

VA 13.1  
March



**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

MADISON KUHN

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.**

# BOARD OF TRUSTEES

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.

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

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CLIFTON R. WHARTON, JR., <i>Ex Officio, President</i> .....	<i>East Lansing</i>
JACK BRESLIN, <i>Secretary</i> .....	<i>East Lansing</i>
ROGER WILKINSON, <i>Treasurer</i> .....	<i>East Lansing</i>



# 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 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 ..... <i>Maize</i>	COLLEGE OF HOME ECONOMICS ..... <i>Maroon</i>
Forest Products, Forestry, Packaging ..... <i>Russet</i>	COLLEGE OF HUMAN MEDICINE ..... <i>Green</i>
COLLEGE OF ARTS AND LETTERS ..... <i>White</i>	JAMES MADISON COLLEGE ..... <i>Citron</i>
Music ..... <i>Pink</i>	JUSTIN MORRILL COLLEGE ..... <i>White</i>
Philosophy ..... <i>Navy Blue</i>	LYMAN BRIGGS COLLEGE ..... <i>Golden Yellow</i>
COLLEGE OF BUSINESS ..... <i>Drab</i>	COLLEGE OF NATURAL SCIENCE ..... <i>Golden Yellow</i>
Economics ..... <i>Copper</i>	Nursing ..... <i>Apricot</i>
COLLEGE OF COMMUNICATION ARTS ..... <i>Royal Blue</i>	COLLEGE OF OSTEOPATHIC MEDICINE ..... <i>Green</i>
Journalism ..... <i>Crimson</i>	COLLEGE OF SOCIAL SCIENCE ..... <i>Citron</i>
Speech ..... <i>Silver Gray</i>	COLLEGE OF VETERINARY MEDICINE ..... <i>Dark Gray</i>
COLLEGE OF EDUCATION ..... <i>Light Blue</i>	
COLLEGE OF ENGINEERING ..... <i>Orange</i>	

# ORDER OF CEREMONIES

## Graduate Degrees

### PROCESSIONAL

TRIUMPHAL MARCH ..... *Grieg*  
The University Symphony Orchestra, *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

### PROCESSIONAL

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

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.



# MICHIGAN STATE UNIVERSITY

(continued)

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.

## HONORARY DEGREES

WADE H. MCCREE, JR.

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.

FLOYD W. REEVES

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 AGRES, Ph.D. B.S., Illinois Institute of Technology; M.A., Michigan State University. Psychology. Major Professor: Paul Bakan, Professor.  
Thesis: Audiological and Information Processing Considerations in Dichotic Listening.
- ROBERT BURTON ARUNDALE, Ph.D. B.S., M.A., Rensselaer Polytechnic Institute. Communication. Major Professor: Randall P. Harrison, Associate Professor.  
Thesis: The Concept of Process in Human Communication Research.
- PETER GEOFFREY ASHTON, Ph.D. B.S., California State Polytechnic College; M.S., University of Arizona. Resource Development. Major Professor: Clifford R. Humphrys, Professor.  
Thesis: Recreational Boating Carrying Capacity: A Preliminary Study of Three Heavily Used Lakes in Southeastern Michigan.
- PETER MYLES BANTING, Ph.D. B.A., M.B.A., McMaster University. Business Administration (Marketing). Major Professor: William Lazer, Professor.  
Thesis: Imagery in Vertical Distribution Channel Structure: An Empirical Investigation of Steel Service Center Images.
- 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. B.S., University of San Carlos; M.S., University of Michigan. Civil Engineering. Major Professor: Charles E. Cutts, Professor.  
Thesis: Analysis of Frame Structures Made of Linear Viscoelastic Materials.

# SCHOOL FOR ADVANCED GRADUATE STUDIES

## CANDIDATES FOR THE DOCTORAL DEGREE (Continued)

- MARTIN HEWETT BILLINGS, Ph.D.      B.A., Tufts University.  
Agricultural Economics. Major Professor: Robert D. Stevens, Associate Professor.  
Thesis: Economics of Commercial Egg Production in Eastern Nigeria.
- GARY JAMES BLOOMFIELD, Ph.D.      B.S., Bowling Green State University; M.A., Michigan State University.  
Education. Major Professor: Robert O. Nolan, Professor.  
Thesis: A Descriptive Study of Senior Driver Accident Records in the State of Michigan by Age Group, Sex, Urban and Rural Residency.
- JAMES DEAN BLUM, Ph.D.      B.B.A., State University of Iowa; M.B.A., Michigan State University.  
Business Administration (Finance). Major Professor: A. E. Grunewald, Professor.  
Thesis: An Analysis of the Price Behavior of Initial Common Stock Offerings.
- JERRY LEE BOWER, Ph.D.      B.A., Wisconsin State University; M.A., Michigan State University.  
History. Major Professor: Frederick D. Williams, Professor.  
Thesis: The Civil War Career of Jacob Dolson Cox.
- SAMUEL BRITTON BURCHFIELD, Ph.D.      B.S., East Tennessee State University.  
Audiology and Speech Science. Major Professor: William F. Rintelmann, Professor.  
Thesis: Perceptions of Amplitude Compressed Speech by Persons Exhibiting Loudness Recruitment.
- THOMAS HAROLD BURKHARDT, Ph.D.      B.S., M.S., Michigan State University.  
Agricultural Engineering. Major Professor: Bill A. Stout, Professor.  
Thesis: Impact Loading of Corn and Its Effect on Quality.
- ARTHUR ROBERT BUSS, Ph.D.      B.M., M.M., University of Michigan.  
Music. Major Professor: Robert G. Sidnell, Associate Professor.  
Thesis: The Development and Investigation of a Semantic Differential Instrument for Use with Music.
- EDILBERTO ZALVIDEA CAJUCOM, Ph.D.      B.S.F., University of Philippines; M.F., Syracuse University.  
Resource Development. Major Professor: Michael Chubb, Associate Professor.  
Thesis: Michigan Summer Trail Users: A Pilot Study of User Patterns and Characteristics.
- ROBERT JOHN CHAMBERLAIN, Ph.D.      B.S., Eastern Michigan University; M.A., University of Michigan.  
Education. Major Professor: Richard L. Featherstone, Professor.  
Thesis: A Rationale for the Establishment of the Concept of Differentiated Staffing in the Public Schools of Lansing, Michigan.



# 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. B.A., Government College, Pakistan; M.A., Punjab University. Agricultural Economics. Major Professor: Lester V. Manderscheid, Professor.  
Thesis: An Analysis of the Performance of the Fertilizer Distribution System in West Pakistan.
- VICTOR G. CICIRELLI, Ph.D. B.S., University of Notre Dame; M.A., University of Illinois; M.Ed., University of Miami. Psychology. Major Professor: Charles Hanley, Professor.  
Thesis: Concept Learning of Young Children as a Function of Sibling Relationship to Child-Teachers.
- WILLIAM HUGHES CUNNINGHAM, Ph.D. B.A., M.B.A., Michigan State University. Business Administration (Marketing). Major Professor: W. J. E. Crissy, Professor.  
Thesis: An Analysis of Market Segmentation on the Basis of Emotional-Attitudinal Variables in the United States Compact Car Market.
- 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. B.A., Elizabethtown College; M.S., University of Illinois. Mathematics. Major Professor: John J. Masterson, Associate Professor.  
Thesis: Kothe Families in Vector Lattices.
- GERRIT EARL DEYOUNG, Ph.D. B.A., University of Michigan; M.A., Michigan State University. Psychology. Major Professor: James L. Phillips, Associate Professor.  
Thesis: Effect of Knowledge of Reward and Imposed Divisibility of Reward upon Social Contacts and Bargaining in a Three Person Coalition Game.

# 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.

THOMAS EDWARD DICKINSON, Ph.D.

B.S., University of California.  
Agricultural Economics. Major Professor: Vernon L. Sorenson, Professor.  
Thesis: The Impact of the U. S. Changing Its Tariff on Mexican Winter Tomatoes: 1967 and 1977.

LOUIS JOHN ESPARO, Ph.D.

B.S., Southern Connecticut State College; M.A., Fairfield University.  
Education. Major Professor: Louis G. Romano, Associate Professor.  
Thesis: An Assessment of Student Attitudes and Involvement in the Environmental Quality Program of the Mott Institute-Okemos Secondary School Project.

WARREN H. EVINS, Ph.D.

B.S., University of Illinois.  
Biochemistry. Major Professor: Joseph E. Varner, Professor.  
Thesis: Hormonal Regulation of Protein Synthesis in Barley Aleurone Layers.

MICHAEL MACKEY FOLSOM, Ph.D.

B.S., Portland State University; M.A., Michigan State University.  
Geography. Major Professor: Harold A. Winters, Associate Professor.  
Thesis: Glacial Geomorphology of the Hastings Quadrangle, Michigan.

EUGENIO FONSECA-TORTOS, Ph.D.

L.L., University of Madrid; Diploma, Latin American Faculty of Social Sciences.  
Sociology. Major Professor: Frederick B. Waisanen, Professor.  
Thesis: Social Stratification, Some Aspects of Social Mobility and Family Planning in the Context of Modernization.

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.      B.A., Hunter College; M.A., Kent State University.  
Education. Major Professor: Richard L. Featherstone, Professor.  
Thesis: The Building of an Academic Community: James Madison College.
- 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.      B.S., Roanoke College; M.S., Michigan State University.  
Microbiology and Public Health. Major Professor: Charles L. San Clemente, Professor.  
Thesis: Metabolism of Acetate by *Nitrobacter agilis*.
- PAUL CHARLES GLANCE, Ph.D.      B.S., Michigan State University; M.S., University of Michigan.  
Mechanical Engineering. Major Professor: Maria Z.v. Krzywoblocki, Professor.  
Thesis: Flow-Passage-Geometry Optimization Inside a Model Compressor Rotor.
- RENATO JAMES GONZÁLEZ, Ph.D.      B.A., M.A., University of Michigan.  
Spanish, Language and Literature. Major Professor: Carlos M. Terán, Professor.  
Thesis: The Art of Carlos Fuentes: Novelization of Ethical Issues.
- DONALD RICHARD GRAY, Ph.D.      B.S., Mount Union College.  
Chemistry. Major Professor: Carl H. Brubaker, Professor.  
Thesis: Part I: The Preparation and Characterization of a Series of Chloroalkoxobiscyclopentadienylzirconium(IV) and Dialkoxobiscyclopentadienylzirconium(IV) Compounds. Part II: Nitrogen Fixation Under Mild Conditions by Using Some Organometallic Compounds of the Second-Row Transition Elements as the Activating Agents.
- TINA GREWAL, Ph.D.      B.S., M.S., Lady Irwin College.  
Nutrition. Major Professor: Olaf Mickelsen, Professor.  
Thesis: Adaptive Responses to Semistarvation and Refeeding in Rats.
- JACK GRANGER GRIFFIN, Ph.D.      B.A., M.A., Michigan State University.  
Education. Major Professor: Russell J. Kleis, Professor.  
Thesis: An Examination of Head Start Teacher and Teacher Aide Relationships with Implications for Supervision and Career Development.

# 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, *Acyrtosiphon pisum* (Harris).

LAWRENCE DEAN HARRIS, Ph.D.

B.S., Iowa State University; M.S., Michigan State University.  
Fisheries and Wildlife. Major Professor: George A. Petrides, Professor.  
Thesis: Some Structural and Functional Attributes of the Semi-arid East African Ecosystem.

ROBERT ALLEN HARRIS, Ph.D.

B.S., M.A., Wayne State University.  
Music. Major Professor: H. Owen Reed, Professor.  
Thesis: Requiem: A Canticle of Immortality.

DONNA LEAH HENSELER, Ph.D.

B.A., Augustana College; M.A., University of South Dakota.  
English. Major Professor: Clyde E. Henson, Professor.  
Thesis: Vico's Doctrine of *Ricorso* in James Joyce's *Finnegans Wake*.

LINDA HUNT HESTER, Ph.D.

B.S., M.S., University of Wisconsin.  
Education. Major Professor: Laurine E. Fitzgerald, Professor.  
Thesis: Differential Perceptions of Factors Important in the Selection of Student Personnel Administrators in Midwestern Universities.

WALTER DAVID HOEKSEMA, Ph.D.

B.S., Calvin College; M.A., Western Michigan University.  
Microbiology and Public Health. Major Professor: Delbert E. Schoenhard, Professor.  
Thesis: The Biochemical Basis for Sulfite and Riboflavin Accumulation by *Salmonella pullorum*.

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.



# SCHOOL FOR ADVANCED GRADUATE STUDIES

## 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)Methylphosphine. 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 Populations 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.

CERNYW 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 Training 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  $\text{Ca}^{40}$ .

# SCHOOL FOR ADVANCED GRADUATE STUDIES

## CANDIDATES FOR THE DOCTORAL DEGREE (Continued)

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.



## SCHOOL FOR ADVANCED GRADUATE STUDIES

### CANDIDATES FOR THE DOCTORAL DEGREE (Continued)

- THEODORE WILLIAM MOELLER, Ph.D.      B.S., The Ohio State University; M.S., Michigan State University.  
Food Science. Major Professor: Clifford L. Bedford, Professor.  
Thesis: Chemical Analysis of Concord Grape Essence as Related to  
Concord Grape Flavor.
- WILLIAM JOHN MORRIS, JR., Ph.D.      B.B.A., Hardin-Simmons University; M.P.A., University of Texas.  
Business Administration (Accounting). Major Professor: Floyd W.  
Windal, Professor.  
Thesis: Accounting for Common Stocks for Church Pension Funds —  
An Empirical Evaluation.
- WAYNE JOHN MORSE, Ph.D.      B.B.A., Siena College; M.B.A., Cornell University.  
Business Administration (Accounting). Major Professor: B. C. Lemke,  
Professor.  
Thesis: The Allocation of Production Costs with the Use of Learning  
Curves.
- DANIEL G. MUÑOZ, Ph.D.      B.A., M.A., Michigan State University.  
Education. Major Professor: Norman Kagan, Professor.  
Thesis: The Effects of Simulated Affect Films and Videotape Feed-  
back in Group Psychotherapy with Alcoholics.
- MARVIN ARTHUR NEEDLER, Ph.D.      B.S., M.S., Purdue University.  
Systems Science. Major Professor: Gerald L. Park, Associate Professor.  
Thesis: Linear and Nonlinear Discrete Filtering for Continuous  
Systems.
- BARBARA ANN NICHOLAS, Ph.D.      B.A., Montclair State College; M.S., Ed.S., Indiana University.  
Education. Major Professor: J. Geoffrey Moore, Professor.  
Thesis: Floyd W. Reeves on Curriculum.
- NEILL HODGES NUTTER, Ph.D.      B.S., Wheaton College; M.S., Michigan State University.  
Education. Major Professor: Elwood E. Miller, Associate Professor.  
Thesis: The Compilation and Evaluation of Instructional Objectives  
for Introductory Geology Courses Taught by the Audio-Tutorial Ap-  
proach at Institutions of Higher Learning in the United States.
- HENRY DUVAL OLSEN, Ph.D.      B.S., M.S., State University of New York.  
Social Science. Major Professor: Wilbur Brookover, Professor.  
Thesis: The Effect of Compensatory Education Upon the Self-Con-  
cept-of-Academic Ability of Black and White Pre-College Students.

# SCHOOL FOR ADVANCED GRADUATE STUDIES

## CANDIDATES FOR THE DOCTORAL DEGREE (Continued)

- RICHARD ELTON PALMER, Ph.D.  
B.A., Washington and Jefferson College.  
Biochemistry. Major Professor: Richard L. Anderson, Professor.  
Thesis: Metabolism of Cellobiose, 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.  
Thesis: Differential Effort in Counterattitudinal Advocacy: Effects on Attitude Change and Extinction.
- 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.



## SCHOOL FOR ADVANCED GRADUATE STUDIES

### CANDIDATES FOR THE DOCTORAL DEGREE (Continued)

- MARK ALAN ROSEMAN, Ph.D.      B.S., University of Michigan.  
Biochemistry. Major Professor: Willis A. Wood, Professor.  
Thesis: A Model System Analysis of the Mechanism of 2-keto-3-deoxy-6-phosphogluconic Acid Aldolase: The Catalytic Role of the Schiff Base Intermediate.
- HENRY ROTTENBILLER, Ph.D.      B.Ed., University of Alberta; M.A., Middlebury College.  
German, Language and Literature. Major Professor: Raimund Belgardt, Associate Professor.  
Thesis: Metaphorik der Psychogenen Kausalität in der Dichtung Heinrich von Kleists.
- MICHELINE A. ROZIER, Ph.D.      B.A., University of Idaho; M.A., Pennsylvania State University.  
French, Language and Literature. Major Professor: Georges J. Joyaux, Professor.  
Thesis: Trajectoire Idéale du Héros Roblésien ou La Métamorphose du Héros.
- DAVID PAUL RUGGLES, Ph.D.      A.B., A.M., University of Michigan.  
Education. Major Professor: J. Geoffrey Moore, Professor.  
Thesis: The Contributions of James Mill and Robert Owen to a State Philosophy of Popular Education in England 1800-1839.
- MARCELO RODOLFO RUIZ, Ph.D.      B.A., University of Costa Rica; M.S., Inter-American Institute.  
Horticulture. Major Professor: Robert L. Carolus, Professor.  
Thesis: Effects of Evaporative Cooling Irrigation on *Brassica* Species and Soil Application of Herbicides on Mineral Composition of Pea (*Pisum sativum*).
- ARJAN TIRATHDAS SADHWANI, Ph.D.      B.A., M.COM., Bombay University; B.COM, Sidharatth College.  
Business Administration (Accounting). Major Professor: Gardner M. Jones, Professor.  
Thesis: Accounting for Land Development.
- PAUL SHIGEICHI SAKAMOTO, Ph.D.      B.A., M.A., San Jose State College.  
Education. Major Professor: Richard L. Featherstone, Professor.  
Thesis: A Study of Drug Abuse Education Programs of Selected Public High Schools in Michigan.
- BAHRAM SALAGECHEH, Ph.D.      M.S., Tehran University; M.S., Michigan State University.  
Mechanics. Major Professor: David H. Y. Yen, Associate Professor.  
Thesis: Elastic Wave Propagations in Transversely Anisotropic Media.



# SCHOOL FOR ADVANCED GRADUATE STUDIES

## 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.  
Thesis: An Investigation of the Factors Inhibiting Growth of Containerization in Domestic Surface Freight Shipments.
- YAGHOUB SHAFAI-SAHRAI, Ph.D.      B.A., Military Academy; M.P.A., University of Tehran; M.B.A., Michigan State University.  
Business Administration (Management). Major Professor: Rollin H. Simonds, Professor.  
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.      B.S.B.A., M.B.A., Wayne State University.  
Business Administration (Management). Major Professor: Rollin H. Simonds, Professor.  
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 <sup>137</sup>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.  
Thesis: The Perception of Wilderness Recreation Carrying Capacity: A Geographic Study in Natural Resources Management.
- THOMAS MARTIN STEINFATT, Ph.D.      B.A., M.A., Michigan State University.  
Communication. Major Professor: Gerald R. Miller, Professor.  
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.

## SCHOOL FOR ADVANCED GRADUATE STUDIES

### 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., Dominican 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 Jame'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)

JOHN VONDRUSKA, Ph.D.

B.Sc., University of California; M.S., Michigan State University.  
Agricultural Economics. Major Professor: A. Allan Schmid, Professor.  
Thesis: An Economic Analysis of Small Watershed Project Evaluation Procedures.

PHILIP GERALD WARD, Ph.D.

B.A., M.A., M.A., Eastern Michigan University.  
Education. Major Professor: Max Raines, Professor.  
Thesis: A Descriptive Study of the Perceptions of Community Needs Held by Officers of Selected Voluntary Associations in a Non-Urban Community College District.

ROBIN NOEL WIDGERY, Ph.D.

B.A., M.A., Michigan State University.  
Speech and Theatre. Major Professor: David C. Ralph, Professor.  
Thesis: Audience Commitment and Source Knowledge of Audience as Determinants of Cognitive Dissonance and Subsequent Change Of Attitude and Self Perception Following Counterattitudinal Advocacy.

HOSSEIN YAGHOOBI-RAHMATABADI, Ph.D.

Licentiate, University of Iran; M.A., Michigan State University.  
Economics. Major Professor: Victor Smith, Professor.  
Thesis: The Most Efficient Production Techniques for Providing Nutrition and Income from the Agricultural Sector of Nigeria.

SHEAU-LOH YANG, Ph.D.

B.S., National Taiwan University.  
Botany and Plant Pathology. Major Professor: Albert Ellingboe, Professor.  
Thesis: The Role of Specific Genes in Primary Infection of Wheat and Barley by Erysiphe Graminis.

BENITO O. YU, Ph.D.

B.Sc., University of Santo Thomas. M.Sc., McGill University.  
Statistics. Major Professor: James F. Hannah, Professor.  
Thesis: Rates of Convergence in Empirical Bayes Two-Action and Estimation Problems and in Extended Sequence-Compound Estimation Problems.

SYED M. ZAINUDDIN, Ph.D.

B.S., Muslim University; M.S., Patna University.  
Geology. Major Professor: James W. Trow, Professor.  
Thesis: Petrology of the Granitic Rocks in the Vicinity of Republic Trough in the Upper Peninsula of Michigan.



## SCHOOL FOR ADVANCED GRADUATE STUDIES

### EDUCATIONAL SPECIALIST DEGREE

JOHN WILLIAM DELONAS, Ed.S.	B.A., Drew University; M.A., Columbia University. Education. Major Professor: William K. Durr, Professor.
MANOUTCHEHR 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.
-------------------------------	---

# COLLEGE OF AGRICULTURE AND NATURAL RESOURCES

LAWRENCE L. BOGER, DEAN

## DEGREE OF MASTER OF SCIENCE

### Agricultural Economics

Saeed Ahmad  
Nancy J. Fong  
Nguyen Minh Hai  
Patrick Joseph Higgins  
Moon Kyu Lee  
Robert Alexander Milligan  
Muhammad Zillur Rahman

### Agricultural Extension

Ismael Dick Odur

### Animal Husbandry

Don Albert Woodburn  
Reena Ann Yonkosky

### Biochemistry

Rosa Maria Hemphill  
Leonard John Mascaro, Jr.

### Crop Science

James W. Dodge  
Robert Curtice Shearman

### Dairy

Danny G. Britt  
Charles L. Goeke

### Fisheries and Wildlife

William James Adams

### Agricultural Business

Glendon Charles Daly  
Robert Jon Ginter  
Joseph E. Mausolf  
Dale Eugene Nye  
Nicholas Erhard Stotz

### Agricultural Communications

Patrick Joseph Toohey

### Agricultural Economics

Gary Michael Gettel  
Earl Robert Wissman

### Michael Dwight Beaty

Thiraphan Bhukaswan  
Gary Alan Dawson  
Maitree Duangsawasdi  
Jeffrey William Klenk  
Alan Lee Koechlein  
Stanley Richard Kosek  
Teri Littrell  
Thomas Joseph Popma  
Frank John Tesar  
James Robert Waybrant

### Food Science

Charles Wellington Grosebeck  
Richard Marc Perlmutter

### Forestry

Donald Harry Bellville  
Stephen Arthur Brown  
Robert Arthur Cool  
Thomas Gene Eiber  
Paochang Kuo  
Andrew Bruce Taylor

### Horticulture

James Lee Alsip  
Gary Allen Anderson  
Gary Lee Obenauf  
Gregory Paul Pagano  
Robert Roger Sherman, Jr.  
Lowell Howard Silsby  
Dennis Allan Snell

### Agricultural Mechanization

John Michael Ainslie

### Animal Husbandry

L. Robert Hawley

### Building Construction

Douglas Marvin Briskie  
\*Donald Conrad Clever  
Raymond John Gabriel  
Thomas Roger Haring  
Kenneth Arthur Lewis  
John A. Price

### Packaging

Edward Allen Church  
Robert Max Fiedler

### Park and Recreation

#### Resources

Richard Albert Meganck  
Wayne M. Otto

### Resource Development

Ralph Edward Christensen  
Rodney Hans Despain  
Stephen Michael Gibson  
Robert Allen Harrell  
Ronald Wayne Hodgson  
Ali Abdul Razaque  
Savinder Kaur Viridi  
Stanley Rojas Whitmarsh

### Soil Science

Richard Henry Leep

DEGREE RECOMMENDED  
JOINTLY WITH THE  
COLLEGE OF ENGINEERING

### Agricultural Engineering

James Alfred Carrano  
Othman Mohammad Judah

Raynold Philip St. Pierre

### Crop Science

Thomas Wade McCauley  
\*Ronald Martin Peare  
\*Edward Walter Ruesink  
Carl Harold Schwartzkopf

### Dairy

Donald Joel Bell  
\*\*Simon L. Klein  
Philip Frederick Sykes

\* With Honor  
\*\* With High Honor

## DEGREE OF BACHELOR OF SCIENCE



# COLLEGE OF AGRICULTURE AND NATURAL RESOURCES

## 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 Mac Kenzie  
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  
•• With High Honor



# COLLEGE OF ENGINEERING

LAWRENCE W. VON TERSCH, DEAN

## DEGREE OF MASTER OF SCIENCE

### Civil Engineering

Chen-Peng Chao  
Dennis R. Gle  
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

## 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  
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 Darby  
John Little Dice  
John David Dumitru  
Donald James Gokee  
Fred Paul Herschelman  
David R. Karrer  
David LeRoy Killion  
H\*\*Gerald Thomas Kutchey  
Jack Martinic

James Phillip McClure  
James Philip Miller  
Richard Dean Shears  
Robert E. Soberalski  
\*Rothwell Alan Stickley  
\*William A. Toy  
Brian Day Worgess

### Systems Science

H\*\*William A. Maas

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

# COLLEGE OF HUMAN ECOLOGY

JEANETTE A. LEE, DEAN

## DEGREE OF MASTER OF ARTS

### Child Development

Michele Ann Hartmus

### Family Studies

Marilyn Ann Olson

### Home Economics Education

Mary Ann Zepp

### Home Management

Norleen 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 Kljun  
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

Large Animal Surgery  
and Medicine  
Babiker ElHag Musa

Microbiology and  
Public Health  
Boonchuay Dulyasukdi

Pharmacology  
Philip Friedrich Von  
Voigtlander

Physiology  
Marco Vinicio Hernandez

DEGREE OF  
BACHELOR  
OF SCIENCE

Veterinary Medicine  
\*James Robert Bradford  
\*\*Dennis James Chew  
\*Virginia Laird Davidson

Patrick Joseph Gorczyca  
\*\*Deborah Ann Lees  
\*Deborah Marian Smith  
Paul Edward Taylor

Robert Joseph Thrift  
\*William Clark Truesdale  
\*\*Francis Leonard Welcome  
\*David John Whitten

\* With Honor  
\*\* With High Honor



# COLLEGE OF BUSINESS

KULLERVO LOUHI, DEAN

## DEGREE OF MASTER OF ARTS

### Economics

Mehdi Azimi-Tabrizi  
Evan Jones  
Jean Lynn Kerckhove

Joseph Paul Kish  
Lycurgus Lycurgus  
Liaropoulos

Ercan Özer  
Le Tien Thu  
Gerald A. Wesley

## GRADUATE SCHOOL OF BUSINESS ADMINISTRATION

## DEGREE OF MASTER 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 Colaiacono  
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

Kazuhiko Ichihashi  
Richard Fielding Jackson  
Darwin Lynn King  
John Michael King  
Noriyoshi Kondo  
Leon Augustus Kreger, Jr.  
Leonard Jerome Maida  
Francisco Sylvio Mazzucca  
John Cain McConahey  
Jean Benoit Michiels  
George Kenneth Miller  
David Childs Monroe  
John Howard Oviatt  
Akin Özden  
Kenneth Alan Price  
John Bennett Ramsey  
David A. Redding  
Patrick Jay Reddy  
Arthur Nagel Ryan  
Thomas John Salturelli  
John William Sargent

Pedro Luis Rivas Sarmiento  
Everardo Jose Siller  
Eduardo Cruz Sison  
George Barrett Skelton  
Gary Alan Smith  
Oytun H. Sogutlugil  
Harold Charles Stalter  
William James Starrett  
Chachavan Sukitjavanich  
Keiichiro Takishima  
Robert E. Tamm  
Ömer Baybars Tek  
Robert Hunt Tesar  
Derk Frans Van Walraven  
Donald Charles Veltman  
John L. Waltman  
Richard Gregory Weber  
Raymond Wilhelm  
Norman Allen Wise  
Arthur Po-Fun Wong

## DEGREE OF BACHELOR OF ARTS

### Accounting

Daryl John Althaver  
Edward DeLos Collier  
H\*\* Donna Marie Louise DeFauw  
William Sheldon  
Gladstone, III  
John LaShalle Gulish  
Thomas Allen Harrower  
Cory Lloyd Huf  
Philip Eldon Kline  
\*\* Michael David Lieberman  
\* James Patrick McCarroll  
\* Michael Dee McIntyre  
Glenn William Peters  
John Russell Swift  
\* Joyce Ireva Wolverton

### Economics

Thomas Wade Brown  
John William Callahan  
\* David Allen Hegler  
H\*\* James K. Jackson

### H\* Paul Korda

Richard Jon Kraai  
Bernard Joseph Kroupa  
\* Martha Coon Mertz  
H\*\* Benjamin Simon Neuhausen  
Joellyn Marie Perlberg  
Robert Joseph Potocki  
\* Ronald James Sipes  
\* Harold Colonna Watkins  
George William Zimmerman

### Financial Administration

Raymond Cochran  
H\*\* Mary Delores Firli  
Lawrence Alan Sharley  
Roger Laurel Thompson  
\* James W. Wert

### General Business

Administration  
Richard Allan Adams

Joel Leroy Beebe  
Frederick Allen Bosman  
Michael Hugh Boyd  
Gretchen Ann Bria  
Ronald Lynn Brownlow  
James Kerry Burd  
H\*\* Mark Allen Burke  
Thomas N. Crippen  
James Duane Ernst  
Joe Lee Frost  
E. Bruce Gillespie  
James Otto Hunt  
Steven A. Kuna, Jr.  
Gregory Tom McManus  
Douglas Arthur Mieden  
Roy Frank Pisasale  
Ronald Burck Sambaer  
Susan Jane Sullivan  
Charles Joseph Taunt  
Edward Henry Wernet  
Benjamin Marsh Weyhing  
\* Wayne Russell Woosley

H Honors College  
\* With Honor  
\*\* With High Honor

# COLLEGE OF BUSINESS

## DEGREE OF BACHELOR OF ARTS

### 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 Ziemer

### Marketing

\*Roger Besu  
John Nelson Campbell  
Charles Joseph Doll  
Patrick Lynn Kish  
Michael Joseph Markey  
Theodore John Petroff  
H\*\*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



# COLLEGE OF EDUCATION

JOHN E. IVEY, JR., DEAN

## Education

Audrey Juna Anderson  
James C. Anderson  
John Wayne Anderson, Jr.  
Judith F. Auerbach  
Maurice Dean Bemis  
Nancy G. Berke  
Robert John Bouman  
Karen K. Brink  
David Leslie Brown  
Anne Burk Bruce  
Sharon F. Cardwell  
Patricia A. McDonald Carter  
Duong Thi Kim Chi  
Alan G. Cordill  
Gilles Cormier  
Diane Neth Covell  
Gerald Francis Craig  
Anna Lottie Davidson  
Clare A. De Dee  
Dennis M. Demock  
Elene S. Demos  
Kathleen Jean De Vries  
Regina Sampaio Dias  
Coral Sue Dowd  
Robert Charles Drager  
Patricia L. Erickson  
Gerald Lee Evans  
Edna Marie Felmler  
Cheryl Kay Fischer  
Mary Louise Fisk  
Harvey Bruce Fletcher  
Roger William Flowers, Jr.  
Constance K. Freye  
Margaret E. Norman Gamble  
Martin Richard Gardner, Sr.  
Linda Ruby Garrett  
Frederick Wilson Garvey  
Ann Mary Gehrke  
Carole Marie Gibbons  
Joseph Anthony Gilbert  
James Michael Gills  
William Stanley Graff  
Celia Barbara Guro  
Merilyn Frances Hamlett  
Annamarie Hayes  
Richard George Heger

Ross Cornell Heim  
Alice Blanche Hickey  
James Howard Hightower  
Gala Jean Hoehn  
A. Joseph Hollerback  
Robert Wellington Hopkins  
Lorna Jean Huhn  
Barbara Hessel Jackman  
Karen Elaine Jackman  
Paul M. Jacobs  
Amos C. Johnson  
James Brian Johnson  
Joan Thomasena Jackson  
Johnson  
Shirley Jean Jordan  
Judith Jordan Kalich  
Keawta Kanawan  
Thomas Paul Ketelhut  
William Joseph Kieffer  
Shirley Ann Kierstead  
Edwin Kittrell  
Adrian Harold Koert  
Besa Vincent de Paul Kotati  
Mary Elyn Krager  
Kenneth Allen Lahti  
James Edward Lanier  
Robert Joseph Leneway  
Patricia Yvonne Leonard  
Carlo John Lubiato  
Charles Lewis Lucia  
Christina Mary Lundberg  
Dianne Candis Lytle  
Donald Winston Maine  
Robert Bennett Mangram  
Ross Ward Maxwell  
Audrey Donald McCall  
James A. McCambridge  
Donald Craig McGahan  
Robert Eugene Mehoke  
Diane Marie Rowden Metcalf  
Barbara Auten Meyers  
Barbara Ellen Miatech  
Karen Mariam Minard  
Leo Daniel Mullen  
Stephen James Muller  
Alena S. Neal  
James N. Nevels

Bruce Py Nichols  
Mary Lynn Nichols  
Suwat Niyomkar  
Julia O'Neill  
Marsha C. Owen  
Shirley Suzanne Parafin  
Wayne Douglas Parker  
Eileen Mary Perkins  
Martha Michele Poorman  
Gary J. Posner  
Richard Lewis Proud  
Phan Thi Quynhgioa  
Jacquelin Dale Rice  
Gertrude E. Rieger  
Constance Carolyn Ripstra  
Ardith Lynne Robinson  
Laura June Robinson  
Thomas Joseph Robinson  
Anselmo Lundin Rodriguez  
Ernest Leroy Russell  
Jean Ann Sallee  
Lee Edward Schaudé  
Thomas W. Smith  
Thomas Walter Steeby  
Alberta L. Strang  
Barbara Brisse Sukenik  
Robert Charles Swanson  
Phan Thi Tich Thien  
Patricia Ann Thompson  
Joycelyn Rose Tourangeau  
Seymour I. Tuchband  
Patrick James Tyrrell  
Judith Lee Valente  
Ruth Ann Van Bronkhorst  
Richard Roland Warmbold  
Carl Joseph Weber  
Gary Ray Welch  
Phyllis Kay Welsch  
Linda D. Wetherbee  
Mary Jean Wideman  
Jerald Laurence Willbur  
Janet Sawiak Williams  
Marcia Anne Williams  
J. C. Womack  
Jane Johnson Zatechka  
Maurice Frank Zeleny  
Richard Roy Ziegler

DEGREE OF  
MASTER  
OF ARTS

## Elementary Education

Virginia Anne Acheson  
Karen Ann Adair  
Ilo Marguerite Ambrook  
Barbara Ellen Ambrose

Rebecca Frew Arnold  
Arthur Andrew Beatty  
Barbara Jean Bellsky  
Judith Louise Benedict

Mary Lee Bimba  
\*Helen Burch Bixler  
\*Pamela Dewey Blankenship  
Paula R. Blodgett

DEGREE OF  
BACHELOR  
OF ARTS

\* With Honor  
\*\* With High Honor



# COLLEGE OF EDUCATION

## DEGREE OF BACHELOR OF ARTS

### Elementary Education (Continued)

Barbara Ruth Bloomer  
 \*\*Peggy Lou Bohl  
 Patricia Ann Bombe  
 Pamela Anne Bontekoe  
 Timothy Charles Brooks  
 \*\*Pamela Maria Brower  
 Georgia Felicia Buttigieg  
 Diane Woodward Buttrell  
 \*\*Deborah Ann Butzier  
 Lynda Carolyn Penelope  
   Waldrup Carrico  
 Peggy Anne Carter  
 \*Kimberly L. Castle  
 Nancy A. Clark  
 Marian Elizabeth Cooks  
 \*Mary Grace Cooper  
 Janice Sue Cowdery  
 \*Gerald Edward Coyne  
 Linda Lee Cress  
 Sharie Lynn Danaher  
 \*Nona Mavis DeMars  
 Thomas Leonard DeRoseau  
 Hillary Dobson  
 Barbara Lee Drapal  
 \*Janet Kay Eavy  
 Michealyn Doty Emling  
 Janet Marie Engel  
 Mary Anne Epker  
 Charlene Louise Farquhar  
 Bonita Jane Fennema  
 Susan Kay Fetner  
 Barbara Allen Gage  
 Marilyn Kay Galbraith  
 Nancy Lee Garber  
 Ursula Johanna Giese  
 Susan Osher Ginzler  
 Nancy Marie Greenleaf  
 \*Mary Gail Gudgeon  
 Joanne Belle Gusk  
 Lloyd Robert Hagan  
 Pamela Ann Haight

Toni Kathleen Hartke  
 \*Susan Lynn Hayward  
 Gail A. Heinebrodt  
 Janene M. Heinicke  
 Dee Ann Henn  
 Judy A. Hoffman  
 Teresa Joett Holmgren  
 Kathryn Helen Hopper  
 \*Dianne Virginia Hoy  
 Kathleen Ann Jacob  
 Linda Ann Jardine  
 Elisabeth Ann Jensen  
 Donna Lynn Johnson  
 \*Eileen Rose Jordan  
 Lindsey Layne Kahler  
 Thomas Joseph Keckeisen  
 Cynthia Deborah Keller  
 Joanne Margaret Kellermann  
 D'Anne Marie Kleinsmith  
 \*\*Nancy Elaine Koerner  
 Carol Margaret Kosanke  
 Barbara Ann Kozloff  
 Mary Monica Krenkel  
 Carolyn Anne Kronsich  
 \*Kathryn Louise Kunst  
 Carol Elizabeth Lahti  
 \*Marsha Faye Lipshaw  
 Linda Alexandrene  
   Mac Donald  
 John A. Maki  
 Larry Russell Massey  
 Joann Gail Mau  
 Diane Phyllis Maxey  
 Sara Kathryn Mayhew  
 \*Marilyn Lee McGee  
 Bethel Jeanne Mehrens  
 Joann Marie Mendham  
 Jacquelyn Jean Moore  
 Judy Lorraine Moore  
 \*Kathryn Mary Moore  
 Leslie Ann Murray  
 Donna Joyce Myers  
 Susan Marie Nehf  
 Carolyn Sexton Neifert

\*Kathy Alison Newell  
 Terry Irene Osborne  
 Judith Ann Fineman Ossipove  
 \*\*Carole Lee Overholt  
 Linda Lee Parks  
 Carolyn Ruth Pellett  
 Donna Marie Persiani  
 Rita Rae Persinger  
 Nada Popovich  
 Nancy Ann Power  
 Lynn Marie Roberge  
 Katherine Louise Rosa  
 \*Patricia Ann Saylor  
 Jan Booth Schaefer  
 Susan Elizabeth Scheibe  
 \*Eric Bernard Schmitt  
 Janet A. Schneider  
 Margaret Ann Schram  
 Patricia Lee Schwartz  
 Janet Ann Scott  
 Jane Anne Selmo  
 Suzanne Jean Shields  
 Laurie Ellen Sidder  
 Susan Zagaroli Smith  
 Kathleen Jane Southwell  
 Patricia G. Spellicy  
 Peggy Ann Stulberg  
 Darlene Kay Swanbeck  
 \*Marylee Swider  
 Rebecca Jane Tompkins  
 Patricia Ann Treib  
 \*Mary Margaret Volden  
 Bob Devere Walters  
 Virginia Mitchell Welch  
 \*Mary Linda Wernet  
 Kathleen Jo Whelan  
 Nancy Harrison Wiersma  
 Cathie S. Wood  
 Kimberly Wyatt  
 Beverly Jean Young  
 Lovada Olive Young  
 Diane Emily Zantop  
 Sherry Jo Zietz

## DEGREE OF BACHELOR OF SCIENCE

### Health, Physical Education and Recreation

H\*\*Linda Kay Adams  
 Gregory Lee Barton  
 Susan Emily Bauer  
 \*Taras Bidiak  
 Gordon Bennett Bowdell, III  
 Donald Paul Burbach  
 Robert Henry Carty  
 Sarah Jane Chapman  
 Linda Ann Fischbeck  
 James Russell Goulding  
 Judith Kay Greene

\*Terry Lee Hamrick  
 Donald Cornelius Highsmith  
 William Wayne Johnson  
 Raimo E. Korkiala  
 Gary Ramon Langley  
 Janice Ann Lewis  
 Alan Andrew Maibach  
 Thomas Michael Mansfield  
 David Earl Pelton  
 Sharon Lee Perkins  
 Chris Patrick Ripmaster  
 William Henry Schnarr, Jr.  
 Edwin Terry Shellhorn  
 Alexander Richard Skotarek

\*\*Trulane Louise Smith  
 Lawrence Robert Steeb  
 Harrison Stepter  
 \*Judy Ann Sweet  
 William Gordon Thorland  
 Frank Dean Waters, III

### Industrial Arts

James Fred Bodrie  
 Kendall Keith Clarke  
 Glenn R. Gross  
 Roger William Walker  
 \*\*William Stephen Wright

H Honors College  
 \* With Honor  
 \*\* With High Honor

# COLLEGE OF COMMUNICATION ARTS

JACK M. BAIN, DEAN

## DEGREE OF MASTER OF ARTS

### Advertising

J. Richard Allison  
Robert Edwin Fly  
Gary Michael Glazier  
Andrew Bernard Hilverda  
John Cain McConahey  
Ronald Charles Weathers

### Audiology and Speech Sciences

Jane Margaret Acker  
Jane Kathleen Davison

Eve Karin Moscicki  
Joyce Lynne Trimble

### Communication

Juan Ricardo Braun  
Luis Javier Jaramillo  
D. Lawrence Kincaid  
Frank Estes Millar, III  
Joaquin Emilio Quiros

### Journalism

H. T. Bannister, Jr.

Cynthia S. H. Lee  
Linda Gauger Ryden  
Yoshitaka Sakurai

### Television and Radio

Jerrold David Beckman  
Allan Shiu-Luen Cheung  
Charles Edward Demery  
Ronald Lewis Grow  
Richard Henry Newberg  
Lawrence Newton Redd  
Denise Rae Tesar

## DEGREE OF BACHELOR OF ARTS

### Advertising

Dennis Glen Arden  
Rebecca Kay Bellinger  
James Lee Blaylock, Jr.  
Lori Theresa Costantini  
\*Joseph John Czarnik  
Timothy Jon Day  
Richard Douglas Dinkel  
Pamela Anne Duffy  
Philip N. Harmeson  
James Blakley Houston  
Mary Gayle Hungerford  
\*\*Patricia Mary Johnson  
Paul Martin Mann  
William James McCann  
Terry Glen Moon  
Thomas George Peart  
Anthony John Pellerito  
Ronald William Rowe  
Mark H. Sinclair  
William Alton Sizer, Jr.  
Gary Edward Slater  
David Alan Taylor  
Barbara Jean Wehr

### Audiology and Speech Sciences

Margo Mullen Meadowcroft

### Communication

Michael Patrick Aubin  
Michael David Bellah  
MaryAnn Blazekovic  
H\*\*Gerald Martin Brennan  
Michael John Brunette  
Barry Allyn Grabert  
Gregg Stevens King  
Donna Marie Monigold  
H\*\*Kayleen Patricia Nowicki  
Jan Lee Rabbers  
H\*William Donald Richards, Jr.

### Journalism

Robert Chiczewski  
Michael Terry Cody  
Charles Anthony Flowers  
Robert James Fouch  
Larry G. Mogg  
Cheryl Ann Parker  
Laurel Ann Pratt  
H\*\*Elizabeth M. Roach  
Roberta Elizabeth Smith  
Leigh Van Lydegraf

### Television and Radio

Mark D. Baldwin  
\*\*Susan Louise Belniak

Thomas Neal Cartmell  
Robert Charles Koehler  
John Allen Kuschell  
William Edward Maslanka  
John Stewart Massey  
William Elbern Smith  
Dennis L. Spencer  
Robert William Theisen

DEGREE RECOMMENDED  
JOINTLY WITH THE  
COLLEGE OF EDUCATION

### Audiology and Speech Sciences

Pamela Kay Gunsolley  
Lorena June Kamminga  
\*Lovel Bernel Summey  
\*\*Nancy Louise Tunney  
Carthelia Patricia Young

### Communication

Josephine Dawkins  
Shirley Buchele Hall  
\*Peggy Jo Minnis

H Honors College  
\* With Honor  
\*\* With High Honor



# COLLEGE OF ARTS AND LETTERS

RICHARD E. SULLIVAN, DEAN

## DEGREE OF MASTER OF ARTS

### Art History

Adriane Joy Bishko  
Richard Dean Palmer

### Art Practice

Mary Phyllis Birkmeier  
David Russell Fisher  
Deena Yolanda Rood

### English

Mary Louise H. Albrecht  
Leonor Cozzolino  
Frank Joseph Cusmano  
Joan Marie Grafius  
Richard E. Koch  
Paula Roth Matienzo  
Katherine Richards Sprandel

### English-Secondary

School Teaching  
Dolores Koncar Fitzgerald

Patti Sue Heaton  
Patricia Jean Presby

### French

Eva Baneth Faulkner  
Karen Sue Schichtel  
Edgar Thomas, Jr.  
Jill Ann Van't Roer

### History

John Raymond Beckwith  
Timothy Lynn Bratton  
John Frederick Bratzel  
Michael Stanley Clinansmith  
Charlene A. Dykman  
Lawrence A. Finfer  
Eric Philip Hilberg  
Pamela Beth Holcomb  
Forest H. C. Holman  
Charles Lloyd Maynard  
Robert H. Ness

William Goodwin Potter, II  
Janice Lynne Rhodes  
George Joseph Selement  
Richard James Terrill  
William Lloyd Van Deburg

### Linguistics

Charles Edwin  
Robertson, III

### Philosophy

Dennis Allen Bird  
Susan Cope Ekstrom  
Joe Keith Slaughter

### Theatre

Earlene Bates Helderman

## DEGREE OF MASTER OF FINE ARTS

### Art Practice

Joseph Edwin Kinnebrew, IV

## DEGREE OF MASTER OF MUSIC

### Applied Music

Stephen Reynolds Lange

William John Schuck

## DEGREE OF BACHELOR OF ARTS

### Art History

Audrey Louise Crain  
\*\*Carol Ann Moon

### Art Practice

Benjamin Michael Cichowski  
Sharon Yvonne Dickey

Peter Kent Lundgren  
Alvin Reginald Shields

### English

H\*\*James Charles Adams  
\*\*Charles Richard Bappert  
\*\*Marc Anthony Bringman  
Susan Kay Douglas

Gilda Ellen Listopad  
Patricia Louise MacDonald  
H\*\*Kay Ann McDougall  
Joseph Paul Miklos, III  
H\*\*Ruth Gray Pelz  
\*Philip Jesse Silva  
Celeste Rose Vadnais

H Honors College  
\* With Honor  
\*\* With High Honor



# COLLEGE OF ARTS AND LETTERS

## DEGREE OF BACHELOR OF ARTS

### French

Teresa Carlson

### German

\*Joseph John Fedorchik

### History

H\* Raul Miguel Acosta  
 \*\*Lizabeth Adamczyk Barclay  
 \*\*Karen Lynn Blum  
 Heriberto David Blumenthal  
 Thomas Howard Bushouse  
 Dianne Nancy Davenport  
 Robert C. Flanders, Jr.  
 David Mark Laughlin  
 \*\*Felicity Jane Lee  
 \*\*Colleen Ada McPherson  
 Thomas Edmund Parks  
 William Jacob Sonn  
 Ronald Jon Springsteen  
 John Edward Stolberg  
 \*Marc Alan Talsma  
 Christopher Joseph Wadner  
 \*Torrey Stephen Whitman

### Humanities

\*Inge Louise Beyerle  
 \*Raymond Crawford Doss  
 \*\*Mary Lewis James  
 Richard Charles Kervin  
 Cynthia Margaret MacClure  
 Maria Nannette Marchand

### Philosophy

H\*\*Michael Barnett Jordan

### Spanish

\*Carol Jeanne Austin  
 Andres B. Zubey

### Theatre

Alyson Ann Arnold  
 \*Philip Anthony Heald

DEGREE RECOMMENDED  
 JOINTLY WITH THE  
 COLLEGE OF EDUCATION

### Art Practice

Beverly Roseanne Boromisa  
 Sharon Anne Duffy  
 Jeanne Kay Heinz  
 Deborah L. Lilly  
 Michael G. Marr  
 Andrea Ellen Stokas  
 Donald Stephen Vernon  
 \*Helen Elaine Young

### English

\*\*Sheryl H. Bauchman  
 Jane Cathlene Beaudoin  
 \*\*Sharon Kay Bills  
 Cynthia Lamont Coe  
 Mary Louise Costello  
 Marcia Kay Davis  
 Marsha Jean Feigelson  
 H\*\*Sandra Kay Fredenburg  
 \*Pennie Marie Gammage  
 \*Craig James Gunn  
 Thomas Richard Hemily  
 Robert William Kelly

Richard Michael Kora  
 Sherry Ann Markwardt  
 Ellen Marie McCrumby  
 \*Katherine Louise Merle  
 Beverly Kaye Rohde

### French

Marsha Ann McKinley  
 H\* Marilyn Franey Patton

### German

\*Kristina Maria Pietila

### History

\*\*Linda Nicholson Barnes  
 Charles Everett Bell, Jr.  
 Linda Carol Croll  
 \*Ronald William Emery  
 Jeanne Anne Lovellette  
 J. Thomas McLalin  
 \*Thomas M. Ornstedt  
 Linda Jean Portuesi  
 Steven Charles Seeburger

### Latin

Denise Louise Sewell

### Spanish

\*Kathy Lynn Fuehring  
 Clay Frick Olmstead, III

### Theatre

Cindy Josephine Barber  
 Ernest Henry Emling

## DEGREE OF BACHELOR OF FINE ARTS

### Art Practice

H\*\*Virginia Adele Goodman  
 \*William Lankford  
 Graham, Jr.  
 \*Janice Helen Hertenstein

DEGREE RECOMMENDED  
 JOINTLY WITH THE  
 COLLEGE OF EDUCATION

### Art Practice

\*Lynne H. DeClercq  
 \*Linda Mayo

## DEGREE OF BACHELOR OF MUSIC

### Music Therapy

Cynthia S. Gowen  
 \*Jo Anne Johnson  
 \*\*Sue Ann Russell  
 Nancy Lynn Still

DEGREE RECOMMENDED  
 JOINTLY WITH THE  
 COLLEGE OF EDUCATION

### School Music

Minden Lauralie Angel  
 H\*\*Barbara Reed Cobb  
 H\*\*Susan Porter Douglass  
 \*\*Sue Ann Russell

H Honors College  
 \* With Honor  
 \*\* With High Honor

# COLLEGE OF NATURAL SCIENCE

RICHARD U. BYERRUM, DEAN

## DEGREE OF MASTER OF ARTS

### Mathematics

Katherine Virginia Lynch

Anthony John Van Werkhoven

## DEGREE OF MASTER OF ARTS FOR TEACHERS

### General Science

James M. Reid  
Dale John Rosene

### Mathematics

Carolyn Joyce Flynn  
James Charles Phillips

## DEGREE OF MASTER OF SCIENCE

### Biological Sciences

Robert Lewis Weaver

### Biophysics

William Lee Weller, Jr.

### Botany

Edward Martin Scharrer

### Chemistry

Esther Yu-Hsuan Chao  
Jeffrey Harold Deitch  
Edward Robert Falardeau  
John Thomas Woodard

### Entomology

John Francis Haslem

### Geology

Innaiah Pothacamury

Richard Michael Shaw  
Raymond Charles Todd

### Mathematics

Muhammad Arafat Natsheh  
Leonard Eugene Salika  
Gary Philip Stokes  
Helen Sh-Chin Wei

### Microbiology

Doris Jean Beck  
Donna Young Muirhead  
Virginia Leslie Walters

### Physics

Thalis Delikaris  
Pieter Geer Dykema  
Bingley Bing-Wing Poon  
John J. Sudano  
Ljubisa Vitkovic  
David Fredrick Zirtzlaff

### Physiology

W. Jeffrey Weidner  
A. Ingrid Zimmerman

### Statistics

Leroy Bailey  
Thomas Joseph Cook  
Robert George Lovell  
Yoshiko Nogami  
Hussein Sayed Shaarawy  
Linda Louisia Taylor

### Zoology

Martin E. Boraas  
Linda Patricia Coniglio  
Larry Paul Yotti

## DEGREE OF BACHELOR OF ARTS

### Chemistry

Patrick Murray Winkler

### Mathematics

H\*\*Lawrence James Pienta

H\*\*Daniel B. Ramey  
\*\*Harold Colonna Watkins

DEGREE RECOMMENDED  
JOINTLY WITH THE  
COLLEGE OF EDUCATION

### Mathematics

Karen Isabel Mitchell  
\*\*Steven Paul Scholten

H Honors College  
\*\* With High Honor



# COLLEGE OF NATURAL SCIENCE

## DEGREE OF BACHELOR OF SCIENCE

### Biochemistry

- H\*\*Floyd Richard Kirk  
H\*George Louis Moldovan, Jr.  
\*\*Charles Barton Spainhour, Jr.

### Biological Sciences

- Michael Terrence Green  
Larry John Nemeth  
Michael John Pasichnyk  
Judith Florence Peach  
Jeffery Dwight Spahr

### Chemistry

- John McLane Hollembaek  
James David Wilcox

### Geology

- Robert Bruce Szerbiak

### Mathematics

- \*\*Ronald H. Bussey  
H\*\*Marianne Follingstad  
Thomas Lester Gallagher  
Stephen Lewis Garth  
Harold Rae Schneider  
H\*\*Rebecca Lee Tehon  
\*\*Vaughn Stephen Zidell

### Microbiology

- Kathleen Ann Wilder

### Nursing

- \*Marsha Kaye Duda  
Marsha Ann Fenton  
Mary Elizabeth Juell  
\*\*Maria Anna Klenk  
Ellen Christina Lauria

### Physical Sciences

- Douglas Everett Dalquist

### Physics

- Lynn Robert Mahlow

### Zoology

- Allen G. Forrester  
H\*\*Jenness Ann Joque  
Douglas Allen Klee  
\*\*Thomas Steven Lang  
H\*\*Stephen Emerson Lee  
\*Frances Anne Livingston  
John Frederick Mouw  
Kenneth Anthony Norkey  
Louis Howard Spanberger

DEGREE RECOMMENDED  
JOINTLY WITH THE  
COLLEGE OF EDUCATION

### Biological Sciences

- Robert Scott Gresehover

- \*Barbara June Harvey  
Rodney Patrick MacLachlan  
\*Thomas Grant Muir  
Francis Wallace Zak

### Chemistry

- Jerry Joseph Garavaglia  
Michael Alan Holzschu

### Mathematics

- Claudia Virginia Babiarz  
\*Mary Margaret Jacobs  
\*Richard Allen Jankowics  
Richard Allen Kreuger  
\*Ronald Joseph Labrocca  
Thomas O. Luxon  
Ronald Lee McCollum  
\*Francine Marie Serra  
William Dandridge  
Shanks, Jr.  
\*\*Carol Ann Van Beek  
George David VanElst  
\*\*Margaret J. Walulik  
\*Norman David Young

### Physical Sciences

- Marilou Marsh

### Zoology

- Dale Robert Brust



# COLLEGE OF SOCIAL SCIENCE

CLARENCE L. WINDER, DEAN

## DEGREE OF MASTER OF ARTS

### Geography

John Stuart Crossman  
Kenneth Marvin Davenport  
Peter Wallace DeForth  
David Robert Hicks  
Sherman Keith Hollander  
Paul M. Lamb  
Noritaka Nakamura  
Roger Lee Richman

### Political Science

Elizabeth Ann Andrus  
Melvin Jay Katz  
Janet B. Kintzer  
Rolf Marshall

Gerald Mark Nash  
Selçuk Özgediz  
Alfred Anthony Santosuosso  
John Robert Veenstra

### Psychology

Martha Lynn Aldenbrand  
Ralph E. Cooper  
Karen Grover Duffy  
Daniel Choda Gutkin  
Robert Norman Harris, Jr.  
Frank Fred Holly  
Raymond Howard Johnson  
Aaron Karnilow  
Lawrence Joseph Krips  
Rita Wendeline Larson

Barry Marshall Lester  
Alice Madeline Wolfe

### Social Science

Vincenzo Ferreri  
James R. Thomas

### Sociology

Peter Craig Bishop  
William Patrick Boss  
Alice Loverde Pilotti  
Beth Janet Shapiro  
Armando Villarroel  
Joseph Parque Winston  
Kenneth Michael Wojcik

## DEGREE OF MASTER OF LABOR AND INDUSTRIAL RELATIONS

Alan Thomas Ackerman  
Spotsel Lee Boyd, Jr.  
Don Clifford Davis

Theodore Frederick  
Gasparovic  
Dolores Lyons  
Randall Lee Mack

Albert Andrews Martin  
Joseph Oral Robillard  
Jack Lee Shook

## DEGREE OF MASTER OF SCIENCE

### Criminal Justice

John Henry Cauley, Jr.  
Norman Charles Colter  
James F. Hendricks

Bo Hwan Kim  
Jo Ellen Mann  
John Arthur Snyder

David E. Stormer  
Calvin James Swank  
Frank Richard Tomascik

## DEGREE OF MASTER IN URBAN PLANNING

Michael James Harrold

Leon Gustave Shilton

# COLLEGE OF SOCIAL SCIENCE

## Geography

James B. Scofield

## Political Science

- \*James Robert Collins
- \*James Anthony Danowski
- Andrew Woodberry Dubill
- \*Rebecca Claire Guthrie
- Arthur Augustus Halbisen
- H\*Michael Alan Hartigan
- Robert Alexander Kruch
- \*Daniel Harris Link
- Deborah Anne Ludlow
- Patricia Lou McGuire
- \*Donald Arthur Pamerleau
- \*Ogden Hollis Pemberton
- \*Michael George Slaughter
- \*Joseph M. Snow

## Psychology

- Alison Sue Dunnette
- Gregory James Fox
- James Roger Gordon
- \*Linda L. Griffin
- H\*Sharon Ann Hoefler
- \*Diana Lynn Hole
- H\*Karen Lynn Kelly
- H\*\*Thomas Lee Koenig
- H\*\*Merle Ann Malkoff
- \*Bonnie Gay McFarland
- Kathleen Lou McNary
- \*Donna M. Mohr
- \*\*Patricia Ann Mumford
- Ruth Ann Baba Obregon
- Dennis Alan O'Keefe
- Linda Celeste Smith

## Social Science

- Eugene Everett Atherton
- Renee Genevieve Balthazar
- David Charles Bender
- John Horace Butterfield
- \*\*Randolph Lee Cantrell
- Rosalie Augusta Clavez
- Patricia Allen Coffin

## Anthropology

- \*Christopher Brewster
- Dale Evan Wolke

## Criminal Justice

- Thomas Alan Baarda
- Richard Donald Baillargeon
- Charles Nickolas Bouth
- \*\*Thomas Floyd Brown
- H\*\*Rowland E. Burnham
- Russell John Byrne
- James Riley Collins
- \*Julius Sylvester Deaton
- Michael Dennis Devine
- David Bernard Diamond
- Daniel Charles Duncan

Tommy Cook

- \*\*Jonathan Ariel Cross
- Richard Frederick Dangel
- Franklin Samuel Foreman
- Michael Stephen Goldstein
- Jacquelyn Louise Heller
- Vicki Ann Hodgson
- Beryl Christina Johnson
- \*Thomas Earl Johnston
- H\*Kathleen Elizabeth Jordan
- Judy Lynn Joseph
- \*Kenneth A. Kanter
- Edward James Kellner
- Michael William McGath
- H\*Dorothy Jean McNaughton
- Nancy Jo Miller
- Jerry Daniel Murphy
- Mark Edward Pinter
- James Wayne Joseph
- William Pollack
- \*Rosanne Price
- Richard Cording Raines
- Linda Ann Rector
- Anton Henri Rosenthal
- Maureen Kavanagh Rudolph
- Michael David Sickels
- \*Sara Sabina Ulrey
- Katherine Loreita Van Sickle
- \*Anne Chase Williams
- \*Harry L. Wilson

## Social Work

- \*Judith Ann Ashley
- \*Johanna Grace Balzer
- \*Dennis Michael Bejin
- Pamela Sue Blevins
- Janet Kay Bourdon
- \*Julie Anne Clerc
- Alaine Frances Depner
- Suzanne Gene Gerould
- Judith Farnsworth Gilchrist
- Kathleen Anne Grad
- \*Elaine Joyce Klein
- Mary Joan Koerper
- Charlene Jane Koester

- Mark Barry Goldammer
- Barbara Ann Heller
- David Warren Johnson
- Thomas Ralph Kramer
- E. Christina Kuchemann
- \*Donald C. L'Huillier
- Judith Ann McNitt
- Gary Dennis Miller
- Gary Joseph Miller
- Michael Joseph Muir
- H\*\*John Popescu
- Michael John Rodgers
- \*Kenneth Michael Saxon
- \*John William Schutzler
- \*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 Renée Wichowski

DEGREE RECOMMENDED  
JOINTLY WITH THE  
COLLEGE OF EDUCATION

## Geography

- \*Brian Robert McLenithan

## Social Science Teaching

- \*James K. Blackburn
- David Edward Criner
- \*John Robert Dalton
- Larry Walter Dloski
- Lucinda M. Hearl
- Richard Norman Irner
- H\*Shirley Ann Kettles
- Ann Leigh LeBlond
- Geneva Irene Mateer
- Daniel Joseph Mazany
- H\*\*Constance Jean McIntyre
- Raymond Charles Mytyk
- Robert Thomas Ortwein
- Sandra Kantner Soltysiak
- Jane Etta Traub
- Jan Elizabeth Weidner
- Robert Drew Wolverton

- James J. Wasmuth
- Thomas James Wilson
- \*\*Linda Aicher Wittman
- Terry Hubert Wolfe
- William Walfred Wrege
- \*\*Milton S. Zeidell

## Geography

Gerald James Grossi

## Landscape Architecture

- Jeffrey James Benesi
- Don Michael Blackburn
- James Ike Burkart
- \*Richard Roberts Fayram
- Robert Johnson Grill

DEGREE OF  
BACHELOR  
OF ARTS

DEGREE OF  
BACHELOR  
OF SCIENCE

H Honors College  
\* With Honor  
\*\* With High Honor



# COLLEGE OF SOCIAL SCIENCE

## DEGREE OF BACHELOR OF SCIENCE

### 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. Baczuk, Jr.  
Robert James Beuerle  
Bonnie Marilyn Bliss  
\*Doyle Laverne Bush  
Terry Sue Harris  
Robert John Hendrian  
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 Moerdyk  
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

DEGREE RECOMMENDED  
JOINTLY WITH THE  
COLLEGE OF EDUCATION

### Social Science Teaching

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



# JUSTIN MORRILL COLLEGE

D. GORDON ROHMAN, DEAN

DEGREE OF  
BACHELOR  
OF ARTS

Phyllis Elaine Beer  
Patricia Ann Bennett  
H\*\* Mary Louise Detjen  
\* Christine Ann Engelhard  
Peter Grant Gillis  
\* Jill Harrison  
H\*\* Vivian Heacox  
\* Grace Higginbottom  
Susan Ruth Ingerson  
Peter Charles Kenney  
H\*\* 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  
H\*\* Mary Ann Sibley  
Ronald Raymond Smoker

DEGREE RECOMMENDED  
JOINTLY WITH THE  
COLLEGE OF EDUCATION

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

H Honors College  
\* With Honor  
\*\* With High Honor

# COLLEGE OF HUMAN MEDICINE

ANDREW D. HUNT, JR., DEAN

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

# JAMES MADISON COLLEGE

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  
Konnée Jean Parks  
H\*\*Beth Louise Schroeder  
Stephen Arthur Swift

DEGREE RECOMMENDED  
JOINTLY WITH THE  
COLLEGE OF EDUCATION

\*Barbara Elyse Hippler

H Honors College  
\* With Honor  
\*\* With High Honor



# LYMAN BRIGGS COLLEGE

FREDERIC B. DUTTON, DEAN

DEGREE OF  
BACHELOR  
OF SCIENCE

H\*\*Mary Ann Cooper  
H\*\*Don Armin Howard  
\*Linda Lee Knowlton

H\*\*Gordon Richard Lewis  
\*Robert Gregory Slating

DEGREE RECOMMENDED  
JOINTLY WITH THE  
COLLEGE OF EDUCATION

H\*\*Margaret Virch Howard

H Honors College  
\* With Honor  
\*\* With High Honor

# RESERVE OFFICERS TRAINING CORPS

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

Air Defense  
\*James Karl Jackson

Field Artillery  
William Clay Young

Medical Service Corps  
Mario Peter Scontrino

Quartermaster Corps  
Leigh Van Lydegraf

Transportation Corps  
John Michael King

\* Distinguished Graduate