



COMMENCEMENT 1967

MICHIGAN STATE UNIVERSITY



# COMMENCEMENT 1967

Sunday, March 12

University Auditorium, East Lansing

# ACADEMIC COSTUME

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

In 1895, the Intercollegiate Commission, a group of leading American educators, met at Columbia University to draft a code which would serve to regulate the design of gowns and hoods indicating the various degrees as well as the colors to indicate the various faculties. This code has been adopted by most of the colleges and universities in America and its use has made identification of scholastic honors an immediate activity.

Three types of gowns are indicated by the code. Those worn by the bachelors are made of black worsted material and have long, pointed sleeves. Those worn by masters may be made either of black silk or black wool and have long, closed sleeves with the arc of a circle near the bottom. The arm goes through a slit, giving the appearance of short sleeves for the master's gown. Doctor's gowns are made of black silk and are faced with velvet. The sleeves are full, round and open with three bars of velvet on each sleeve. The velvet facing of bars on the sleeves may be black or the same color as the binding of the hood.

Hoods are made of material identical with the gown and are lined in the official academic color of the institution conferring the degree. If the institution has more than one color, the chevron is used to introduce the second color. Colored velvet or velveteen binds the hoods and indicates the department or faculty to which the degree pertains.

Historical associations of color have been continued to signify the various faculties. Art and letters can be recognized by the white, taken from the traditional white fur trimming of the Oxford and Cambridge Bachelor of Arts hoods. Red, long traditional of the church, indicates theology. The royal purple of the King's court signifies law. The green of medicinal herbs immediately identifies a medical degree. Philosophy is signified by the color of wisdom and truth, blue. Because through research untold wealth has been released to the world, science is identified by golden yellow. Oxford pink indicates music and russet brown, the color of dress worn by ancient English foresters, indicates forestry.

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

At Michigan State University, it is customary to identify the bachelors graduating from the different departments of study by tassels of the official department color as established by the Intercollegiate Code.

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



# ORDER OF CEREMONIES

## PROCESSIONAL

MUSIC FROM "FAUST" — *Gounod*

The University Symphony Orchestra, Professor Dennis Burk, *Director*

## AMERICA — *Smith*

The Orchestra and Audience, directed by Allen Poland

## INVOCATION

THE REVEREND THOMAS McDEVITT

*Lecturer, Department of Religion, Michigan State University  
St. John Student Parish, East Lansing, Michigan*

## ADDRESS

O. MEREDITH WILSON, A.B., Ph.D., Litt. D., LL.D.

*President, University of Minnesota*

## SPECIAL MUSIC

CONCERTINO FOR TRUMPET AND ORCHESTRA — *Jolivet*

LOUIS FLETCHER, *Trumpet*

HENRY ROSS, JR., *Piano obbligato*

## CONFERRING OF DEGREES

JOHN A. HANNAH, D.Agr., LL.D., HH.D., L.H.D., D.Sc., Litt. D.

*President, Michigan State University*

Music by the University Brass Choir

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.

When from these scenes we wander  
And twilight shadows fade,  
Our mem'ry still will linger  
Where light and shadows played.  
In the evening oft we'll gather  
And pledge our faith anew,  
Sing our love for Alma Mater  
And thy praises, M.S.U.

(The Orchestra and Audience, directed by Allen Poland)

## BENEDICTION

THE REVEREND FATHER McDEVITT

## RECESSIONAL

MARCH MILITAIRE NO. 1 — *Schubert*

MARCH MILITAIRE — *Beethoven*

The University Symphony Orchestra, directed by Yoshihiro Obata

The escorts for the procession are members of Mortar Board, the honor society for senior women. The audience is requested to remain seated while those in the procession are entering and leaving the auditorium.



# BOARD OF TRUSTEES

Michigan State University operates under the jurisdiction of a constitutional body known as the Board of Trustees. The 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 C. ALLEN HARLAN .....	<i>Southfield</i>
THE HONORABLE CONNER D. SMITH .....	<i>Pinconning</i>
THE HONORABLE STEPHEN S. NISBET .....	<i>Fremont</i>
THE HONORABLE DON STEVENS .....	<i>Okemos</i>
THE HONORABLE FRANK HARTMAN .....	<i>Flint</i>
THE HONORABLE CLAIR WHITE .....	<i>Bay City</i>
THE HONORABLE FRANK MERRIMAN .....	<i>Deckerville</i>
THE HONORABLE KENNETH W. THOMPSON .....	<i>Birmingham</i>

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JOHN A. HANNAH, <i>Ex Officio, President</i> .....	<i>East Lansing</i>
JACK BRESLIN, <i>Secretary</i> .....	<i>East Lansing</i>
PHILIP J. MAY, <i>Treasurer</i> .....	<i>East Lansing</i>

# 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 113th year, Michigan State has grown from three buildings and six faculty members to one of the ten largest universities in the nation. It has approximately 3,000 staff members engaged in teaching, research and public service, 425 buildings, and approximately 5,000 acres of land of which 1,850 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 young people today. Michigan State now has the School for Advanced Graduate Studies and 13 colleges—Agriculture, Arts and Letters, Business, Communication Arts, Education, Engineering, Home Economics, Human Medicine, Justin S. Morrill, Natural Science, Social Science, Veterinary Medicine and the University College—which offer basic courses for all freshmen and sophomores. 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. The Merit Scholarship Program, of which Michigan State University is a prominent sponsor, enrolled nearly 200 Merit Scholars in this year's freshman class. This figure represents more than seven percent of the nation's total of this unusually select group.

One of the newest of 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 new dormitories a stimulating academic environment. Eight of these residence halls are now occupied and one more is under construction. 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 college does not have departments as such, and attention is centered on quality teaching within small groups. In addition to an intensive program in foreign languages, the college requires sequences of study in the humanities, social science, natural science, a field of concentration, senior independent study, and electives.

# MICHIGAN STATE UNIVERSITY

(continued)

Today, more than 38,000 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 80 foreign countries.

Looking to the future, Michigan State University is preparing for increasingly larger enrollments as the great number of children born after World War II reach college age. To meet this challenge, MSU is revising curriculums and developing new teaching techniques through its Educational Development Project.

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. Some 1,700 individual projects are in progress. The University's research tools include the giant Control Data 3600 Computer and a 50-million-volt cyclotron. Modern facilities include a \$6 million chemistry building, a \$5.2 million biochemistry laboratory, and \$862,000 psychology research building and a \$4.7 million veterinary medicine building.

Through an agreement with the Atomic Energy Commission, MSU will become a national center for basic research on plants and their reactions to radiation. Involved is construction of a \$2 million building (now completed), a staff of approximately 90 persons and an annual budget of approximately \$1 million when the program is fully underway.

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 at 18 educational institutions 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 DEGREE

OWEN MEREDITH WILSON

Your career as an educator and administrator has been a distinguished one. Because of your intellectual integrity, wisdom and dedication to the best traditions of American education, you have achieved uncommon success as a teacher, scholar, president of the University of Oregon, and now as president of one of the nation's leading universities, the University of Minnesota. Your deep concern for social progress and the best interests of the people have been expressed in your enthusiastic support of the land-grant philosophy of higher education. You have given freely of your time and energy to national organizations promoting such diverse causes as human rights and the extension of international education. Because of the valuable contributions which you have made to the advancement of educational and cultural life in America, Michigan State University is pleased to confer upon you the degree of Doctor of Laws.

# THE CANDIDATES FOR DEGREES

## 1967 CLASS ROSTER

This includes the names of candidates for degrees for March, 1967.

Names 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

## DOCTORAL DEGREES

ELTON DAVID ABERLE, Ph.D.

B.S., Kansas State University; M.S., Michigan State University.  
Food Science. Major Professor: Robert A. Merkel, Associate Professor.  
Thesis: Physical and Biochemical Properties of Porcine Muscle as  
Affected by Some Adrenal Hormones and Post-Mortem Glycolytic  
Parameters.

DEREK WILFRED ALLINSON, Ph.D.

B.S., University of Aberdeen; M.S., Michigan State University.  
Crop Science. Major Professor: Milo B. Tesar, Professor.  
Thesis: Factors Affecting the Nutritive Value of Foragis.

ERMA D. ALPHERSON, Ph.D.

B.S., M.S., City College of New York.  
Psychology. Major Professor: Bertram P. Karon, Associate Professor.  
Thesis: Expressive Style and Perceived Parental Acceptance-Rejection.

LIADIYU OLAYINKA ASSEEZ, Ph.D.

B.S., McGill University; M.S. Michigan State University.  
Geology. Major Professors: C. E. Prouty, Professor, Robert Ehrlich,  
Assistant Professor.  
Thesis: Stratigraphy and Paleogeography of the Lower Mississippian  
Sediments of the Michigan Basin.

MORTEZA BADIZADEGAN, Ph.D.<sup>4</sup>

B.S., University of Tehran; M.S., University of California.  
Horticulture. Major Professor: Robert F. Carlson, Professor.  
Thesis: Physiological Studies of Dormancy and Germination of Apple  
(*Malus Sylvestris* Mill) Seed.

ROBERT PAUL BEECH, Ph.D.

B.A., University of Colorado; M.A., Michigan State University.  
Psychology. Major Professor: Milton Rokeach, Professor.  
Thesis: Value Systems, Attitudes, and Interpersonal Attraction.



# SCHOOL FOR ADVANCED GRADUATE STUDIES

## DOCTORAL DEGREES — Continued

MAX ERWIN BENNE, Ed.D.

B.S., M.S., Michigan State University.  
Education. Major Professor: Russell J. Kleis, Associate Professor.  
Thesis: The Influence of Foreign Visitors on the Interests of Certain Adult Members of a Hosting Community in Participating in Internationally Oriented Activities.

ERNEST BRUNI, Ph.D.

A.B., Wheaton College; M.A., Michigan State University.  
Psychology. Major Professor: Bill Kell, Professor.  
Thesis: Age and Sex Trends in Assumed Similarity to the Same Sex Parent as a Function of the Development of Identity.

DAVID RAYMOND CAVE, Ed.D.

B.A., M.A., Michigan State University.  
Education. Major Professor: Archibald B. Shaw, Professor.  
Thesis: A Critical Study of the Leader Behavior of School Administrators in Conflict with Teachers' Unions.

MARY T. CHRISTIAN, Ph.D.

B.S., Hampton Institute; M.A., Columbia University.  
Education. Major Professor: Calhoun C. Collier, Professor.  
Thesis: A Study of the Dimensions of the Nongraded School Concept.

JOHN TEMPLE DEAN, Ph.D.

B.A., M.A., Long Beach State College.  
Education. Major Professor: John E. Jordan, Associate Professor.  
Thesis: An Analysis of Attitudes Toward Education, Theological Orientations, Interpersonal Values, and Educational Experience.

CLAUDE DESJARDIANS, Ph.D.

B.S., University of Rhode Island; M.S., Michigan State University.  
Dairy. Major Professor: Harold D. Hafs, Associate Professor.  
Thesis: Endocrine and Reproductive Development of the Bovine Female from Birth through Puberty.

JUAN DIAZ-BORDENAVE, Ph.D.

Ing. Agriculture, Escuela Nacional de Agriculture; M.S., University of Wisconsin.  
Communication. Major Professor: David K. Berlo, Professor.  
Thesis: The Search for Instrumental Information Among Farmers of the Brazilian Northeast.

RICHARD JOHN DIEKER, Ph.D.

B.S., M.S., Kansas State Teachers College.  
Communication. Major Professor: Gerald R. Miller, Associate Professor.  
Thesis: The Effect of Freedom of Choice on Group Attractiveness.

CAROLE ANN DILLING, Ph.D.

B.S., Manchester College; M.A., Michigan State University.  
Psychology. Major Professor: Lucy R. Ferguson, Associate Professor.  
Thesis: A Study of Moral Orientation in Relation to the Piagetian Concept of Egocentrism.

## SCHOOL FOR ADVANCED GRADUATE STUDIES

### DOCTORAL DEGREES — Continued

WILBUR LESLEY DUNGY, Ph.D.

B.S., M.S., University of Michigan.  
Physiology. Major Professor: William Frantz, Assistant Professor.  
Thesis: The Calcium, Potassium, and Sodium Content of Mouse Liver Mitochondria During the Course of Hepatoma Induction with Carbon Tetrachloride.

AHMED SHAWKY EL-ARINY, Ph.D.

B.S., Alexandria University; M.S., Michigan State University.  
Mechanical Engineering. Major Professor: Maria Z. v. Krzywoblocki, Professor.  
Thesis: Generalization of Taub's Relativistic Rankine-Hugoniot Equations.

GABRIEL IHIE CHINENYE ELUWA, Ph. D.

M.A., University of St. Andrews; Diploma, University of Edinburgh.  
History. Major Professor: James R. Hooker, Associate Professor.  
Thesis: The Colonial Office and the Emergence of the National Congress of British West Africa.

WILLIAM EDWARD ELZINGA, Ph.D.

A.B., Hope College; M.S., Western Michigan University.  
Physiology. Major Professor: William D. Collings, Professor.  
Thesis: Myocardial Contractile Force as Monitored by Strain Gage Transducers on the Intact Dog Heart.

FREDERICK GEORGE FIDURA, Ph.D.

A.B., M.A., Ohio University.  
Psychology. Major Professor: M. Ray Denny, Professor.  
Thesis: The Role of Selective Attention and the Distinctiveness of Cues in Simple and Complex Discrimination Learning.

DENNIS JACK FLOOD, Ph.D.

B.S., Wittenberg University; M.S., Michigan State University.  
Physics. Major Professor: Frank J. Blatt, Professor.  
Thesis: Field Emission in a Magnetic Field.

MORTON S. FUCHS, Ph.D.

B.S., M.S., Michigan State University.  
Biochemistry. Major Professors: Allen S. Fox, Professor, R. Gaurth Hansen, Professor.  
Thesis: Studies of the Multiple Forms of Tyrosinase in *Neurospora Crassa* and their Relationship to Genetic Differences in Thermostability.

WILLIAM EARL GLEASON, Ph.D.

B.S., M.A., Michigan State University.  
Education. Major Professor: Raymond M. Clark, Professor.  
Thesis: Functions of Industry Approach to Curriculum for Vocational Education.

# SCHOOL FOR ADVANCED GRADUATE STUDIES

## DOCTORAL DEGREES — Continued

- BURTON ALAN GROSSMAN, Ph.D. B.S., Tufts University; M.A., Michigan State University. Psychology. Major Professor: Henry C. Smith, Professor. Thesis: Evaluation of a Training Program to Improve the Ability to Differentiate Between People.
- ROBERT WILLIAM GUTSHALL, Ed.D. B.S., M.A., Michigan State University. Education. Major Professor: Donald A. Burke, Assistant Professor. Thesis: An Exploratory Study of the Interrelations Among Driving Ability, Driving Exposure and Socio-Economic Status of Low, Average and High Intelligence Males.
- GLENN EUGENE HALL, Ph.D. B.S., M.S., Michigan State University. Agricultural Engineering. Major Professor: Carl W. Hall, Professor. Thesis: Relaxation Characteristics of Alfalfa Stems.
- RICHARD LEE HARLAN, Ph.D. B.A., University of Colorado; M.S., Michigan State University. Forestry. Major Professor: Donald P. White, Professor. Thesis: Soil Moisture Regime and Soil Water Balance Under Upland Hardwood Forest During a Period of Subnormal Precipitation.
- HAROLD HART HARRIS, Ph.D. B.S., Harvey Mudd College. Chemistry. Major Professor: Morley Russell, Assistant Professor. Thesis: The Study of Collision-Induced Phenomena with a Dempster-Type Mass Spectrometer.
- KELLY MAX HARRISON, Ph.D. B.S., Texas Technological College; M.S., Kansas State University. Agricultural Economics. Major Professor: Harold Riley, Professor. Thesis: Agricultural Market Coordination in the Economic Development of Puerto Rico.
- ROY E. HARTBAUER, Ph.D. B.A., Walla Walla College; M.A., University of Southern California. Speech. Major Professor: Herbert J. Oyer, Professor. Thesis: The Effects of Duration, Frequency, and Loudness Upon the Reproduction of Temporal Intervals by Sensori-Neural Hearing Impaired Subjects.
- JOHN PAUL HARTZELL, Ph.D. A.B., Indiana University; B.D., M.A., Chicago Theological Seminary. Education. Major Professor: William F. Farquhar, Professor. Thesis: A Preliminary Study of Nurturant and/or Aggressive Therapists' Responsiveness to Expressions of Dependency and Hostility in the Initial Phase of Psychotherapy.



## SCHOOL FOR ADVANCED GRADUATE STUDIES

### DOCTORAL DEGREES — Continued

MERTON LEROY HAYNES, Ph.D.

B.S., Northwest Missouri State Teachers College; M.A., Colorado State College.

Education. Major Professor: Samuel A. Moore, II, Associate Professor. Thesis: A Study of the Role of the Helping Teacher As Perceived by Principals, Consultants, Selected New Teachers of the Disadvantaged and the Helping Teachers Themselves.

JOHN HRINEVCH, JR., Ph.D.

B.S., M.S., Michigan State University.

Metallurgy. Major Professor: Austen J. Smith, Professor.

Thesis: A Study of the Relationship Between the Yield Point, Delay Time and the Brittle to Ductile Transition in a Low Carbon Alloy.

JOSEPH ADAM IGNATOSKI, Ph. D.

B.S., M.S., Michigan State University.

Botany and Plant Pathology. Major Professor: Ervin H. Barnes, Associate Professor.

Thesis: Host-Parasite Interactions of Enzyme-Separated Cells of Soybean Leaves and *Xanthomonas phaseoli* var. *sojensis*.

SALAH ELDIN IMBABI, Ph.D.

Diploma, University College, Khartoum; DTVM, University of Edinburgh; M.S., Michigan State University.

Pathology. Major Professor: Donald A. Schmidt, Associate Professor.

Thesis: Experimental Autoallergic Aspermatogenesis in the Rat.

ANTHONY SHIANG-RU JUO, Ph.D.

B.S., M.S., National Taiwan University.

Soil Science. Major Professor: Boyd G. Ellis, Associate Professor.

Thesis: Chemical and Physical Factors Affecting the Relative Availability of Inorganic Phosphorus in Soils.

ROBERT MARSHALL KAPLAN, Ph.D.

B.A., University of British Columbia; M.B.A., Harvard University.

Business Administration (Marketing). Major Professor: William Lazer, Professor.

Thesis: Computer Applications in Marketing: An Analysis of Corporate Experiences.

CURTIS LEE KARL, Ph.D.

B.A., St. Olaf College.

Chemistry. Major Professor: William H. Reusch, Associate Professor.

Thesis: The Thermal Decomposition of t-Butyl 3-Methyl-3-Phenyl-perlevulinate, A Free Radical 1, 2-Acyl Migration.

PAUL EDWARD KREIDER, Ph.D.

Th.B., Owosso College; B.D., Nazarene Theological Seminary.

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

Thesis: The Social-psychological Nature and Determinants of Attitudes Toward Education and Toward Physically Disabled Persons in Belgium, Denmark, England, France, The Netherlands, and Yugoslavia.

## SCHOOL FOR ADVANCED GRADUATE STUDIES

### DOCTORAL DEGREES — Continued

- DAVID ELWYN KROMM, Ph.D. B.A., Eastern Michigan University; M.A., Michigan State University. Geography. Major Professor: Ian M. Matley, Associate Professor. Thesis: A Functional Geographic Approach to the Utilization of the Northern Michigan Forest Resource.
- KENNETH JACK LINTON, Ph.D. B.S., M.S., Michigan State University. Fisheries & Wildlife. Major Professor: Robert C. Ball, Professor. Thesis: The Dynamics of Five Rock Bass Populations in a Warm-water Stream.
- PHILLIP LE ROY MATTISON, Ph.D. B.A., Augsburg College. Chemistry. Major Professor: William H. Reusch, Associate Professor. Thesis: The Favorskii Reaction of the Pulegone Oxides.
- MASOUM M. MONTAKHABOLAYALEH, Ph.D. B.S., University of Iran; M.S., Michigan State University. Physiology. Major Professor: John E. Nellor, Professor. Thesis: The Influence of Gonadal, Adrenal and Synthetic Steroids on Mammalian Cells In Vitro.
- SAFWAT MAHMOUD MOUSTAFA, Ph.D. B.S., University of Alexandria; M.S., University of California. Agricultural Engineering. Major Professor: Bill A. Stout, Professor. Thesis: Mechanical Properties and Structural Stability of the Wheat Plant.
- MYRON BILL NEACE, D.B.A. B.S., M.S., University of Missouri. Business Administration (Marketing). Major Professor: William Lazer, Professor. Thesis: Value Systems and Meanings of Market-Place Activities.
- LUIS ORTEGA-NIEVES, Ed.D. B.A., M.P.A., University of Puerto Rico. Education. Major Professor: Edward Blackman, Professor. Thesis: Annual Reporting Practices of the Academic Deans and Department Heads at the Rio Piedras Campus of the University of Puerto Rico.
- EARL MARSHALL PALLETT, Ph.D. B.S., M.M., University of Oregon. Communication. Major Professor: Erwin P. Bettinghaus, Associate Professor. Thesis: Music Communication Research: The Connotative Dimensions of Music Meaning.
- MARTHA ELLEN PALMER, Ph.D. B.S., Central Connecticut State College; M.A., George Peabody College for Teachers. Geography. Major Professor: Lawrence M. Sommers, Professor. Thesis: The Institutional Impact of Distribution on the Economic Activities of Expellees in Hessen, Federal Republic of Germany 1945-1963.

## SCHOOL FOR ADVANCED GRADUATE STUDIES

### DOCTORAL DEGREES — Continued

- ROBERT GORDON PONZINI, Ph.D. B.S., University of Santa Clara; M.S., Marquette University.  
Physics. Major Professor: Julius S. Kovacs, Associate Professor.  
Thesis: The Effects of Unitary Symmetry upon Meson Production in Proton-Antiproton Annihilation.
- WAYNE DOUGLAS PURCELL, Ph.D. B.S., M.S., Virginia Polytechnic Institute.  
Agricultural Economics. Major Professor: Harold M. Riley, Professor.  
Thesis: An Appraisal of the Information Systems in Beef Marketing.
- CALVIN LEROY QUANCE, Ph.D. B.S., M.S., Oklahoma State University.  
Agricultural Economics. Major Professor: Glenn L. Johnson, Professor.  
Thesis: Farm Capital: Use, MVPs, and Capital Gains or Losses, United States, 1917-1964.
- ROBERT LESLIE ROSS, Ph.D. B.A., Iowa State Teachers College; M.A., Columbia University.  
Political Science. Major Professor: Charles R. Adrian, Professor.  
Thesis: Dimensions in Patterns of Relations Among Interest Groups at the Congressional Level of Government.
- JAMES AUSTIN RYAN, Ph.D. B.S., Northwestern University.  
Chemistry. Major Professor: Max T. Rogers, Research Professor.  
Thesis: Nuclear Quadrupole Resonance Study of Charge-Transfer Complexes.
- AMIR HOSSAIN TALUKDAR, Ph.D. D.V.M.S., East Pakistan Veterinary College; B.S., M.S., Texas A & M University.  
Anatomy. Major Professor: M. Lois Calhoun, Professor.  
Thesis: Microscopic Anatomy of the Integumentary System of the Horse.
- M. LEE UPCRAFT, Ph.D. B.A., M.A., State College of Albany.  
Education. Major Professor: James W. Costar, Professor.  
Thesis: Role Expectations for Chief Student Personnel Administrators in Large Universities.
- RONALD CHARLES VANDER KOOI, Ph.D. A.B., Calvin College; M.A., Western Michigan University.  
Sociology. Major Professor: John Useem, Professor.  
Thesis: Skid Rowers: Their Alienation and Involvement in Community and Society.
- WAYNE ELMER VANDE VERE, Ph.D. B.A., Emmanuel Missionary College; M.B.A., University of Michigan.  
Business Administration (Accounting). Major Professor: Charles J. Gaa, Professor.  
Thesis: Federal Income Taxation of Unrelated Business Income and Feeder Company Income of Non-Profit Educational Institutions.



## SCHOOL FOR ADVANCED GRADUATE STUDIES

### DOCTORAL DEGREES — Continued

VERNON WANTY, Ph.D.

B.A., Westminster College; M.A., Michigan State University.  
Education. Major Professor: Max S. Smith, Professor.  
Thesis: The Flow of Communication in a Community College.

DAVID LUTHER WILEMON, Ph.D.

B.B.A., M.B.A., Southern Methodist University.  
Business Administration (Marketing). Major Professor: Bernard J. LaLonde, Associate Professor.  
Thesis: An Analysis of the Age-Occupation Matrix as a Criterion for Vertical and Horizontal Market Delineation.

CAROLE ELLIS WOLFF, Ph.D.

B.A., M.A., Michigan State University.  
Sociology. Major Professor: William H. Form, Professor.  
Thesis: Urban Renewal: Patterns of Population and Housing Change.

DAVID WOOD, Ph.D.

B.S., M.A., Eastern Michigan University.  
Education. Major Professor: Stanley E. Hecker, Professor.  
Thesis: A History of School District Reorganization in the State of Michigan.

JOHN ARTHUR WOOLLAM, Ph.D.

B.A., Kenyon College; M.S., Michigan State University.  
Physics. Major Professor: Peter A. Schroeder, Associate Professor.  
Thesis: Electron Transport Properties of Metallic Tin in High Magnetic Fields and at Liquid Helium Temperatures.

WILFORD WALLACE WORTMAN, Ph.D.

B.S., University of Kansas; M.B.A., Denver University.  
Education. Major Professor: Karl T. Hereford, Professor.  
Thesis: Cost/Productivity Relationships in Central American National Universities.

## SCHOOL FOR ADVANCED GRADUATE STUDIES

### EDUCATIONAL SPECIALIST DEGREES

ROBERT CHARLES BROOK, Ed.S.	B.A., M.A., Michigan State University; B.D., Kenyon College. Education. Major Professor: John E. Jordan, Associate Professor.
BRIAN THOMAS CALLAGHAN, Ed.S.	B.S., Central Michigan University; M.A., Michigan State University. Education. Major Professor: Stanley E. Hecker, Professor.
ROBERT JOHN CHAMBERLAIN, Ed.S.	B.S., Eastern Michigan University; M.A., University of Michigan. Education. Major Professor: Fred Vescolani, Professor.
ROBERT DOUGLAS LOCK, Ed.S.	B.A., M.A., Michigan State University. Education. Major Professor: Willa Norris, Professor.
LAWRENCE JOSEPH NICHOLS, Ed.S.	A.B., M.Ed., Wayne State University. Education. Major Professor: Clyde M. Campbell, Professor.
VICTOR KENNETH PETERSON, Ed.S.	B.S., Western Michigan University; M.A., University of Michigan. Education. Major Professor: William K. Durr, Professor.
JAMES P. SIMS, Ed.S.	B.S., Jackson State College; M.S., Tennessee State University. Education. Major Professor: Max R. Raines, Associate Professor.
JAMES WILLARD TOSSEY, Ed.S.	B.S., Wayne State University; M.A., University of Michigan. Education. Major Professor: John Suehr, Associate Professor.

### DIPLOMA FOR ADVANCED GRADUATE STUDIES

RICHARD HOHLY, D.A.G.	B.S., University of New Hampshire; M.S., Michigan State University. Physics. Major Professor: Hugh McManus, Professor.
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# COLLEGE OF AGRICULTURE AND NATURAL RESOURCES

THOMAS K. COWDEN, DEAN

DEGREE OF  
MASTER  
OF SCIENCE

*Agricultural Economics*  
Saeed Ahmad  
Douglas Darwin Hedley  
William Elvidge Kost

*Animal Husbandry*  
Larry Ray Corah

*Biochemistry*  
Irene Hejl Kochevar  
Donna Lee Neal

*Cooperative Extension  
Education*  
Laurence Arnold  
Cushman, Jr.  
Barbara A. Judy  
LeRoy Kermit Knutson

*Crop Science*  
James Alan Fischer

*Food Science*  
James Robert Kirk  
Madhav Pandurane  
Palnitkar

*Forest Products and  
Packaging*  
Paul D. Bobb  
Donald David Drone  
Terry Kramer Timmons  
Richard Fred Witte

*Forestry*  
David Stephen Canavera  
Lyle Frank Erbsch  
Douglas Watson MacCleery  
John Beatty Mathies

*Resource Development*  
Anthony Francis Abar  
Joseph John Gillings  
Kerry Robert Ludlow Joy  
Richard Phillip Kelley  
Edward Allison Kirkby  
Leslie George Monostory  
William Albert Ruth

*Soil Science*  
William Herbert Miller  
Lawrence Alton Rudgers  
Chwan Chau Wang  
Lo-Tung Wang  
Amaro Zavaleta-Garcia

DEGREE RECOMMENDED  
JOINTLY WITH THE  
COLLEGE OF ENGINEERING

*Agricultural Engineering*  
Erling Orvald Nyborg  
Moedjijarto Pratomo  
Robert Harry Shaw  
Jesus Antonio Sisco



# COLLEGE OF AGRICULTURE AND NATURAL RESOURCES

## DEGREE OF BACHELOR OF SCIENCE

*Agricultural Communications*  
James Jay Zolczer

*Agricultural Economics*

\* Jerry Alvin Combs  
Gerald Otis Jessup  
Martin Thomas Smeltzer

*Agricultural Mechanization*

David Chester Steiner  
John B. Weaver

*Animal Husbandry*

Norris Sherman Blackledge  
Robert Max  
Dyksterhouse, Jr.  
John Arthur Fischer  
Robert L. Payne

*Building Construction*

Alan Jeffrey Gussin  
Ronald Russell Hansen  
John Charles Stillson

*Crop Science*

Richard John Allen  
Anthony S. Aromose

*Dairy*

Gail Eldon Bowers  
Robert Albert Johnson  
Robert Carl Shepard  
Richard L. Stout  
Douglas Duane Thuemmel

*Fisheries and Wildlife*

Russell Bruce Fyke  
Harry Albert Jacobson  
\* Alfred Samuel Pallottini  
Keith Duane Shepard

*Food Science*

William Charles Floate  
Walter Mark Turner

*Forestry*

Raymond Ernest Borg  
Thomas Lee Ortman  
Bruce Allen Veneberg  
H\* \* William L. Voelker

*Lumber and Building  
Materials Marketing*

Thomas Owen Mitchel

*Packaging*

Roger Lee Arens  
Donald Ralph Avolio  
Thomas Carl Burmeister  
Thomas Joseph Cardinal  
Carl Edward De Kleine  
Robert Emil Ferguson  
\* Kenneth Robert Fuller  
Theodore Burton Hart  
Richard Charles Ladd  
Lawrence Marshall Markey  
James Eugene Marterella  
Emery Charles Master  
James Lawrence Murphy  
Don David Nelson  
James Claire Opp  
David Paul Profitt  
Wilfred Eugene Riddell  
William Perry Spangler  
Cliff Lindley Steffen  
George John Thomas  
Bruce Edward Wood  
Joseph Charles Zabala

*Park Management*

Ross Donald Dodge  
James Martin Harter  
Glenn MacArthur Kreag  
Michael John Martens

*Pomology and Vegetable  
Production*

\* Gary Winston Lewis  
\* William Everett Thar

*Poultry Science*

\* Matteas A. Gustafson, Jr.  
Jeane Lorraine Hallin  
\* John Frederick Pepper

*Resource Development*

Fredrick Arthur Clinton

*Soil Science*

David Milton Diehl  
Dick Ervin Knirk  
Glenn Arnold Weesies

DEGREE RECOMMENDED  
JOINTLY WITH THE  
COLLEGE OF EDUCATION

*Agricultural Education*

Terry Evart Bowerman  
Douglas Arthur Crawford  
Ivan Lorin Immel  
Dale Eldon Stuby

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

# COLLEGE OF ENGINEERING

JOHN D. RYDER, DEAN

DEGREE OF  
MASTER  
OF SCIENCE

*Chemical Engineering*  
Kiritkumar G. Patel

*Civil Engineering*  
James Stephen Hubbell  
Chaitawat Sarakun  
James Harold Weber

*Electrical Engineering*  
Teymour Eliassi  
Kelly Paul Golden  
Gail Harold Grove  
Min Houn Hong  
Satvinder P. S. Mayall  
Peter Edward McCormick  
Pierre E. A. Monjaube  
Larry Neil Postema  
Gopalsamy Srinivasan  
Maris Andris Straumanis

*Mechanical Engineering*  
Guy C. Antoine  
Paul William Grauer  
Thomas Charles Kreger  
James Anthony Kutchev  
James Lee Skripka  
Gerald James Van Fossen, Jr.

*Metallurgy*  
James Brown Carlton  
Karl Joseph Puttlitz  
Milan Kumar Roy Choudhury

DEGREE OF  
BACHELOR  
OF SCIENCE

*Civil Engineering*  
Larry Robert Brown  
Donald Lawrence Carr  
Philip William Hoel, Jr.  
Michael Arthur Kaza  
\*Ralph John Knop  
\*Robert William Laza  
William Ward Nelson  
James Watson Page  
\*\*Albert R. Posthuma  
Robert Charles Smith  
Andris Strupulis  
Terrance Brice Warner

*Electrical Engineering*  
Abbass Khalil Al-Zubaydi  
M. John Elliott, II  
Glenn Earle Mitchell  
Richard Francis Morgan

*Mechanical Engineering*  
Edward John Adams  
Farouk Abbass Al-Janabi  
Saleh H. Almilli  
Gary Lee Erber  
Roy Edward Fouch, Jr.  
Larry Robert Hadd  
Mark Wayne Hunt  
Waleed Yahya Jassim  
\*Michael Allan Karnitz  
William Jay Knapp  
Roy Herbert Link  
Robert Lee Marecek  
James Joseph McFall  
Gerald Thomas O'Neil  
Jack Owen Otteson  
Ralph Lloyd Roxbury  
George Francis Sargent  
Raymond Francis Simbulan  
David Franklin Spalding  
\*Robert David Toeppner  
Tom Angelo Turnas  
Kenneth E. Witzke

*Metallurgy*  
Peter Kim Van Doorn

DEGREE RECOMMENDED  
JOINTLY WITH THE  
COLLEGE OF AGRICULTURE  
AND NATURAL RESOURCES

*Agricultural Engineering*  
Robert Gerard Dussault

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\* With Honor  
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# COLLEGE OF HOME ECONOMICS

JEANNETTE A. LEE, DEAN

DEGREE OF  
MASTER  
OF ARTS

*Child Development*  
Carol Lou Holt

*Education for Home and  
Family Living*  
Elaine Diana Roccapriore

*Home Management*  
Vivian Marie Pavlis  
Steinbauer

DEGREE OF  
MASTER  
OF SCIENCE

*General Home Economics*  
Joan Ilene Bowker  
Julia Kasichana Ramtu

*Institutional Administration*  
Nelida Simons

DEGREE OF  
BACHELOR  
OF SCIENCE

*Dietetics*  
\*Valerie Louise Patriarca

*General Clothing and Textiles*  
Mary Kathryn Gaertner  
Katharine Johnston Hair  
\*Catherine Ann Veit

*General Home Economics*  
Eileen Marie Luther  
Sheila Marie Miller  
\*Barbara Joyce Quayle

*Interior Design*  
\*Judy Laurine Brown  
Mary Helen Redfern

*Retailing of Textiles and  
Clothing*  
Elna Ruth Benson  
\*Susan Grace Cork  
Raymond D. Deshazo  
Patricia Anne Hill  
Cheryl Jayne Klyop  
Dianne Claire Martin  
Robertta McElhoe  
Karen Elaine Peterson  
Suzanne Mary Schmierer  
Susan Lynn Smith  
Rosemarie P. Wolf

DEGREE RECOMMENDED  
JOINTLY WITH THE  
COLLEGE OF EDUCATION

*Child Development and  
Teaching*  
Alice Marie Maring  
Kathryn Mary Pajtas  
Frances Ann Storkan

*Home Economics Teaching*  
Geraldine C. Defrenn  
Joanne Stone Heemer  
Evelyn Jean Hunt  
Carol Lynn Jaskierny  
Marcia Lee Kimball  
Kay Ellen Raasch  
Monica Diane Radcliffe  
Carla Ann Herndon Rice  
Barbara Joyce Stockdale  
Joyce Noreen Yeutter

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\*\* With High Honor



# COLLEGE OF VETERINARY MEDICINE

WILLIS W. ARMISTEAD, DEAN

## DOCTOR OF VETERINARY MEDICINE

Alyce Rosina Bartz  
Lynne Lee Becker  
Robert Allan Bonar  
\*Richard Edward Bostrom  
Bruno Buratto, Jr.  
Julian S. Chestnut  
\*Thomas Gardner Cranston  
Ronald Kieth Disbrow  
Myron Essex  
\*John W. Fox, Jr.  
Jill Ellen Frucci

Gerald W. George  
Bradford Shaw Goodwin, Jr.  
Nicholas Sayles Gorham  
\*Jeffrey Ray Hamann ✓  
\*John Ross Hartwick  
Norman Charles Henderson  
\*Richard Michael Jakowski  
William Frederick Keish, Jr.  
\*Owen Harold Kleinschmidt  
Gerald John Kolaja  
Raymond Clyde Mackey

Stephen Edward Morrone ✓  
\*Walter James Mulvihill, Jr.  
\*William P. Robinson, Jr.  
Charles G. Schendelman  
Kenneth Frederick Seifert  
\*Susan Dorothy Siegel  
Frederick McLae Sutherland  
Samuel Wallace Tate  
Gerald Lee Wonnacott  
\*Nelson Frederick  
Woolman, Jr.

## DEGREE OF MASTER OF SCIENCE

*Anatomy*  
Joe A. Bollert  
Duane Edwin Haines

*Pathology*  
Bruce Robert Christie  
Dibakar Panigrahi  
Mahlon Wesley Vorhies

## DEGREE OF BACHELOR OF SCIENCE

*Medical Technology*  
Valdis Talbergs

*Veterinary Medicine*  
Karen Lee Anderson  
Peter Wentworth Beeman  
David Laurence Burghard  
Cheryl Lynn Chrisman  
Daniel Dale Dean  
Alan Bruce Dubowy  
\*Ronald Herbert Gosse  
Kenneth Marvin Harr  
\*John Edgar Henton  
\*Richard Manning Hirr

H\*\*Jeffrey David Johnson  
H\*Jerry L. Johnson  
Kenneth Bruce Johnson  
H\*\*Albert William Lynch, Jr.  
H\*Robert Charles Rosenthal  
Sheryl K. Schwegler  
\*Marianne Eileen Shirk  
H. Gregg Smith  
Lynne Christine Weaver  
\*Robert Douglas Whipple  
Randy Lee Wysong

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# COLLEGE OF BUSINESS

ALFRED L. SEELYE, DEAN

DEGREE OF  
MASTER  
OF ARTS

## *Economics*

Gerald Milton Czarnecki  
Minhajud-din Khan  
Hugh William McNeil

## GRADUATE SCHOOL OF BUSINESS ADMINISTRATION

DEGREE OF  
MASTER OF  
BUSINESS  
ADMINISTRATION

Ronald Frederick Abdella  
Arthur Philip Altman  
David Lee Appel  
Matthew C. Bianco  
Jerome Anthony Bielawski  
Richard Arnold Blott  
Wellington A. Bonsecours  
Henry Robinson Buck  
Pedro Ribeiro Celidonio  
Gomes dos Reis  
Ilhan Cemalcilar  
Yee Ching Chen  
William McCabe Coolidge  
Anthony James  
Copenhagen, Jr.  
José Vladimiro Estévez  
Wayne Robert Fortin  
Gunars Janis Fricsons  
Daniel Sebald Glennie  
John Joseph Gottko, Jr.  
Philip Richard Granger

Theodore Guido Hansen  
Frederick William  
Hartker, Jr.  
Keith Jon Hess  
Derek Anthony Houston  
William B. Kinde  
Charles Philip Krantz  
Donald Keith Larsen  
Donald Charles Leaf  
Robert Koester Miller, II  
Thomas Howard Miller  
Philip Granville Mitchell  
Larry Vernon Moore  
Rolland James Oselka  
Antonio Jacinto Otero  
Elias Alberto Pacheco  
Roberto Pires Pacheco  
Franco Pajella  
Kenneth Edward Peyton  
Russell Eldon Pigue

Charles Edward Reeves  
Melvin Oliver Robinson  
Arthur Alan Roose  
Daniel George Russell  
Theodore Streb Russell  
Thomas Henri Sak  
Henry Kennard Sanford  
Alan Kent Schlytter  
Richard Dennis Schubert  
Frederick Cooley Seeley  
Wayne Kenneth Shaffer  
Jonathan Whipkey Slagh  
John Smith  
David R. Spille  
Stephen B. Sugarman  
Osman Tekok  
John William Tysse  
James Lee Wittenbach  
Jerry Allan Woodcock  
Yuzo Yagi

DEGREE OF  
BACHELOR  
OF ARTS

## *Accounting*

Max Raymond Bunker  
Bruce English Corey  
\* Donald James Freriks  
Richard Dennis Guest  
Donald David Hutchinson  
\* L. Philip Kelly  
Gerald Jerome Kloeckner  
Donald Dean McNeely  
\* Lawrence Arthur Mills  
Frank Michael Navetta  
Jerome Charles Parker  
Raymond Leo Peltier  
Frederick Robert Wallace

## *Economics*

\* Karl A. Boedecker  
Keith Michael Earl  
Jack William Godlewski  
David Gregory Lamie  
\* Ronald C. Lapekas  
Ronald Blissett Roland  
\* David Leslie Runnells, III  
Ronald Holliday Wickham

## *Financial Administration*

Theodore Jay Carlson  
Thomas David Harris  
Kenneth Nixon Meek  
Robert Edward Ossmann  
Jack Clifford Radcliffe, Jr.

## *Food Marketing Management*

\*\* Dennis Michael Duquette  
Steven Paul Showerman

## *Executive Secretarial Administration*

Sandra Lee Carpenter

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# COLLEGE OF BUSINESS

## DEGREE OF BACHELOR OF ARTS

### *General Business Administration*

Michael Roland Ashburne  
Richard Lee Black  
James Norman Busch  
Patrick Demas Cromley  
Donald John Domenick  
Thomas Edgar Franklin  
Berndt Voigt Fraser  
Lyle Edward Hartka  
Richard Allen Knost  
John Arthur MacDonald  
James B. Musell  
Harley Dee Sappington  
Philip Richard Simenton  
Robert Hugh Speer, Jr.  
John Russell Vande Water  
James Karl Wheaton  
\*Paul Stark Wilson  
William Winters  
\*Richard Lee Woboril  
Fred Allen Woolsey

### *Hotel, Motel and Club Management*

Jack Aaron Bress  
Patrick Allan Hayes  
Thomas Gordon Heydon  
Theodore Walter Kinkel

### *Hotel and Restaurant Management*

Santiago Badia  
Ronald John Biwer

Fred Ronald Deas  
Susanna Elaine Dillman  
William James Durell  
Robert Reece Fanning, Jr.  
\*Frederick John Hawley  
William Harrison Jones  
Robert L. Lipford  
Dudley Warren Marvin  
Jerry Allen McVety  
Gerald James Meyers  
\*Julanne Armida O'Neil  
Donald Charles Richards  
Michael Patrick Ruane  
\*Daniel Herman Schmid  
James Melvyn Stackpoole  
Frederick Joseph Swift  
Donal James Weaving

### *Industrial Administration*

Charles Bengry Alvord  
Michael Humphrey King

### *Institutional and Hospital Management*

Howard James Purcell, Jr.  
John Alexander Stelmaszek

### *Marketing*

Robert Joseph Chapko  
Dale Robert Coon  
James Mason Dye  
\*James H. Hartl  
Heath John Howland

\*Stephen Allen Juday  
Theodore Kirshenbaum  
James Michael Kupper  
Thomas Edward Larsen  
Robert Burbank Miller  
Gary Thomas Nickerson  
Anthony Paul Park  
Coral Sue Peterson  
Elizabeth Anna Schmidt  
Spencer A. Silk  
Thomas Carl Smith  
Charles Robert Sterns  
James Patrick White  
Judith Ann Ziegler

### *Personnel Administration*

\*Charles Francis Murray  
Ralph H. Pylman  
Norman Anthony Skrabut  
\*Carl Henry Whitt, Jr.

### *Restaurant Management*

Richard Owen Hammond

DEGREE RECOMMENDED  
JOINTLY WITH THE  
COLLEGE OF EDUCATION

### *Business and Distributive Teacher Education*

Dorothy Louise Beck  
Jon Michael Rosenbaum  
Carole Lavone Webster

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# COLLEGE OF EDUCATION

JOHN E. IVEY, JR., DEAN

DEGREE OF  
MASTER  
OF ARTS

*Education*  
Dennis Thomas Adams  
Janet Elaine Anderson  
Thomas H. Arcy  
Ronald William Aulerich  
James A. Banks  
Geraldine Kay Barnes  
Jean Swengel Beardsley  
Lynn Keith Beck  
Hannah Guttman Ben-David  
Daniel Bruce Berch  
James Keith Bilby  
Viola Larson Bosserdet  
Mabel Maude Bratschi  
Shirley Smith Brown  
Philip Clemons Carlson  
Robert M. Clark  
Billy Holmes Conn  
Maria Bernadette B. Costa  
James Lee Custer  
Theodore Samuel Darany  
Milagros Paluero de los Reyes  
Roberta Doloris DeMott  
Deborah Klopp Finger  
Kent J. Gage  
Russell Leroy Gibbs

Marvin Lee Goad  
Versal Fredrick Gunnell  
Fred Henry Heiner  
Raymond Vinson Hull  
Patricia Walsh James  
Lottie Jaroszynski  
JoAnne Rodeheffer Jarvis  
Irma R. Johnson  
Barbara Johnston  
Joyce Elaine Juneke  
Charles Edwin Karpinski  
Robert K. Laraway  
Samuel Joseph Levine  
Chester Jay Lewis  
Robert Eugene Lloyd  
Michael Grant Marshall  
Betty M. McGaw  
Leslie Lee Miller  
Duane Marshall Morey  
Richard Allen Morrill  
Daniel G. Munoz  
Billie Dee Judith Munro  
Melvin George Nunn  
Donald R. Ostrander  
Jo Ann Panter

Robert B. Panter  
Frank Forrest Phillips  
Mohammad Abdur Rahim  
Reba Marie Rudolph  
David Ewald Rumminger  
Marvin Sage  
Delano Douglas Schneider  
Donald Todd Shirley  
Doris Keith Shorr  
Anne K. Solomon  
Thomas Wayne Spierling  
Karl William Stearns  
Poranie Sthitvong  
Karen Kay Sweet  
Barry Anthony James Swiss  
James Louis Theunick  
Gloria Ann Thompson  
Charles John Vander Kolk  
Judith Kay Wagner  
Shelby Jean Wagner  
Margaret Ruth Welty  
Margaret Lou Wilkinson  
Roy William Wilt  
Theresa Mary Wujkowski  
John Martin Zimmerle, III

DEGREE OF  
BACHELOR  
OF ARTS

*Elementary Education*  
Constance Jo Adler  
Ellen Bisgeier Altman  
Elizabeth Byrd Arend  
Kathie Leslie Arsneault  
Jerrilynn Karen Bard  
Lenora Ann Bennett  
Nancy Catherine Blodgett  
H\*<sup>\*</sup> Arlene Marian Bowen  
Suretta Elaine Bronstein  
Sue Ann Brunner  
Ruth Marie Caplon  
Marcia Jane Carpenter  
Roberta Anne Clingan  
Janet Lillian Coleman  
Thomas Timothy Crowner  
Patricia Louise Didier  
Carole Helen Dunston  
Jeanine Ellen Elder  
Karen Faye Engelsman  
Carole Brodie Glaza

Patricia Anne Groehn  
William Howard Hamann  
Kirby Alan Hanson  
Linda Kay Harper  
\*<sup>\*</sup> Martha Sue Hosek  
Carol Marie Johnson  
Louise Marie Jordan  
Susan Jane Klein  
Barbara Anne Klont  
Clarence Streeter Knox  
Susan Carolyn Langeland  
Suzanne Elizabeth Linker  
Ann Elizabeth Mason  
\*<sup>\*</sup> Sally Jill Masselink  
Nancy Jean McKim  
Pamela Ann Misket  
Verneda Mitchell  
Merilee Amanda Mueller  
Christie Lee Neadeau  
Linda Lee Neff  
Sandra Joan Nemode

Barbara Ann Parker  
Christine Agnes Poteous  
\*<sup>\*</sup> Susan Ann Provost  
\*<sup>\*</sup> Linda Mae Reva  
Marsha Jo Ann Rizzardi  
\*<sup>\*</sup> Christine Mereda Robinson  
Pamela Ann Ross  
Sandra Diane Rubert  
Harriet Suzanne Rubin  
\*<sup>\*</sup> Marsha Willbee Schreur  
Carol Ann Schwyn  
Denise Marie Shell  
Gayl LaDonna Smith  
\*<sup>\*</sup> Margaret Helen Smith  
H\*<sup>\*</sup> Katherine Ann Smits  
Bonnie Painter Stammann  
Sybil Sue Stanton  
Barbara Jean Stanzel  
Diane Constance Steffens  
Patricia Louise Steffes  
\*<sup>\*</sup> Diane Hunt Stevens

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# COLLEGE OF EDUCATION

Barbara Jean Temple  
Elizabeth Kathleen Tiesi  
Michael Martin Todorov

H\*\*Dianne Carol Hansen  
Susan A. Vogel  
\*\*Virginia Perkins Walters

Patricia Fell Whitson  
Andra Wallace Winkelman

## DEGREE OF BACHELOR OF SCIENCE

### *Health, Physical Education and Recreation*

Ledeane Evelyn Barker  
John Charles Biedenbach  
Donald John Bierowicz  
Priscilla Lynn Brower  
Barbara Ann Butcher  
David Allen Chapman  
Lois Saylor Donahue  
Amey Eckles  
Felicia Julia Fik

Donald Arthur Hahn  
John James Karpinski  
Melvin Edward Laska  
Carole Anne Mielke  
Arthur D. Miller, Jr.  
Warren Thomas Puggini  
Judith Lynn Ruster  
Carl LaRue Salling  
Thomas W. Smith  
\*Lynne Miernicki Young

### *Industrial Arts*

David Leonard Menghini  
Christopher Louis Miller  
Gary Morse Olmsted  
Simon John Reiner  
Chris Herbert Tiel  
Bruce Ellwyn Vissers

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# COLLEGE OF COMMUNICATION ARTS

FRED S. SIEBERT, DEAN

## DEGREE OF MASTER OF ARTS

### *Advertising*

John Terrence Greening

### *Communication*

Gerald Winn Card  
Donald Ellis Gregg  
Edward Lee Razinsky  
James Franklin Sargent

### *Journalism*

Barbara Everitt Bryant  
Michael K. Morrison  
John David Strickler

### *Speech*

Richard Andrew Duncan  
Robert Andrew Lyons  
Nancy Reid Marutz

### *Television and Radio*

George Edward Lott, Jr.  
Mary Elizabeth Nocera

## DEGREE OF BACHELOR OF ARTS

### *Advertising*

Gary Lee Brandt  
John David Breslin  
David L. Burke  
Gerold Ross Czuchna  
Anthony James Hopp  
Wayne Lewis Keller  
John Edward Kimball  
John Julian Komarynski  
J. Patrick O'Donnell  
Norman Leonard Osinski  
David Lance Roberts  
Dinah May Robinson  
Andrew Terry Rogin  
Robert John Schanilec  
John David Schulz  
Louis Michael Schultz

### *Communication*

Ferris Edward Lucas, II

### *Journalism*

Joanne A. Alessandroni  
Carole Joy Cornell  
Kurt E. Hahn  
\*Linda Kay Hoag  
Noel Fern Hornbeck  
Donald O. Johnson, II  
James I. Mosher  
Richard Michael Phillips  
Constance Sue Schacht  
Anthony Gennoro Triponi  
Mary Frances Ullrich  
H\* Faye Eileen Unger  
Carmela Ballato Witzke

### *Speech*

Linda Marie Casteel  
John Frederick Gilmore  
Michael Arthur Noverr

### *Television and Radio*

James Omar Brye  
Salvador Bolivar Camacho  
Peter Paul Ceglarek  
Larry Rex Gray  
Sally Ann Murphy  
James F. O'Meara  
\*Shelby Kay Smith  
Robert Campbell Stewart  
David Paul Timpe

## DEGREE RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

### *Speech*

\*Cleomae Dean Dungy  
\*Kathryn Ann Flatley  
\*Kathleen Kay Hein  
Rita Loomis Holtslander  
Betty Lou Lowenthal  
Mary Lou Marguarite  
Malatesta  
Janet Mary Rosenau  
Lucille Ann Rutherford

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# COLLEGE OF ARTS AND LETTERS

PAUL A. VARG, DEAN

## DEGREE OF MASTER OF ARTS

*Art*  
Mary Ann Bryner Ellinwood  
John Robert Fletcher

*Comparative Literature*  
Valerie Lee Graber

*English*  
Zacchaeus Adekunle Adejumo  
Jane Ann Barnes  
Harold C. Booton  
Larry Lee Carey  
Richard James Dalzell  
Dennis Stewart Garn  
I. Michael Grossman  
John Bruce Holmes  
Norris Brock Johnson  
Della Finn Moten

Kathleen Martin Odowd  
Barbara Dallas Palmer  
Mikio Shiroma  
Naomi Ruth Sloan  
Michael Jay Steinberg  
Rollin Adelbert Westendorf  
Elizabeth Siber White

*French*  
Mary Irene Smucker

*German*  
William James Bohn  
John Russell Hubbard

*History*  
David Grayson Allen  
Michael Walfred Asumaa

Charles William Bethea  
William G. Hairston, Jr.  
Randal Leigh Hoyer  
Imre Tibor Jarmy  
Judith Louise Noble  
Stanley Morris Reed  
Ralph F. Young

*Philosophy*  
Thomas Paul Curran  
Thomas E. Rickert

*Russian*  
Igor Guro

*Spanish*  
Nancy Lee Diener  
Heather Rose Keel

## DEGREE OF MASTER OF FINE ARTS

*Art*  
James Tate Sampson

## DEGREE OF MASTER OF MUSIC

*Applied Music*  
Mary Anne Sunderman

## DEGREE OF BACHELOR OF ARTS

*Art Practice*  
Virginia Carpenter  
Nancy Kathryn Truscott  
Terry Arnold Wareham

*English*  
Richard John Auble  
\*Joseph George Barabe  
Lori K. Emmons

Nathan James Hammond  
Susan Gail Hopkins  
\*Mary Frances Hunt  
\*Carol Takako Kamiyama  
James W. McKenzie, III  
Nada Roselle Sertich  
\*René Allen Smith  
Susan Elizabeth Surface  
\*Raven Rautio VanSchaack

Joanne Vivian  
Christine Elizabeth Yule

*French*  
Ann Wade Barton  
\*Mary Jane Harrison  
H\* \*Marian Elizabeth Moynes  
Pamela Workman

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\* With Honor  
\*\* With High Honor

# COLLEGE OF ARTS AND LETTERS

## *History*

H\*\*William Edmund Bachmann  
 \*James Howard Eckl  
 Patricia Sue Kinyon  
 Sandra Lee Ritthaler  
 Kenneth LeRoy Smith  
 Marvin DeWayne  
 Tomkinson  
 Judith Ann Valrance  
 Robert S. Workman

## *Humanities*

Sheila Marie Browne  
 George Frederick Burtzloff  
 Catharine Barnes Coolidge  
 \*Richard Dale Lipsey, Jr.  
 H\*\*Marjorie Jean Nelson  
 Yvonna Sessions  
 Daryl L. Stamm  
 \*Lianne Gaye Thompson

## *Philosophy*

H\*\*John Curran Ladd  
 Victor Ray McManemy

## *Spanish*

David Earl Jones

## DEGREE RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

### *Art Practice*

\*\*Marjorie Anne Benedict  
 Geraldine Clark  
 Susan Jo Dedo  
 Beverly Jane Gieske  
 John Anthony Krale  
 Susan Gaye Laugal  
 Paul Thomas Nelson  
 Diana Lynn Pescar  
 Ann Balzell Piper  
 Danna Jean Wolke

### *English*

Kenneth Francis Collins  
 H\*\*Janet Florence Halfmann  
 Diana Sue Hunter  
 \*Virginia Maureen Keleher  
 Leo Edward Poort  
 Colleen Elizabeth Whittaker  
 Anne Joanne Wrzesinski

## *French*

Tatiana Balasis  
 \*Olivera Ljasko Bukovinsky  
 Michele Kiernan Comstock

## *German*

Eleanor Pauline Blascak

## *History*

Jerry Clifford Allen  
 Judith Maxine Bachand  
 Edwin Harold Fisher  
 Samuel Preston Gaines  
 \*Mary Charlene Kurka  
 Martha Mackenzie  
 Douglas Bruce McLeod  
 Frederick William Nelson  
 Roger Harvey Ridley  
 Kathleen Berniece Rourke  
 Nikoletta Taminen Sobkowski  
 Daniel William Swatosh  
 Thomas W. Tobolski

## *Latin*

\*Nancy Lynn Boyle

## DEGREE OF BACHELOR OF FINE ARTS

## DEGREE RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

### *Art Practice*

Bruce Edward Smith

## DEGREE OF BACHELOR OF MUSIC

### *Music Therapy*

Judith Ann Agin  
 Charles Douglas Seybold

## DEGREE RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

### *School Music*

\*\*Gayle Susan Ackley

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# COLLEGE OF NATURAL SCIENCE

RICHARD U. BYERRUM, DEAN

DEGREE OF *Mathematics*  
MASTER David Frederick Powers  
OF ARTS

DEGREE OF *Chemistry*  
MASTER Michael David Dyke  
OF ARTS FOR  
TEACHERS

DEGREE OF *Biological Science—  
Interdepartmental*  
MASTER Charles Julius Helgren  
OF SCIENCE Helen Mayrand Kopenski  
Walter Carl Lindell  
Alfeo Mauya Nikundiwe  
Philip Steven Ulinski  
*Botany*  
Lawrence Willard Nelson  
*Chemistry*  
Charles Albert Roth  
Penny Jean Stoner

*Entomology*  
Jeffrey James Jackson  
Luis Gualberto Merino  
Richard John Snider  
James Hsi-cho Tsai

DEGREE OF *Mathematics*  
BACHELOR \*Barbara Jean Mauller  
OF ARTS H\*\*Sara Celeste Shaw

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*Geology*  
Henry Simon Chafetz  
Erwin K. Pennington  
Merlin Leroy Wheeler  
Chester H. Wilson

*Mathematics*  
David Parham Bellamy  
Charles Leonard Belna  
Thomas Randle Butts  
Peter Emdon Cornwell  
Gregory Francis Gruska  
Joseph Charles Hudson  
Gerhard Walter Knutson  
Charles Michael Ognar  
Eugene Leroy VandenBoss

*Microbiology*  
Aline Lucile Garretson

*Physics*  
Stephen Lewis Bosma  
David L. Enlow  
Sharon Lee Gripshover  
G. Richard Hammerstein  
Donald Vincent Hirst, Jr.  
David Lee Lambert  
James Merrill Marler  
Glenn Thomas Williamson

*Physiology*  
Larry Robert Klevans  
Richard Carrol Rose

*Radiological Health*  
Srichak Vatcharakiet

*Statistics*  
Janet Tolson Eyser  
Manfred Benedict Kieser



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## DEGREE OF BACHELOR OF SCIENCE

*Biological Science—  
Interdepartmental*  
Warren Greeley Stauffer, Jr.

*Geology*  
H\*\*Alan Roger Gnad

*Mathematics*  
H\*\*Karen Ruth Brown  
Judy Ann Buechler  
\*Lion K. Elliott  
H\*\*Steven M. Entine  
Heidi Arthur Griffith  
Curtis Courtney Hart  
H\*Maurine Annette Haver  
Alan Roy Huckins  
H\*\*James Herbert Kramer  
Robert Joseph LaLonde  
Arnold Robert Lindstrom, Jr.  
\*David Matuszek  
H\*\*John Richard Myers  
H\*\*Ray Stephen Radcliffe  
Pamela Schelp  
Ronald C. Tveter

*Microbiology*  
\*Hugh R. Fauser  
Kathleen Marte Smiley

*Nursing*  
Sandra Lee Howard

*Physical Science—  
Interdepartmental*  
Robert Tenny Parks

*Physics*  
Michael John Hamilton  
Donald Wright Homan  
Larold Clarence Ingalsbee  
H\*\*William E. Wright

*Physiology*  
William Allan Schantz

*Zoology*  
Clinton Dale Anderson  
John Lowell Bradley  
Charles Lewis Corley  
Sarah Ann Crafton  
Terry Lemmer  
Diane Carol Lowery  
Gary Richard McCabe  
Gerald William Musch  
H\*\*Jo Ann Nelson  
Stanley Wayne Powell, Jr.  
H\*\*Gary Carl Scheidt  
Jerry Carl Smrchek  
Donald Allen Snide

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*Biological Science—  
Interdepartmental*  
Raymond LeRoy Baumbach  
Stewart Lee Gingrich  
Geoffrey George Jones  
Gary Edward Marx  
Warren Benton Meeks

*Chemistry*  
\*Edward Benjamin Morris

*Mathematics*  
\*\*Janet Charlene Foley  
Dorothy Wilkins Jarboe  
Eugene Charles Lempert  
Gene Louis Thorley  
Terry Gene Walters  
Vicki Marie Williams

*Physical Science—  
Interdepartmental*  
Jack Francis Spring  
Richard T. Weber

*Zoology*  
\*Susan Dexter Hoxie

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\*\* With High Honor

# COLLEGE OF SOCIAL SCIENCE

LOUIS L. McQUITTY, DEAN

DEGREE OF MASTER OF ARTS	<i>Anthropology</i> Demosthenes Dinsay Gumalo David George Lord Bihari Krishna Shrestha	Donald Julius Kulick Richard Charles Levy Philip Neal Marcus LeeAnn Goodrich Matthews Douglas Roy Parker Peter George Renstrom Jack Ronald VanderSlik	<i>Social Science</i> Charles William Altenhof Catherine Mary Chape Michael Moore McAleenan Hormoz Mehrdad Glen Wilburn Whitener
	<i>Geography</i> Gerald Elmer Behn Donald Leonard Capone Timothy James Kubiak William L. Warber	<i>Psychology</i> John Pray Fry, Jr. Barry David Graff Reid Petree Joyce Jonathan David Kazsuk Bruce Carl Leibrecht Edwin W. Rubel Lynne Gertrude Tenbusch Robert Hammond Tinker	<i>Sociology</i> Andrew Henry Babyak Ruth Evelyn Dennis Arnold Gray Holden Kathryn D. Lass LeRoy Walter Ross Rimmalapudi Satyanarayana Robert Keith Shelly
	<i>Political Science</i> Brian Wilson Coyer Judith Brengle Finn Douglas J. Hoekstra William David Ice Elizabeth Ann Kelley		
DEGREE OF MASTER IN LANDSCAPE ARCHITECTURE	Donald Rodney Tapp		
DEGREE OF MASTER OF SCIENCE	<i>Geography</i> John Fred Annegers	<i>Police Administration</i> James Edward Moran John Floyd Smith Allan Robert Speevak Robert Wasserman	
DEGREE OF MASTER OF SOCIAL WORK	Yeshitila Araya		

# COLLEGE OF SOCIAL SCIENCE

## DEGREE OF

### MASTER

### IN URBAN

### PLANNING

James A. Bryant  
Charles Lawrence Gabler  
Allan Adolf Hodges  
Jon Paul Weersing

## DEGREE OF

### BACHELOR

### OF ARTS

#### *Political Science*

Luciano Capicchioni  
James Edward Cohrt  
H\* Penelope Ann Downs  
\*Thomas Edwin Harmon  
\*John Joseph Hayes  
Joel Thomas Hickey  
John Raymond Hilbert  
\*Karl Eugene Kraus  
Larry Jay Lenick  
\*David F. Pfotenhauer  
Max LeRoy Pierce  
\*Frank August Schubert  
David Alan Thomas

#### *Psychology*

Gayle Nadine Anderson  
H\* Janet Elizabeth Bennington  
H\* Mary Robinson Berk  
\*Sharon Diane Compton  
\*Kitty Jeane Keith

#### *Social Science*

Kurt Lee Atchinson  
Edward Charles Bartl  
Howard Kenneth Beck, Jr.  
Susan Ann Bronner  
Barbara Anne Hannewald  
Eugene John Burke  
Raymond Francis Cederholm  
Stephen Jay Churgin  
Roy Bernard Clifton  
Robert Jackson Cordaro

H\* Richard Arthur Durell  
\*John H. Edwards  
Duane Douglas Finley  
Judith A. Hardy  
Edmond Arnold Heck  
Brian Gene Holmes  
Nicholas Roger Hostettler  
Daniel Rankin Hueni  
H\* Howard Anthony Jack  
Don Woodruff Jones  
H\* Kevin Roger Kay  
Thomas Ross Kennedy  
George John Minerick, Jr.  
Christopher Carl Nern  
\*Barbara Schmitzer Noble  
Judith Mary Patriarche  
Walter James Petroski  
Stephen Alton Powers  
Ralph William Richards  
Myles Loren Schlicher  
Patricia Dorsey Sherman  
\*Geoffrey Donald Simmon  
H\* James Carl Sonnemann  
Benjamin N. True, III  
James Lee Tuman  
H\* Carolyn E. Tyirin  
Michael James Whyte  
Steven David Wolosker

#### *Social Work*

Karen Elizabeth Adams  
Marjorie Lee Brookins  
\*Joan Davids

Margaret Anne Hoffmann  
Eleanor Anna Householder  
\*Naomi Jacobs  
\*Jeanne Knight Kyselka  
Susan Elizabeth Monan  
\*Susan Kaye Movold  
Frances Lucy Odbert  
Fumio Omura  
Judith Marjorie Poole  
Nicole Ilona Sabo  
Thomas Henry Thelen  
Timothy Joseph Uhlmann  
Diane Mary Wood

#### *Sociology*

H\* Barbara VanDyke Kirk  
John W. Munsie  
Lorene Myrna Olson

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#### *Social Science*

\*Judith Ann Albers  
James Edward Barrick  
Judith Ann Brown  
Faye Eileen Deytshe  
Gloria Jane Eisenhauer  
Joanne Frances Engelhard  
William John Hagan  
Pamela Dare Perkson  
H\* Etta Christine Ruttan

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DEGREE OF  
BACHELOR  
OF SCIENCE

*Landscape Architecture*

Robert F. Dill  
\*William Jay Fryer  
John Charles Lynch  
Vaughn Gilbert Marston  
Gary Wayne Puryear  
Dennis Kent Robertson  
Robert Douglas Rubie  
Ryan Gene Rutherford

*Police Administration*

Bruce Stuart Beal  
Susan Kay Brady  
\*Phillip Clifford Briggs  
Ronald Edward Conklin  
Leif Ericksen  
Michael Dean Fimmen  
Arthur Earl Fletcher  
Raymond John Gutknecht  
John Gary Jarchow  
\*\*Philip Charles LaFond  
Janet Diane Remez Langer

Nga Mamba Machema  
\*Raymond LeRoy Medved  
Bjorn Pedersen  
Norman John Raasch  
\*Philip Allen Taft  
Donald Barrie Weatherspoon  
Robert Russell Westby

*Psychology*

David Herbert Eichinger  
Jack Walt Horner  
Dale Allan Houseman  
William Hay Johnson  
\*Peter Richard Jones  
Hynson Howell Marvel, Jr.  
Dwight William Nibbelink  
Frank William Thiel  
\*Robert Richard Walsh

*Social Science*

Edward Steven Demeter  
Douglas Michael Glaza

Ronald Keith Gregory  
Lynn Darryl Hamilton  
Wayne B. Hamilton, Jr.  
Michael Charles Meyer  
David Childs Monroe  
Charles Barlow Rothschild  
John Calhoun Sterritt, Jr.  
Ann Louise Tomlinson  
Gary Eugene Wickens

*Sociology*

John William Fox  
\*\*Kathryn Freutel McKinney

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*Social Science*

Emerson William Arntz  
Richard Alan Miller  
Theodore Berry Slicer

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# 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

Thomas C. Burmeister  
Michael D. Fimmen

Arthur E. Fletcher  
Donald D. McNeely

Donald P. Profitt

## MILITARY SCIENCE

*Artillery*  
James H. Eckl

*Corps of Engineers*  
Kenneth N. Meek, Jr.  
Thomas L. Ortman  
\*Gary W. Puryear

*Intelligence Corps*  
Daniel R. Hueni  
Dwight W. Nibbelink

*Medical Service Corps*  
Warren G. Stauffer, Jr.

*Ordnance Corps*  
\*Roy E. Fouch

*Signal Corps*  
Thomas E. Franklin

\* Distinguished Graduate