COMMENCEMENT 1971
MICHIGAN STATE UNIVERSITY
THE COMMENCEMENT COMMITTEE

Herman L. King, Chairman
Lloyd R. Champion
Everett R. Emino
John Farley
   Student Representative
Horace C. King

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John G. Laetz
Milton E. Muelder
Kermit H. Smith
Lynda Stierle
   Student Representative

DIPLOMAS WILL BE AVAILABLE FOR PICKUP AS FOLLOWS:

Advanced Graduate degrees ....beginning Apr. 5 — Room 150 Hannah Administration Building
Master degrees .....................beginning Apr. 12 — Room 150 Hannah Administration Building
Bachelor degrees ....................beginning Apr. 19 — Room 50 Hannah Administration Building

Diplomas will be released only to the degree recipients upon presentation of identification. Diplomas not picked up by May 10 will be mailed.
COMMENCEMENT 1971
Sunday, March 14
University Auditorium, East Lansing
Conferral of Graduate Degrees, 10 A.M.
Conferral of Baccalaureate Degrees, 3 P.M.
Michigan State University operates under the jurisdiction of a constitutional body known as the Board of Trustees. The eight elected members serve eight-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 Board has general supervision of the University and the control and direction of all expenditures of University funds.

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THE HONORABLE PATRICIA CARRIGAN ........................................Ann Arbor
THE HONORABLE FRANK HARTMAN ..............................................Flint
THE HONORABLE WARREN M. HUFF .............................................Plymouth
THE HONORABLE BLANCHE MARTIN ...........................................East Lansing
THE HONORABLE FRANK MERRIMAN ...........................................Deckerville
THE HONORABLE DON STEVENS ................................................Okemos
THE HONORABLE KENNETH W. THOMPSON ...................................Grand Rapids
THE HONORABLE CLAIR WHITE ................................................Bay City

CLIFTON R. WHARTON, JR., Ex Officio, President .......................East Lansing
JACK BRESLIN, Secretary .......................................................East Lansing
ROGER WILKINSON, Treasurer ................................................East Lansing
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 have long, pointed sleeves. Those worn by masters 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 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. Arts 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 color as established by the Intercollegiate Code.

| College of Agriculture and Natural Resources | Drab                |
|                                            |                    |
| Forest Products                             | Copper             |
| Forestry, Packaging                          |                    |
| College of Arts                             |                    |
| and Letters                                 | Royal Blue         |
| Music                                       | Crimson            |
| Philosophy                                  | Silver Gray        |
| College of                                  |                    |
| Business                                    |                    |
| Economics                                   |                    |
| College of                                  |                    |
| Communication Arts                          |                    |
| Journalism                                  |                    |
| Speech                                      |                    |
| College of Education                        |                    |
| Light Blue                                  |                    |
| College of Engineering                      | Orange             |
| College of                                  |                    |
| Home Economics                              | Maroon             |
| College of                                  |                    |
| Human Medicine                              | Green              |
| James Madison College                       | Citron             |
| Justin Morrill College                      | White              |
| Lyman Briggs                                |                    |
| College                                     | Golden Yellow      |
| College of                                  |                    |
| Natural Science                             | Golden Yellow      |
| Nursing                                     | Apricot            |
| College of                                  |                    |
| Osteopathic Medicine                        | Green              |
| College of                                  |                    |
| Social Science                              | Citron             |
| College of                                  |                    |
| Veterinary Medicine                         | Dark Gray          |
ORDER OF CEREMONIES
Graduate Degrees

PROCISIONAL

Triumphal March

\[Grieg\]

The University Symphony Orchestra, \textit{conducted by Gordon Mehling}

AMERICA

\[Smith\]

(The Orchestra and Audience)

PRAYER

Rabbi Philip Frankel

Congregation Shaarey-Zedek

COMMENTS

Dr. Jeanette Lee

Dean, College of Human Ecology, Michigan State University

CONFERRING OF DEGREES

Clifton R. Wharton, Jr., M.A., Ph.D.

President, Michigan State University

ALMA MATER

\[Traynor\]

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

(The Orchestra and Audience)

PRAYER

Rabbi Frankel

RECESSIONAL

Knightsbridge March

\[Coates\]

The escorts for the procession are members of Mortar Board, Tower Guard and Alpha Lambda Delta, honor societies for University women.

The audience is requested to remain seated while those in the procession are entering and leaving the auditorium.
ORDER OF CEREMONIES
Baccalaureate Degrees

PROCESIONAL

TRIUMPHAL MARCH ...................................................... Grieg
The University Symphony Orchestra, conducted by Gordon Mehling

AMERICA ........................................................................ Smith
(The Orchestra and Audience)

PRAYER

RABBI PHILIP FRANKEL
Congregation Shaarey-Zedek

ADDRESS

THE HONORABLE WADE H. MCCREE, JR.
Judge, U. S. Court of Appeals, 6th Circuit, Detroit

SPECIAL MUSIC

MERRY WIVES OF WINDSOR ........................................ Nicolai
The University Symphony Orchestra, conducted by Gordon Mehling

CONFERRING OF DEGREES

CLIFTON R. WHARTON, JR., M.A., Ph.D.
President, Michigan State University
Music by the University Brass Ensemble
PROFESSOR DOUGLAS CAMPBELL, Director

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

PRAYER

RABBI FRANKEL

RECESSIONAL

KNIGHTSBRIDGE MARCH ................................................ Coates
The University Symphony Orchestra, conducted by Gordon Mehling

The escorts for the procession are members of Mortar Board, Tower Guard and Alpha Lambda Delta, honor societies for University women.
The audience is requested to remain seated while those in the procession are entering and leaving the auditorium.
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 117th year, Michigan State has grown from three buildings and six faculty members to one of the largest universities in the nation. It has more than 3,000 staff members engaged in teaching, research and public service, 428 buildings, and approximately 5,000 acres of land of which 2,010 acres are in existing or planned campus development.

Founded in 1855 to educate youth for the major occupation of that day—farming—MSU has broadened its offerings to meet the educational needs of today. Michigan State now has the School for Advanced Graduate Studies and 16 colleges—Agriculture and Natural Resources, Arts and Letters, Business, Communication Arts, Education, Engineering, Human Ecology, Human Medicine, James Madison, Justin S. Morrill, Lyman J. Briggs, Natural Science, Osteopathic Medicine, Social Science, Veterinary Medicine and the University College. Nearly 200 areas of specialization are available to undergraduates; approximately 300 are offered for graduate students.

The Honors College, which enables superior students to waive normal graduation requirements and undertake individual programs, attracts many of the nation's finest young scholars. Michigan State University also is a prominent sponsor of the National Merit Scholarship Program, an unusually select group of scholars.

One of the many innovations in higher education made by Michigan State University is its coeducational academic-residence halls. Incorporation of classrooms and faculty offices with living, dining and recreational facilities has given these giant dormitories, now nine in number, a stimulating academic environment. Each of these halls is the center of curricular and noncurricular activities, creating a "college within a college" atmosphere.

The "small college within the larger university" concept was introduced at MSU by the establishment of the Justin S. Morrill College, which offers a limited enrollment liberal education program with an international emphasis. The concept was expanded by the establishment and opening of the James Madison College and the Lyman J. Briggs College. James Madison offers a curriculum for the study of public policy problems within the framework of the social sciences and related disciplines. Lyman Briggs makes available a liberal curriculum for students especially interested in science and mathematics.
Today, more than 40,000 students attend the University at East Lansing. About 80 percent are from Michigan, representing every section of the state. Students also come from every state in the nation and 81 foreign countries.

In the land-grant tradition it pioneered, Michigan State University is concerned with research and service as well as teaching.

All colleges and the Agricultural Experiment Station are engaged in a wide range of research. Approximately 2,000 individual projects are in progress. The University's research tools include the Control Data 3600 and 6500 Computers, a 50-million-volt cyclotron, and the MSU Observatory which houses a three-ton, 24-inch reflecting telescope. Modern facilities include the following buildings: chemistry, biochemistry, psychology research, veterinary medicine, plant science research, natural resources, food science, pesticide research, and Life Sciences I.

Through an agreement with the Atomic Energy Commission, MSU has become a national center for basic research on plants and their reactions to radiation; involved is construction of a $2 million building, a staff of approximately 90 persons and an annual budget of approximately $1 million.

Benefits of the University are brought to every county in Michigan by the Cooperative Extension Service and the Continuing Education Service. Their programs, on and off campus, provide a wide range of technical information and formal course work for hundreds of thousands of Michigan citizens. The Kellogg Center for Continuing Education, one of the finest conference centers in the nation, annually hosts nearly 50,000 adults who come to the campus for some 600 conferences and other educational meetings.

Michigan State University's land-grant concept of service is international. Supported by grants from the federal government and private foundations, Michigan State University maintains research and technical assistance projects in Asia, Africa and Latin America. International projects have given many faculty members overseas experience, adding a new dimension to their teaching.

With more than a century of educational achievement behind it, Michigan State University continues to apply its academic and physical resources to the problems of today and the challenges of the future.
HONORARY DEGREES

MAX M. FISHER

Your prominence as an industrial executive and your leadership in civic and humanitarian causes mark you as one of this country's leading citizens. Beginning four decades ago as a pioneer in the development of Michigan's oil industry, you have, through your own vision, energy and intelligence, become a consultant and director in many of Michigan's major financial, public service and industrial organizations. These activities have been enriched by your dedication to civic undertakings, including your chairmanship of New Detroit, Incorporated and the United Foundation of Detroit. Your presidency of the United Jewish Appeal and your appointment by President Nixon as a Special Advisor on Urban and Community Affairs are indicative of your leadership in humanitarian causes and community service. Your extensive support of the Detroit Symphony Orchestra, the Fisher Theater and the Detroit Museum of Arts illustrates your devotion to the advancement of the fine arts. Because of your notable contributions to the economic and cultural welfare of your fellow citizens and to America's industrial progress, Michigan State University is pleased to grant you the degree of Doctor of Humane Letters.

HOWARD JAMES

Since your graduation from Michigan State University in 1958, you have had an uncommonly successful career in the field of journalism. As a reporter for the Chicago Tribune, and later as a writer and bureau chief for the Christian Science Monitor, you carried out a variety of assignments and responsibilities with vigor, diligence and imagination. Your deep concern with social problems and the best interests of the common people are evidenced by your penetrating writings on the civil rights movement and other national issues. It is indicative of your professional enterprise and social awareness that you not only observed and described Dr. Martin Luther King's confrontation with the civil authorities at Selma, Alabama, in 1965, but also that you were interviewing Dr. King when he was first arrested and detained after being awarded the Nobel Prize. Because of the integrity and truth which your work exemplifies, you have received numerous awards, the most notable being the Pulitzer Prize in Journalism in 1968 for your distinguished series of articles on the crisis in our courts. In recognition of the great credit which you have brought to yourself and this institution, and your dedication to the highest standards of American journalism, Michigan State University is pleased to grant you the degree of Doctor of Laws.
Your achievements as a lawyer and jurist have been extraordinary. As a Detroit attorney and Circuit Judge in Wayne County you gave clear evidence of your integrity, your keen sense of justice and your deep loyalty to the principle of human rights. More recently, as a U. S. District Judge and as Judge of the U. S. Court of Appeals for the 6th Circuit, you have demonstrated the accomplishments which are possible for men of vision, perseverance and faith. Your active participation in civic causes such as the United Foundation of Detroit, the Boy Scout movement, and community health programs reveals an exemplary citizen with a sincere concern for the welfare of his fellow men of whatever race or nationality. In giving freely of your time and energy to these and other important responsibilities, such as your vice chairmanship of the Board of Trustees of Fisk University, and on the Board of Overseers of Harvard University, you have contributed generously to social progress in Michigan and in the nation. Because of your outstanding record in social and legal affairs, and because in all your endeavors you have so ably supported the cause of justice and human dignity, Michigan State University is pleased to grant you the degree of Doctor of Laws.

Your long and distinguished career in education and public administration has brought you widespread recognition. Between the beginning of your professional life as a rural schoolteacher and your present position as Distinguished Emeritus Professor of Education at this university, you served in many capacities, such as principal and superintendent of public schools, and professor at the University of Chicago. In addition to being an exemplary teacher, you produced a number of outstanding studies of American higher education. It was this rich and varied background which you brought to Michigan State University in 1953, and in the ensuing years you have contributed greatly to its educational policies and planning.

The innovativeness and dedication which have marked your academic enterprises are also characteristic of your labors in public administration, where you have served as a Director of the Tennessee Valley Authority, a member of President Roosevelt’s Committee on Administrative Management, and consultant to such varied projects as the Pakistan Academies for Rural Development and the UNESCO Committee to the Philippines. Because of your eminent role in improving higher education and public administration both in this country and abroad, and in special recognition of your faithful and important service to this institution, Michigan State University is pleased to grant you the degree of Doctor of Laws.
THE CANDIDATES FOR DEGREES

1971 CLASS ROSTER

This includes the names of candidates for degrees for March, 1971.

Candidates are listed by School for Advanced Graduate Studies and by colleges. The colleges are arranged in the order in which they were established.
SCHOOL FOR ADVANCED GRADUATE STUDIES

Milton E. Muelder, Dean

CANDIDATES FOR THE DOCTORAL DEGREE

STUART JEROME ACRES, Ph.D.

ROBERT BURTON ARUNDALE, Ph.D.

PETER GEOFFREY ASHTON, Ph.D.

PETER MYLES BANTING, Ph.D.

HAROLD REPTON BENNETT, Ph.D.
B.Th., West Indies College; M.A., Andrews University. Speech and Theatre. Major Professor: David Ralph, Professor. Thesis: A Rhetorical Analysis of the Preaching of Evangelist Hiram S. Walters, President of the West Indies Union Conference of Seventh-day Adventists.

MARK MANUEL BERRIO, Ph.D.
### SCHOOL FOR ADVANCED GRADUATE STUDIES

#### CANDIDATES FOR THE DOCTORAL DEGREE (Continued)

<table>
<thead>
<tr>
<th>Name</th>
<th>Institution Details</th>
<th>Major Field and Graduate Program</th>
<th>Thesis Title</th>
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<tbody>
<tr>
<td>Gary James Bloomfield, Ph.D.</td>
<td>B.S., Bowling Green State University; M.A., Michigan State University. Education. Major Professor: Robert O. Nolan, Professor.</td>
<td></td>
<td>Thesis: A Descriptive Study of Senior Driver Accident Records in the State of Michigan by Age Group, Sex, Urban and Rural Residency.</td>
</tr>
</tbody>
</table>
SCHOOL FOR ADVANCED GRADUATE STUDIES

CANDIDATES FOR THE DOCTORAL DEGREE (Continued)

DONALD JOSEPH CHASE, Ph.D.
B.S., The Ohio State University; M.A.T., Michigan State University. Education. Major Professor: George R. Myers, Professor. Thesis: A Comparative Study of the Cooperative Michigan State University-Lansing Serl Project and the Conventional Program of Student Teaching with Reference to Openness and Attitude Formation.

MUHAMMAD ASLAM CHAUDHARY, Ph.D.

VICTOR G. CICIRELLI, Ph.D.

WILLIAM HUGHES CUNNINGHAM, Ph.D.

CHARLES MICHAEL CUSKADEN, Ph.D.
B.S., Purdue University; M.S., University of Kentucky. Agricultural Economics. Major Professor: Lester V. Manderscheid, Professor. Thesis: An Analysis of Worker Productivity in Apple Picking.

DAWN ELLIOTT DAVIS, Ph.D.
B.A., Bob Jones University; M.A., Michigan State University. Education. Major Professor: Troy L. Stearns, Professor. Thesis: A Study of the Effect of Volunteer Assistants for Teachers in Reading in Grade Four in a Middle-Size-Middle Socio-Economic Area School.

CHARLES GOOD DENLINGER, Ph.D.

GERRIT EARL DEYOUNG, Ph.D.
SCHOOL FOR ADVANCED GRADUATE STUDIES

CANDIDATES FOR THE DOCTORAL DEGREE (Continued)

ELIAS DICKERMAN, Ph.D.  B.A., Brandeis University; M.S., Michigan State University. Physiology. Major Professor: Joseph Meites, Professor. Thesis: Radioimmunoassay for Rat Growth Hormone; Further Studies on the Control of Growth Hormone Secretion in the Rat.


KENNETH I. FOX, Ph.D.  B.S., University of Illinois; M.S., Michigan State University. Food Science. Major Professor: Richard V. Lechowich, Professor. Thesis: Germination and Germination-Like Changes in Spores of Clostridium botulinum Type E.
SCHOOL FOR ADVANCED GRADUATE STUDIES

CANDIDATES FOR THE DOCTORAL DEGREE (Continued)

GARY JASON FROST, Ph.D.

DAVID ALLEN FULLER, Ph.D.
B.S., University of Rhode Island; M.A., Michigan State University. Education. Major Professor: Donald A. Burke, Associate Professor. Thesis: Evaluating Motor Performance of Trainable Mentally Handicapped Boys and Girls, Ages Eight Through Twenty-One.

ALINE LUCILE GARRETSON, Ph.D.

PAUL CHARLES GLANCE, Ph.D.

RENATO JAMES GONZÁLEZ, Ph.D.

DONALD RICHARD GRAY, Ph.D.

TINA GREWAL, Ph.D.

JACK GRANGER GRIFFIN, Ph.D.
SCHOOL FOR ADVANCED GRADUATE STUDIES

CANDIDATES FOR THE DOCTORAL DEGREE (Continued)

Kerry Francis Harris, Ph.D.
B.S., Louisiana State University; M.S., Loyola University. Entomology. Major Professor: James E. Bath, Associate Professor. Thesis: The Fate of Pea Enation Mosaic Virus in its Pea Aphid Vector, Aegryrhisiphon pisum (Harris).

Lawrence Dean Harris, Ph.D.

Robert Allen Harris, Ph.D.

Donna Leah Henseler, Ph.D.

Linda Hunt Hester, Ph.D.

Walter David Hoeksema, Ph.D.

Orva Lee Ice, Jr., Ph.D.
A.B., University of Pittsburgh; M.A., University of Chicago. Education. Major Professor: Vandel C. Johnson, Professor. Thesis: An Analysis of the Academic Achievement of Adult Undergraduate Students in the Liberal Arts Program at Macomb County Community College During the Academic Year, 1968-1969.
CANDIDATES FOR THE DOCTORAL DEGREE (Continued)

Zubair Iqbal, Ph.D.
B.A., Government College; M.A., Punjab University.
Economics. Major Professor: Mordechai Kreinin, Professor.
Thesis: The Comparative Advantage of Developing Countries in the
Manufacturing Industries and the Effects of Generalized Tariff
Preferences.

Christopher Ensign Jones, Ph.D.
B.A., Oakland University.
Chemistry. Major Professor: K. J. Coskran, Assistant Professor.
Thesis: Part I: Substituted Group VIB Metal Carbonyl Complexes
of Dimethyl Methylphosphonite and Bis(Dimethylamino)Methylphos-
phine. Part II: The Synthesis and Spectroscopic Properties of Some
Cyanophosphines and Their Chromium and Molybdenum Carbonyl
Complexes.

Robert Eric Keen, Ph.D.
B.S., Kansas State University; M.S., Michigan State University.
Zoology. Major Professor: George H. Lauff, Professor.
Thesis: A Probabilistic Approach to the Dynamics of Natural Popula-
tions of the Chydoridae, (Cladocera, Crustacea).

Alfred S. King, Ph.D.
B.S., Ohio University; M.S., Florida State University.
Education. Major Professor: Robert E. Gustafson, Professor.
Thesis: A Study of Selected Factors Related to Snowmobile Traffic
Accidents in the State of Michigan.

Cenyw Kenneth Kline, Ph.D.
B.S., B.S., M.S., Michigan State University.
Education. Major Professor: Guy E. Timmons, Professor.
Thesis: The Design and Preliminary Testing of a Mechanization Train-
ing Program for Trainees with Low Levels of Education.

Naotada Kobamoto, Ph.D.
B.S., University of Ryukyus; M.S., Michigan State University.
Biophysics. Major Professor: H. Ti Tien, Professor.
Thesis: The Effect of Temperature on the Biphasic Photopotentials
of All-Trans-Retinal Bimolecular Lipid Membranes.

John Kok, Ph.D.
B.A., University of Michigan; M.A., University of Toledo.
English. Major Professor: Arnold Williams, Professor.
Thesis: The Manipulations of the Narrative Lines in Spenser’s Faerie
Queene.

Thomas Yao-Ting Kuo, Ph.D.
B.S., Taiwan Normal University; M.S., Dalhousie University.
Physics. Major Professor: Charles R. Gruhn, Professor.
Thesis: Energy Dependence of Proton Inelastic Scattering from Ca$^{40}$.
Paul Labine, Ph.D.

B.S., University of Massachusetts, Chemistry. Major Professor: Carl H. Brubaker, Jr., Professor.
Thesis: Preparation and Characterization of Transition Metal Complexes of Several 5-Substituted Tetrazoles.

Steven Joel Leon, Ph.D.

B.S., M.S., Michigan State University, Mathematics. Major Professor: Gerald D. Taylor, Associate Professor.
Thesis: The Hardy Spaces and Other Related Function Spaces.

Ronald Keith Limberg, Ph.D.

B.S., M.Ed., Wayne State University, Education. Major Professor: William W. Joyce, Associate Professor.
Thesis: Relationships Between Indirect-Direct Teaching, Teacher Characteristics and School Climate.

Donald MacDonald, Ph.D.

B.S., M.A., Michigan State University, Communication. Major Professor: R. Vincent Farace, Associate Professor.
Thesis: Communication Roles and Communication Content in a Bureaucratic Setting.

Ronald Joseph Marino, Ph.D.

B.S., University of Detroit; M.A., Michigan State University, Education. Major Professor: Calhoun C. Collier, Professor.
Thesis: The Effects of a Concentrated In-Service Program Designed to Improve Elementary Teachers' Attitudes Toward Children.

Thomas E. McClung, Ph.D.

B.A., College of Wooster; M.A., The Ohio State University, Education. Major Professor: Vandel C. Johnson, Professor.
Thesis: A Study of the Attitudes of Managerial Personnel Toward Student Protest.

R. Samuel Mehrley, Ph.D.

B.S., Bowling Green State University; M.S., University of Southern Mississippi, Communication. Major Professor: Gerald R. Miller, Professor.
Thesis: Incentive as a Mitigator of the Extent to Which One's Attitudes are Inferred from One's Behavior: Studies in the Theory of Self-Perception.

Rosamond Mitchell, Ph.D.

B.A., M.A., Ohio University, Psychology. Major Professor: Bill L. Kell, Professor.
Thesis: Relationship Between Therapist Response to Therapist-Relevant Client Expressions and Therapy Process and Client Outcome.

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SCHOOL FOR ADVANCED GRADUATE STUDIES

CANDIDATES FOR THE DOCTORAL DEGREE (Continued)


CANDIDATES FOR THE DOCTORAL DEGREE (Continued)

Richard Elton Palmer, Ph.D.
Biochemistry. Major Professor: Richard L. Anderson, Professor.
Thesis: Metabolism of Celllobiose, Gentiobiose, and Cellobiitol in *Aerobacter aerogenes*.

Bonita Lynn Perry, Ph.D.
B.S., Wayne State University; M.A., Michigan State University.
Communication. Major Professor: Gerald R. Miller, Professor.

Fred Petrovich, Ph.D.
B.S., M.S., Clarkston College.
Physics. Major Professor: Hugh McManus, Professor.
Thesis: Some Observations Concerning the Use of Realistic Forces in a Microscopic Description of the Inelastic Scattering of Nucleons from Nuclei at Medium Energies.

Daniel Philip Radawski, Ph.D.
B.S., Aquinas College; M.S., Michigan State University.
Physiology. Major Professor: Francis J. Haddy, Professor.
Thesis: Role of Cations and Osmolality in Local Blood Flow Regulation and in Hemorrhage.

Raymond Edward Reilly, Ph.D.
B.S., M.S., Michigan State University.
Fisheries and Wildlife. Major Professor: Leslie W. Gysel, Professor.
Thesis: Factors Influencing Habitat Selection by the Least Chipmunk in Upper Michigan.

Peter Hamilton Rich, Ph.D.
B.S., Hunter College; M.S., Michigan State University.
Botany and Plant Pathology. Major Professor: Robert G. Wetzel, Associate Professor.
Thesis: Utilization of Benthic Detritus in a Marl Lake.

Roderick D. Riggs, Ph.D.
B.S., University of Dubuque; M.S., Iowa State College.
Education. Major Professor: Julian R. Brandou, Professor.
Thesis: A Study of Junior College Level Physics in German Speaking Europe.

Clair R. Rood, Ph.D.
B.S., M.S., Wisconsin State University.
Education. Major Professor: James L. Page, Professor.
Thesis: A Study of Selected Newer Educational Media Variables as Compared to Upper Elementary Student Standardized Achievement Scores.
CANDIDATES FOR THE DOCTORAL DEGREE (Continued)

Mark Alan Roseman, Ph.D.

Henry Rottenbiller, Ph.D.

Micheline A. Rozier, Ph.D.

David Paul Ruggles, Ph.D.

Marcelo Rodolfo Ruiz, Ph.D.

Arjan Tirathdas Sadhwani, Ph.D.

Paul Shigeichi Sakamoto, Ph.D.

Bahram Salagegeh, Ph.D.
CANDIDATES FOR THE DOCTORAL DEGREE (Continued)

Vernon Charles Seguin, D.B.A.  
B.Ch.E., The Ohio State University; M.B.A., West Virginia University. Business Administration (Marketing). Major Professor: Donald J. Bowersox, Professor.  

Yaghoub Shafai-Sahrai, Ph.D.  
Thesis: An Inquiry into Factors that Might Explain Differences in Occupational Accident Experience of Similar Size Firms in the Same Industry.

Raymond James Shuster, Ph.D.  
Thesis: An Exploratory Study of the Ethical Perceptions of Middle and Lower Level Managers and the Influence of Non-Technical Variables on Their Decisions.

Steven Alan Spigarelli, Ph.D.  
B.A., Northwestern University; M.S., University of Illinois. Fisheries and Wildlife. Major Professor: Niles R. Kevern, Professor.  
Thesis: Effects of Biogeochemical Factors on the Accumulation of $^{137}$CS Fallout by Large-Mouth Bass (Micropterus salmoides).

George Michael Stancel, Ph.D.  
B.S., College of St. Thomas. Biochemistry. Major Professor: William C. Deal, Jr., Associate Professor.  
Thesis: Reversible Dissociation of Yeast Glyceraldehyde-3-Phosphate Dehydrogenase in the Presence of Adenosine Triphosphate.

George Henry Stankey, Ph.D.  
B.S., M.S., Oregon State University. Geography. Major Professor: Ian M. Matley, Professor.  

Thomas Martin Steinfatt, Ph.D.  
Thesis: Ambiguity as a Predictor of Syllogistic Difficulty.

Lloyd Vernon Swanson, Ph.D.  
B.S., M.S., University of Minnesota. Dairy. Major Professor: Harold D. Hafs, Professor.  
Thesis: Endocrine, Behavioral, and Ovarian Changes in Holstein Heifers from Puberty to Breeding Size.
CANDIDATES FOR THE DOCTORAL DEGREE (Continued)

Tommy Kay Teague, Ph.D.
B.A., Hendrix College; M.A., University of Kansas.
Mathematics. Major Professor: Richard E. Phillips, Associate Professor.
Thesis: On Marginal Subgroups and Their Generalizations.

Annette Ruth TenElshof, Ph.D.
B.S.Ch.E., University of Michigan; M.A., Wheaton College; Ed.S.,
Michigan State University.
Education. Major Professor: Laurine E. Fitzgerald, Professor.
Thesis: A Pilot Examination of Decision-Making in the Small College
Setting.

Colleen Joan Theusch, Ph.D.
B.Ed., Domican College; M.S., University of Detroit.
Mathematics. Major Professor: Charles R. MacCluer, Assistant Pro-
fessor.
Thesis: Determination of the Hilbert Class Field for Certain Algebraic
Number Fields.

David Arthur Thomas, Ph.D.
B.S., M.A., Wayne State University.
Education. Major Professor: Gregory A. Miller, Professor.
Thesis: A Study of Selected Factors on Successfully and Unsuccess-
fully Treated Alcoholic Women.

J. Edward Tornga, Ph.D.
B.A., Kalamazoo College; M.S., Michigan State University.
Mathematics. Major Professor: Gerald D. Taylor, Associate Professor.
Thesis: Approximation From Varisolvent and Unisolvent Families
Whose Members Have Restricted Ranges.

Bruce Philip Tracy, Ph.D.
A.B., East Nazarene College; M.A., Michigan State University.
English. Major Professor: Clyde E. Henson, Professor.
Thesis: Henry James's Representation of Inner Consciousness in Medi-
tation Scenes from the Late Novels.

Christopher Kenneth Vanderpool, Ph.D.
B.S., St. Procopius College; M.A., Michigan State University.
Sociology. Major Professor: John Useem, Professor.
Thesis: Visiting Foreign Scientists in the United States: The Impact
of Systemic and Role Circumscription and Dissociative Experiences on
the Homogeneity of the International Scientific Community.

Ralph Joseph Venere, Ph.D.
B.S., Drexel Institute of Technology.
Botany and Plant Pathology. Major Professor: Clifford J. Pollard, As-
sociate Professor.
Thesis: Nucleoside Phosphotransferase, Phosphomonoesterase and Cy-
clic Nucleotide Phosphodiesterase Activities of Carrot Leaves.
# School for Advanced Graduate Studies

**Candidates for the Doctoral Degree (Continued)**

<table>
<thead>
<tr>
<th>Name</th>
<th>Degree(s)</th>
<th>Major(s)</th>
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<tr>
<td>Sheau-Lo H Yang, Ph.D.</td>
<td>B.S., National Taiwan University.</td>
<td>Botany and Plant Pathology. Major Professor: Albert Ellingboe, Professor.</td>
<td>Thesis: The Role of Specific Genes in Primary Infection of Wheat and Barley by Erysiphe Graminis.</td>
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</table>
EDUCATIONAL SPECIALIST DEGREE

John William Delonas, Ed.S.  
B.A., Drew University; M.A., Columbia University.  
Education. Major Professor: William K. Durr, Professor.

Manouchehr Kia, Ed.S.  
B.S., Military Academy, Iran; M.A., Tehran University.  
Education. Major Professor: Rex E. Ray, Associate Professor.

Frank Edward Letherby, Ed.S.  
B.S., Central Michigan University.  
Education. Major Professor: John Parsey, Professor.

Milton John Miller, Ed.S.  
B.S., Stout State University; M.A., University of Michigan.  
Education. Major Professor: Richard L. Featherstone, Professor.

Herbert Harry Palmer, Ed.S.  
B.S., M.A., Michigan State University.  
Education. Major Professor: Philip A. Cusick, Assistant Professor.

Gerald G. Ritenburgh, Ed.S.  
B.S., Central Michigan University; M.A., Western Michigan University.  
Education. Major Professor: John M. Parsey, Associate Professor.

Camille D. Smith, Ed.S.  
B.A., Syracuse University; M.A., University of Boston.  
Education. Major Professor: William W. Farquhar, Professor.

Sandra Lee Wallen, Ed.S.  
B.A., M.A., Michigan State University.  
Education. Major Professor: Byron H. Van Roekel, Professor.

DIPLOMA FOR ADVANCED GRADUATE STUDY

Mark Edward Rosenhaft, D.A.G.  
B.A., Hobart College; M.S., State University of Buffalo.  
Microbiology and Public Health. Major Professor: David Bing, Assistant Professor.
### DEGREE OF MASTER OF SCIENCE

<table>
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<tr>
<th>Field</th>
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<tr>
<td>Agricultural Economics</td>
<td>Saeed Ahmad, Nancy J. Fong, Nguyen Minh Hai</td>
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<td>Patrick Joseph Higgins, Moon Kyu Lee</td>
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<td>Robert Alexander Milligan, Muhammad Zillur Rahman</td>
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<td>Agricultural Extension</td>
<td>Ismael Dick Odur</td>
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<td>Animal Husbandry</td>
<td>Don Albert Woodburn, Reena Ann Yonkosky</td>
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<td>Biochemistry</td>
<td>Rosa Maria Hemphill, Leonard John Mascaro, Jr.</td>
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<td>Crop Science</td>
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<td>Fisheries and Wildlife</td>
<td>William James Adams</td>
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<td>Patrick Joseph Toohey</td>
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* With Honor
** With High Honor
DEGREE OF BACHELOR OF SCIENCE

Fisheries and Wildlife
Thomas Lee Chiotti
George Andrew Jackson
Marshall Spencer Newman
Timothy Craig Payne
Donald George Schwartz
James W. Spring

Food Science
**Sharon Lea Gilbert
Steven P. Green
Jeffrey Kay Mowry

Forestry
Giles Douglas Coon
Thomas Edwin Heintz
Jean Sheila MacKenzie
Steven Frank McCollum
Michael J. Murphey
Peter Joseph Overholt
Bruce Leslie Webster

Horticulture Science
Gary Robert Beck

William Lynford Elzerman
Catherine Huff Hasselback
Warren Randall Willmeng

Packaging
Gerald Alan Brian
John Edwin Burnham
Edwin Ross Challacombe
Thomas Patrick Cole
Lawrence Clifford Dull
Michael Owen Duvall
Stephen Fraser
Craig S. Gibson
Barry Ronald Heydenberk
Clarence John Kronberg
Robert Louis Meitz
Roy Calvin Nichols, Jr.
Daniel Lee Osbeck
Ronald Albert Poisson
*Richard Cecil Rhodes, Jr.
Michael William Rupprecht
J. Michael Smith
David Stanley Tolbert
James Sherman Willis

Park and Recreation
Resources
James S. Taylor

Poultry Science
*Robert Townsend Furness

Resource Development
Robert Henry Gartner

Soil Science
**Terence Robert Ellard

DEGREE RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

Agricultural Education
Lawrence C. Elmleaf
Roy Milton Hein
Richard J. McDaniels
Gerald Mitchell Scienski

* With Honor
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COLLEGE OF ENGINEERING

DEGREE OF MASTER OF SCIENCE

Civil Engineering
Chen-Peng Chao
Dennis R. Cle
Orlando Jose Martinez
Ugueto
Dinakar Voruganti

Computer Science
Alan Harold Russell

Electrical Engineering
Mirza Sarfraz Mohd. Baig
Mirza Siddiq Beg
Dean Carl Fehn

Mechanical Engineering
Joseph Dho
William Stillman Kopulos

Metallurgy
Lawrence John Jacobs
Russell Lee Wiisanen

Systems Science
Ashok Kanuru Rao

Chemical Engineering
James Eugene Cole

Civil Engineering
Janis Auzins
**Wayne Alexander Charlie
**Robert Leo Crowley
**Ronald Harold Flachs
Donald Ellsworth Lund
Terry L. Matthews
Gary William Menzel
*Henry Carl Molise
Michael Ralph Orlandella
Michael Gene Phillips
Daniel Bruce Ploger
*David Jeffrey Sherk
Doyle Gene Warnell
George Andrew Wentz
Robert Lee Whedon
**Daniel Rex Wolf
Ronald Gary Woolfe

Computer Science
*Norman David Young

Electrical Engineering
Dallas T. Cushman
Robert Charles Knapp
H**Richard Leroy Marx

Mechanical Engineering
Sanford Donald Backos
Michael Thomas Bergin
Charles Peter Durby
John Little Dice
John David Dumitru
Donald James Gokee
Fred Paul Herschelman
David R. Karrer
David LeRoy Killion
H**Gerald Thomas Kutchey
Jack Martinic

DEGREE OF BACHELOR OF SCIENCE

Chemical Engineering
James Eugene Cole

Civil Engineering
Janis Auzins
**Wayne Alexander Charlie
**Robert Leo Crowley
**Ronald Harold Flachs
Donald Ellsworth Lund
Terry L. Matthews
Gary William Menzel
*Henry Carl Molise
Michael Ralph Orlandella
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*David Jeffrey Sherk
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Computer Science
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Electrical Engineering
Dallas T. Cushman
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Charles Peter Durby
John Little Dice
John David Dumitru
Donald James Gokee
Fred Paul Herschelman
David R. Karrer
David LeRoy Killion
H**Gerald Thomas Kutchey
Jack Martinic

DEGREE RECOMMENDED JOINTLY WITH THE COLLEGE OF AGRICULTURE AND NATURAL RESOURCES

Agricultural Engineering
Gerald Edgar Danner
Lloyd Eugene Lerew

H Honors College
** With Honor
* With High Honor
DEGREE OF
MASTER
OF ARTS
Child Development
Michele Ann Hartmus
Family Studies
Marilyn Ann Olson
Home Economics Education
Mary Ann Zepp
Home Management
Norleem Marion Ackerman

DEGREE OF
MASTER
OF SCIENCE
Nutrition
Charlotte Foy Huhtanen

DEGREE OF
BACHELOR
OF SCIENCE
Community Services
Ruth Ann Erhardt
Kathleen Ann Ware
Foods
Adrian Hope Olson
Sandra Lynn Simms
General Clothing and Textiles
Carolyn Ruth Moore
Veronica Jean Sherbino
General Home Economics
Celeste Curran Casey
Interior Design
*Pamala Grayson
Melinda Lange
Mary E. Monroe
Evelyn Joey Owens
Retailing of Textiles and Clothing
A. Pamela Argersinger
*Elizabeth Jo Campbell
Florence Irene Clark
Lenna Diane Cummings
Margaret Priscilla Eames
Elizabeth Ann Finn
*Gail Marie Hjortsberg
*Pamela Ann House
Carole Anne Hudenko
**Paula Marie Kluhn
Joyce Lea McGuire
Carol Jean McLaughlin
Mary Anne O'Brien
Jill Ann Popiolek
Lynda B. Prokup
*Linda Ann Simpson
Linda Catherine Studders
Sandra Lee Wells
DEGREE RECOMMENDED
Jointly with the College of Education
Child Development and Teaching
Karen Kay Hankey
Carol Jane Hohnke
*Pamela Ann Lowry
Jenda Jo Verhines
Home Economics Teaching
Judy Louise Adams
Bonnie Louise Ford
Dianne Irene Hartenburg
Janet R. Hoppough
*Sally Hemenway Jones
Nancy Lee Leatherman
**Theresa Volpe Marcin
Linda Lee McIntyre
Patricia Marie Meyer
Linda Ellen Moore
Victoria Mae Ohs
Susan Florence Quick
**Karen Louise Roe
Mary Margaret Schoenherr
Catherine B. Shrier
*Cynthia Ann Woller

* With Honor
** With High Honor
# COLLEGE OF VETERINARY MEDICINE

**Willis W. Armistead, Dean**

## DEGREE OF MASTER

**OF SCIENCE**

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<th>Large Animal Surgery and Medicine</th>
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## DEGREE OF BACHELOR

**OF SCIENCE**

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| Patrick Joseph Gorczyca           | Robert Joseph Thrift            |
| **Deborah Ann Lees**              | *William Clark Truesdale*       |
| **Deborah Marian Smith**          | **Francis Leonard Welcome**     |
| Paul Edward Taylor                | *David John Whitten*            |

* With Honor
** With High Honor
Kullervo Louhi, Dean

DEGREE OF
MASTER OF ARTS
Mehdi Azimi-Tabrizi
Evan Jones
Jean Lynn Kerckhove

DEGREE OF
MASTER OF BUSINESS ADMINISTRATION

Graduate School of Business Administration

Shiv Kumar Arora
Evandro Camilo Azeredo
Frank Joseph Baccari
Lloyd S. Baird
Karl Heinz Bergmann
Roger Birdsell, Jr.
Ross Edwin Bowker
Mehmet Sinan Bozok
Wesley Forrest Byloff
Ernest Albert Campo
Fernando Gomez Carmona
Juan Luis Colaiacovo
Eduardo Nioac Desalles
Robert Scott Farnham
David Jon Felsing
James Michael Gleeson
Gerald A. Gronceski
Rolf Parker Grorud
Victor Guillermo Gutierrez
Nelson Lee Harborth
Daniel Arthur Huntington

Accounting
Daryl John Althaver
Edward DeLos Coller
H Donna Marie Louise DePauw
William Sheldon
Gladstone, III
John LaShalle Gulish
Thomas Allen Harrower
Cory Lloyd Huf
Philip Eldon Kline

Economics
Thomas Wade Brown
John William Callahan

DEGREE OF
BACHELOR OF ARTS
Michael David Lieberman
James Patrick McCarroll
Michael Dee McIntyre
Glen William Peters
John Russell Swift
Joyce Irena Wolverton

**Economics
Thomas Wade Brown
John William Callahan

H**James K. Jackson

H*Paul Korda
Richard Jon Kraai
Bernard Joseph Kroupa
*Martha Coon Mertz
H**Benjamin Simon Neuhansen
Joelwyn Marie Perlberg
Robert Joseph Potocki
*Ronald James Sipes
**Harold Colonna Watkins
George William Zimmerman

Financial Administration
Raymond Cochran

H**Mary Delores Firlit
Lawrence Alan Sharley
Roger Laurel Thompson
**James W. Wert

General Business
Administration
Richard Allan Adams

H**James K. Jackson

H Honor College
*With Honor
**With High Honor

Hi Paul Korda
Richard Jon Kraai
Bernard Joseph Kroupa
*Martha Coon Mertz
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Joelwyn Marie Perlberg
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Raymond Cochran

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Lawrence Alan Sharley
Roger Laurel Thompson
**James W. Wert

General Business
Administration
Richard Allan Adams
Health Facilities Management
   Michael Charles Iott

Hotel and Restaurant Management
   Steven Lee Ainsworth
   Floyd Edwin Gaunt
   Robert Joseph Hayward
   Richard L. Le Baron
   Richard Geoffrey Lorenz
   George Philip Nelson
   Wayne James Russell
   Edward Chester Ruttan
   John Ray Scholz
   Margaret Mary Wood

Industrial Administration
   Fredrick Richard Heine
   Arthur Donald Kiddle, Jr.
   Brian David Lorenz
   Roger Alan Pritzel
   Burton Thomas Stover
   Jerome Bruce Valade, Jr.
   Robert Ewald Ziener

Marketing
   Roger Besu
   John Nelson Campbell
   Charles Joseph Doll
   Patrick Lynn Kish
   Michael Joseph Markey
   Theodore John Petroff
   Bradley Wyman Riesenberger
   *Dave Sander
   Thomas John Squiers
   Alfred Frederick Steiner, II
   Michael T. Warner
   Willard Frederick Wyman

Personnel Administration
   James Dennis Crain

H **David Allen Guenther
   Allen Eugene Guitar
   Robert Hudak
   Gary Lynn Peterson
   Daniel Lee Wentzloff

Transportation Administration
   Glenn Thomas Muncie

Degree recommended jointly with the College of Education

Business Education
   Anthony James Benson
   Gerald Dean Brown
   Jacqueline Jean Bucklew
   Norma Jean Harvey
   Mary Frances Miller
   Anton Ralph Presecan

H Honors College
   *With Honor
   **With High Honor
# COLLEGE OF EDUCATION

## JOHN E. IVEY, JR., DEAN

### DEGREE OF MASTER OF ARTS

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<td>Janet Sawiak Williams</td>
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<td>J. C. Womack</td>
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<td>Jane Johnson Zatechka</td>
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<td>Maurice Frank Zeleny</td>
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<td>Richard Roy Ziegler</td>
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<tr>
<th>Name</th>
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<tbody>
<tr>
<td>Virginia Anne Acheson</td>
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<td>Karen Ann Adair</td>
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<td>Ilia Marguerite Ambrook</td>
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<td>Mary Lee Bimba</td>
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<td><strong>Helen Burch Bixler</strong></td>
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<tr>
<td><em>Pamela Lively Blankenship</em></td>
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<tr>
<td>Paula R. Blodgett</td>
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Graham, Jr.
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Michael Joseph Muir
John Popescu
Michael John Rodgers
*Kenneth Michael Saxon
*John William Schultzer
*Steven William Siegrist
James Andrew Thomas
David Garret Townshend

Christopher James McClure
Betty Mae McKenzie
Martha Louise Pagacz
*Martha Louise Roach
John Maynard Roseboom
Sandra-Lynne Balderston
Schrader
Kathleen Perry Smith
*Patricia Ann Street
Barbara Whited Walkington
Sara Elizabeth West
Katherine Louise Willey
**Gratia Karmes Worgess

Sociology
*Sylvia Saulsberry Charton
*Howard William Ivey
Carol Elizabeth Lindsey
Patricia Renee Wichowski

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Geography
*Brian Robert McLennihan

Social Science Teaching
*James K. Blackburn
David Edward Criner
*John Robert Dalton
Larry Walter Dloksi
Lucinda M. Hearl
Richard Norman Imer

H**Shirley Ann Kettles
Ann Leigh LeBlond
Geneva Irene Mateer
Daniel Joseph Mazany

Landscape Architecture
Jeffrey James Benesi
Don Michael Blackburn
James Ike Burkart
**Richard Roberts Fayram
Robert Johnson Grill

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Landscape Architecture
(Continued)
Thomas Roger Hanford
Robert Max Hartman
*Gary Robert Hath
*Thomas John Laetz
Larry Jay Peterman
H*Gregory Charles Randall
David William Vince
David Laurel Wickham
Donald John Zbin
Andrew James Zeigler

Political Science
Jason Pierce Lovette

Psychology
Judith Ann Anderson
John E. Baczk, Jr.
Robert James Beuerle
Bonnie Marilyn Bliss
*Doyle Laverne Bush
Terry Sue Harris
Robert John Hendriian
H**Jean Ann Jaskoski
*Norman Larry Kelley
Arthur Huntleigh Kindlund
Cheryl Susan Kurtis
Thomas Stanley Kurylo
Arnoldo Martinez
H*John William Michael
Lee Anthony Moss
*Bruce David Perron
H*James Michael Reinders
Thomas Samuel Vance
*Steven Paul Walker
James Michael Warrington

Social Science
Frank Charles Barrese, Jr.
Brian F. Baumgart
Frederick Morse Beach
Gregory Matthew Beauvais
Philip B. Brittain
Tom Neil Bruggeman
David Russell Buck
William Gerald Carefelle
Frederick Rufus Dodge
*Ann Sherry Fishman
Albert Anthony Forte, Jr.
Gary W. Freestone
Dean Duane Furnish
James Michael Gibbons
Kristin Ann Godby
Richard Olin Goedert
Gregory Thomas Haley
H**William Henry Harrison, Jr.
Walter Henschke
Larry Z. Hood
Sandra Rose Hoppa
Paul Emery Jennings
William Edward Johnson
William Sheldon Lantz
Teme Madelyn Levbarg
Robert William Lindner
Nancy Charlotte Martin
Paul Francis Martin
Katherine R. McEvoy
Michael Justin McLoughlin
Stanley Eugene Moerdlyk
Jeffrey Glenn Mull
Thomas Richard Noechel
Steven Michael Peltz
Frederick Bruce Porter
Mark J. Pozdol
John Robert Riedl
Thomas Chalmers Roland

Richard Keith Rose
*Paul A. Schlachter
Fredrick R. Schotte
Thomas Dewey Sells
*Julie Ann Sheldon
Karl Edgar Shepard
Robert Lee Sherburn
*Michael Cosmo Sigona
Richard Theodore Smith
William Arthur Tingay
Phillip Carl Uecker
Milton Jerome Vann
William Clay Young

Sociology
Stephen Ellery Corey
Renita Rae Davis
John William Ettner
Suzanne Marie Genix
Beverly Jeanne Hampton

Urban Planning
Jan David Gierman

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Social Science Teaching
Thomas Arthur Borin
Donald Henry Hakala
John Francis Kababik
Georanne Lark
Jeffrey Lee Schroeder
Dian Rutgers Snively
Kris Michael Taylor
Larry D. Teal
Frances Carlotta Wilson

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D. GORDON ROHMAN, DEAN

DEGREE OF

BACHELOR

OF ARTS

Phyllis Elaine Beer
Patricia Ann Bennett
Mary Louise Detjen
Christine Ann Engelhard
Peter Grant Gillis
Jill Harrison
Vivian Heacox
Grace Higginbottom
Susan Ruth Ingerson
Peter Charles Kenney
Judith Vivia King

Linda Ellen Lauff
Sarah Elizabeth Lee
Andrea Marie Leininger
David Peter Marciniak
Martha Kay McDowell
Joe Wolens Milkes
Susan Carol Misener
Marion Jesse Nowak
Carl Ray Reed
Mary Ann Sibley
Ronald Raymond Smoker

DEGREE RECOMMENDED

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Elizabeth Anne Boromisa
Patricia Mary Derouin
John Steven Huston
Synthia Mary Peterson
Joanne Mary Schmitz

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## DEGREE OF MASTER OF SCIENCE

**Anatomy**
Heather M. Murray

**Clinical Laboratory Science**
Margaret Mary Salik

## DEGREE OF BACHELOR OF SCIENCE

**Medical Technology**
Nancy Kathryn Bush

Warren Haven Taylor
HERBERT GARFINKEL, DEAN

DEGREE OF
BACHELOR OF ARTS

H**Keith Allen Ashmus
*Kenneth Duane Corbett
Maryann Margaret Downer
Margot Ann Freeman
Diane Marie Green
Kristeen S. Hanselman
H**Katherine Theresa Haracz

*Karen Ann Heath
*David Brian Hicks
Penny Lou Lawyer
*Pamela Neal Meyer
Konnie Jean Parks

H**Beth Louise Schroeder
Stephen Arthur Swift

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*Barbara Elyse Hippler

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LYMAN BRIGGS
COLLEGE

Frederic B. Dutton, Dean

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<tr>
<th>DEGREE OF BACHELOR OF SCIENCE</th>
<th>DEGREE RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION</th>
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<tr>
<td>H**Mary Ann Cooper</td>
<td>H**Margaret Virch Howard</td>
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<td>*Linda Lee Knowlton</td>
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<td>H**Gordon Richard Lewis</td>
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<td>*Robert Gregory Slating</td>
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The following students have completed their ROTC Education at Michigan State University and have received their commissions as reserve officers of the United States Air Force or the United States Army in the branches indicated.

AEROSPACE STUDIES
John E. Baczuk, Jr.

MILITARY SCIENCE
*James Karl Jackson
   Field Artillery
William Clay Young
   Air Defense
   Medical Service Corps
Mario Peter Scontrino
   Quartermaster Corps
Leigh Van Lydegraf
   Transportation Corps
John Michael King

* Distinguished Graduate