Caused by a North Dakota Bovine Viral Isolant.

Hugo Emil Siehr, Ed.D.
B.S., University of Wisconsin; M.Ed., Marquette University.
Education. Major Professor: K. T. Hereford, Associate Professor.
Thesis: Problems of New Faculty Members in Community Colleges.

Karl M. Skousen, Ph.D.
B.S., M.S., Brigham Young University.
Business Administration. Major Professor: C. J. Gaa, Professor.

Howard Denison Stowe, Ph.D.
B.S., University of Massachusetts; M.S., D.V.M., Michigan State University.
Veterinary Pathology. Major Professor: C. K. Whitehair, Professor.
Thesis: Pathology of Tocopherol-Deficient Mink and Swine.
SCHOOL FOR ADVANCED GRADUATE STUDIES

DOCTORAL DEGREES (Continued)

Edward Joseph Stry, Ed.D.  
B.A., Canisius College; Ed.M., University of Buffalo.  
Education. Major Professor: M. S. Smith, Professor.  

George Clark Summerfield, Ph.D.  
B.S., Michigan State University.  
Physics. Major Professor: D. Lichtenberg, Associate Professor.  
Thesis: Heavy Mesons and Their Effects on the NN and NN Scattering Amplitudes.

Jimmy B. Throneberry, Ph.D.  
B.A., David Lipscomb College; M.A., George Peabody College.  
Zoology. Major Professor: J. A. Shaver, Professor.  

Louis Frederick Vander Linde, Ph.D.  
A.B., M.A., Western Michigan University.  
Education. Major Professor: C. C. Collier, Associate Professor.  

Henry James Watts, Ph.D.  
B.A., M.A., University of Buffalo.  
Sociology and Anthropology. Major Professor: J. W. Artis, Professor.  

Lewis Elton Weeks, Ph.D.  
B.A., Michigan State University; A.M., University of Michigan.  
Communication Arts. Major Professor: W. B. Emery, Professor.  

Osborn Oliver Wells, Ph.D.  
B.S., M.F., New York College of Forestry.  
Forestry. Major Professor: J. W. Wright, Associate Professor.  
Thesis: Geographic Variation in Ponderosa Pine (Pinus Ponderosa Dougl. ex Laws).
DOCTORAL DEGREES (Continued)

David Leroy Westby, Ph.D.  
B.S., M.A., University of Wisconsin.  
Sociology and Anthropology. Major Professor: J. W. Artis, Professor.  

Richard Alvin Westmaas, Ph.D.  
B.A., Calvin College; M.A., Michigan State University.  
Psychology. Major Professor: C. L. Winder, Professor.  
Thesis: Management of Hostility and Verbal Functioning in College Males.

Norbert Francis Wiley, Ph.D.  
B.S., Loyola; M.A., Notre Dame.  
Sociology and Anthropology. Major Professor: J. W. Artis, Professor.  

Donald Monroe Wilkins, Ph.D.  
B.A., Southwestern at Memphis; M.S., North Carolina State.  
Psychology. Major Professor: A. G. Dietze, Professor.  

Clarence Murray Williams, Ed.D.  
B.M., Western Michigan College; M.A., Michigan State University.  
Education. Major Professor: W. W. Farquhar, Professor.  
Thesis: An Exploratory Investigation of the Effects of Class Size and Scheduling Related to Achievement and Motivational Outcomes.

Richard John Wiseman, Ph.D.  
B.S., M.S., Springfield College.  
Psychology. Major Professor: J. Reyher, Assistant Professor.  

Lewis Chapman Wood, Ed.D.  
B.S., Central Michigan University; M.A., University of Michigan.  
Education. Major Professor: W. H. Roe, Professor.  