B 448 F 17



COMMENCEMENT 1975 MICHIGAN STATE UNIVERSITY

THE COMMENCEMENT COMMITTEE

HERMAN L. KING, Chairman

JEAN PAGE

GEOFF ARCHAMBEAU Student Representative WILLIAM PIPES

DONALD DUNBAR

BENNETT T. SANDEFUR

HORACE C. KING

KERMIT H. SMITH

JOHN G. LAETZ

GORDON L. THOMAS

MILTON E. MUELDER

PATTY WHELAN
Student Representative

DIPLOMAS WILL BE AVAILABLE FOR PICKUP AS FOLLOWS:

Advanced Graduate degreesbeginning Mar. 31—Room 150 Hannah Administration Building Master degreesbeginning Apr. 7—Room 150 Hannah Administration Building Bachelor degreesbeginning Apr. 14—Room 50 Hannah Administration Building

Diplomas will be released only to the degree recipients upon presentation of identification. Diplomas not picked up by May 5 will be mailed.



COMMENCEMENT 1975 Saturday, March 8

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 BLANCHE MARTIN, Chairman	East Lansing
The Honorable Patricia Carrigan, Vice Chair	Farmington
The Honorable John Bruff	Fraser
THE HONORABLE WARREN M. HUFF	Plymouth
THE HONORABLE RAYMOND KROLIKOWSKI	Birmingham
THE HONORABLE AUBREY RADCLIFFE	East Lansing
THE HONORABLE JACK STACK	Alma
THE HONORABLE DON STEVENS	Bloomfield Hills
CLIFTON R. WHARTON, JR., Ex Officio, President	East Lansing
Jack Breslin, Secretary	East Lansing
Roger Wilkinson, Treasurer	Okemos

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 so that the audience may 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 Human MedicineGreen
JAMES MADISON COLLEGECitron
JUSTIN MORRILL COLLEGEWhite
Lyman Briggs CollegeGolden Yellow
College of Natural ScienceGolden Yellow NursingApricot
College of Osteopathic MedicineGreen
COLLEGE OF SOCIAL SCIENCE
College of Urban DevelopmentCitron
College of Veterinary MedicineDark Gray

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 endeavor.

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

Now in its 121st year, Michigan State University has grown from three buildings and six faculty members to one of the largest universities in the nation. It has more than 3,000 faculty engaged in teaching, research and public service, 409 campus buildings, and more than 5,100 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. The University now has a Graduate School and 17 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, University College, Urban Development, and Veterinary Medicine. Some 165 programs of instruction are available to undergraduates; 76 departments offer graduate studies.

MSU is unique nationally in that the Colleges of Human Medicine, Osteopathic Medicine, and Veterinary Medicine are located on the single campus.

The Honors College, which enables superior undergraduate 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, comprised of an unusually select group of scholars.

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

The "small college within the larger university" concept was introduced at MSU by the establishment of the Justin S. Morrill College, which offers a limited enrollment liberal education program with an international emphasis. The concept was expanded by the establishment and opening of the James Madison College and the Lyman J. Briggs College. James Madison offers a curriculum for the study of public policy problems within the framework of the social sciences and related disciplines. Lyman Briggs makes available a liberal curriculum for students especially interested in science and mathematics.

Today, more than 43,000 students attend the University at East Lansing. About 85 percent are from Michigan; the remainder includes nearly 1,200 foreign students from 89 countries.

MICHIGAN STATE UNIVERSITY (continued)

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 3,000 individual projects are in process. The University's research tools include the Control Data 6500 computer, a cyclotron of the sector-focused type capable of accelerating protons to 50 MeV (60,000 miles per second), and the MSU Observatory which houses a 24-inch reflecting telescope, a computer and related equipment. Modern facilities include the following buildings: chemistry, biochemistry, psychology research, veterinary medicine, plant science research, natural resources, food science, pesticide research, and life sciences.

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 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.

In broadening the scope of educational opportunity, MSU is building on its long experience in continuing education to develop a Lifelong Education Program which will offer University resources to persons who are educationally or economically excluded from the traditional campus programs; to those who seek new skills or wish to update present skills; and to those who wish through education to make their leisure time more productive. The Program also will enable the University to cooperate with local communities in assessing, developing, and expanding their continuing education projects.

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 educational assistance projects on a world-wide basis. 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.

ORDER OF CEREMONIES Graduate Degrees

PROCESSIONAL

MSU Jazz Ensemble I, Tom Arvidson, Conducting

AMERICA Smith

The Jazz Ensemble and Audience

PRAYER

THE REVEREND W. E. MICHAEL
East Lansing Trinity Church, East Lansing

COMMENTS

Dr. Robert Banks
Dean, James Madison College

SPECIAL MUSIC

CONFERRING OF DEGREES

CLIFTON R. WHARTON, JR., M.A., Ph.D. President, Michigan State University

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 Band and Audience)

PRAYER

REVEREND MICHAEL

RECESSIONAL

ORDER OF CEREMONIES Baccalaureate Degrees

PROCESSIONAL

MSU Jazz Ensemble I, Tom Arvidson, Conducting

AMERICA.....Smith

The Jazz Ensemble and Audience

PRAYER

THE REVEREND W. E. MICHAEL

East Lansing Trinity Church, East Lansing

ADDRESS

THE HONORABLE JAMES G. O'HARA, Representative, Michigan United States House of Representatives

SPECIAL MUSIC

CONFERRING OF DEGREES

CLIFTON R. WHARTON, JR., M.A., Ph.D. President, Michigan State University

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 Band and Audience)

PRAYER

REVEREND MICHAEL

RECESSIONAL

HONORARY DEGREES

JAMES FRANKLIN HYDE

During your remarkable career as a research scientist, you have exhibited not only the insight of the skilled scientist, but also the vision of the man dedicated to human welfare. For three decades you have been a leader in fundamental as well as practical research in the field of organosilicon compounds. More than any other person, you are responsible for the establishment of an industry which employs thousands of chemists and chemical engineers and contributes markedly to the efficiency of America's industrial enterprises. During your long career with the Dow Corning Corporation, your painstaking research has resulted in numerous inventions and important extensions of theoretical concepts in your specialized field. Because of your outstanding record, you have been singularly honored by the American Chemical Society and other professional organizations. In recognition of your many valuable contributions to the economic progress and scientific advancement of Michigan and the nation, Michigan State University is pleased to grant you the degree of Doctor of Science.

JAMES G. O'HARA

Throughout your career as a lawyer and U.S. Congressman from Michigan's 12th District, you have earned an enviable reputation for integrity and statesmanship. You have continuously devoted your knowledge and energy to the economic and social betterment of the citizens of this state. As a member of the House Committee on Education and Labor, and especially as chairman of its Subcommittee on Post-secondary Education, you have exerted your leadership in the resolution of complex educational problems. This university, like others throughout the country, has benefited from your determination and concern with such issues as vocational education, student assistance programs and the need for greater public support of higher education. In all of your undertakings you have worked for democratic principles in our institutions and our public policy. Because of your exceptional record in legislative affairs, and your constant dedication to the educational and cultural progress of Michigan and the nation, Michigan State University is pleased to grant you the degree of Doctor of Laws.

PEREZ M. OLINDO

In your relatively brief career since graduating from this university, you have written an important chapter in the history of wildlife management in your native Africa. As Director of the Kenya National Parks, you have devoted your energy and knowledge to the protection of wildlife from excesses of hunting and trading and destruction of natural habitat. Your expansion of national parks and your leadership in conservation have been recognized internationally, and you have frequently served as your nation's delegate to world conferences on resource ecology. Your studies of endangered species were instrumental in promoting the successful Convention on International Trade in Endangered Species of Wild Flora and Fauna concluded in Washington in 1973. In recognition of the distinction you have brought to yourself and this institution, and your valuable contribution to a world approach to conservation, Michigan State University is pleased to grant you the degree of Doctor of Science.

MARTIN DUNAWAY YOUNG

You have achieved a world-wide reputation as a scientist, educator and administrator. Your meticulous research and authoritative publications on tropical medicine, especially the treatment and control of malaria, are of great importance in the unending struggle against disease. As a consultant to India, Liberia and other foreign governments, and as a lecturer at international forums, you have demonstrated your deep concern for human welfare. Your administrative accomplishments with the U.S. Health Service and as Director of the Gorgas Memorial Laboratory in Panama reflect your unusual qualities of leadership. The students who have been privileged to work under your guidance confirm, by the success of their own careers, the enthusiasm and dedication which have marked your life and work. Because of the advancements which you have made in scientific knowledge and your humanity in laboring so diligently and unselfishly for the betterment of your fellow man, Michigan State University is pleased to grant you the degree of Doctor of Science.

DISTINGUISHED ALUMNI AWARDS

CLARE FISCHER

Class of 1951, M.A., 1955. Musician, composer, arranger, and conductor. An innovative musician who has influenced the likes of George Shearing, Cal Tiader, Dizzy Gillespie and others, Fischer ranks among the most creative and exciting forces in contemporary music. In 1957 he became writer, arranger, pianist and conductor for the Hi-Lo's, the Fifties' most sophisticated pop vocal quartet. In the 1960's he launched a recording career that began with Gillespie's famed album, A Portrait of Duke Ellington, By 1964, Saturday Review credited Fischer with paving the way to a new fusion in popular music of jazz, Latin and African rhythms. Actually he went one step further, incorporating classical music into his compositions. Now a free lance musician, he has done the background music for numerous films and TV programs, including the Andy Williams Show. Fischer, who has gone on many musical missions for the U.S. Department of State, is truly an ambassador of good will for his country, for his profession, and for his university.

ADMON GANEM

M.B.A., Class of 1962. Director of Personnel, Banco do Brasil. As one of nine directors of "the world's largest rural bank," with 800 branches and 50,000 employees, Ganem has established numerous programs and policies that have benefited people in the banking business. He developed a training program that has processed 22,000 personnel, created a bureau of health resources, and pioneered the Human Resources Center. During his 28 years with the bank, Ganem has also consulted for a number of firms and taught at several universities. From 1962 to 1964 he headed the marketing department of the University of Bahia, where he graduated with a degree in economics in 1948. Ganem also has a law degree from the Catholic Law School of Bahia. An active social planner as well as corporate executive, Ganem developed, among other projects, an economic development plan for the State of Bahia to renovate its slums. He was also the executive vice president of the Radio and TV Bandeirantes of Sao Paulo, from 1968 to 1969.

THE CANDIDATES FOR DEGREES

1975 CLASS ROSTER

This includes the names of candidates for degrees for March, 1975.

Candidates are listed by Graduate School and by colleges. The colleges are arranged in alphabetical order.

C. W. MINKEL, ACTING DEAN

CANDIDATES FOR THE DOCTORAL DEGREE

Samuel Ekpe Akpabot, Ph.D.

Diploma, Trinity College of Music; M.A., University of Chicago.

Music. Major Professor: James Niblock, Professor.

Dissertation: Functional Music of the Ibibio People of Nigeria.

Dissertation: Functional Music of the Ibibio People of Nigeria.

LOUKAS IOANNIS ANANIKAS, Ph.D.

B.S., University of Thessaloniki; M.A., Michigan State University.

Agricultural Economics. Major Professor: Warren H. Vincent, Professor.

Dissertation: Potential Livestock Production Adjustments on Family Farms in Central Macedonia, Greece.

Marcia Hilden Anderson, Ph.D.

B.A., University of Washington; M.M., Michigan State University.

Music. Major Professor: Russell E. Friedewald, Professor.

Dissertation: A Survey of Twentieth-Century Finnish Clarinet Music

and an Analysis of Selected Works.

Susan McClellan Asch, Ph.D.

B.A., Oberlin College; M.A., Michigan State University.
Sociology. Major Professor: John Useem, Professor.
Dissertation: Transnational Networks: A Multimethod Study of the

American Associates of Foreign Students.

Joseph William Bendersky, Ph.D.

B.A., City College of New York; M.A., Michigan State University.

History. Major Professor: Paul R. Duggan, Assistant Professor.

Dissertation: The Politics of an Intellectual: The Political Activity and Ideas of Carl Schmitt, 1910-1945.

ALICE MADELINE WOLFE BERNSTEIN, Ph.D. B.A., Roosevelt University; M.A., Michigan State University.
Psychology. Major Professor: Frances Elaine Donelson, Assistant Professor.
Dissertation: Fear of Failure and Role Congruence: An Investigation

into the Nature of Achievement Motivation in Women.

Joseph Francis Binkowski, Jr., Ph.D.

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

Mechanics. Major Professor: Robert William Little, Professor.

Dissertation: Analysis of a Dynamic Saint-Venant Region in a Semi-Infinite Circular Cylinder.

David Matheus Blomquist, Ph.D.

B.S., M.A., Northern Michigan University.
Education. Major Professor: Alexander J. Kloster, Associate Professor.
Dissertation: A Description of the Role, Territoriality and Defense of the Intermediate School District Superintendent in Michigan.

Barry Duane Bratton, Ph.D.

B.A., Juniata College; M.A., University of Pittsburgh.

Education. Major Professor: Erling S. Jorgensen, Professor.

Dissertation: A Study of the Effect of Teaching and Expectancy to Teach Upon the Cognitive Learning of the Teacher.

CANDIDATES FOR THE DOCTORAL DEGREE (Continued)

CHARLES DAWSON BRUCE, Ph.D. B.A., M.A., Michigan State University.

Philosophy. Major Professor: Ronald Suter, Professor. Dissertation: An Investigation of Self-Deception.

HERBERT WILLIAM BUTLER, Ph.D. B.S.

B.S., Kansas State College; M.A., Northwestern University. Anthropology. Major Professor: William Derman, Associate Professor. Dissertation: The Structuring Process in a Mossi Village.

ARVON DEANE BYLE, Ph.D.

B.S., M.S., Western Michigan University. Education. Major Professor: George W. Ferns, Professor. Dissertation: An Occupational Analysis Model to Determine Metric Measurement Competencies for Pre-Service and In-Service Education as Applied to the Graphic Arts Industry.

REGINALD KENNETH CARTER, Ph.D.

B.A., University of Windsor; M.A., Bowling Green State University. Sociology. Major Professor: Philip M. Marcus, Professor. Dissertation: The Effect of Domain Acceptance on Transfer of Resources and Goal Attainment: A Study of Inter-Organizational Relationships.

TRACY SUSAN CARTER, Ph.D.

B.S., Iowa State University; M.S., Michigan State University. Zoology. Major Professor: James C. Braddock, Professor. Dissertation: The Effects of Prior Depth Experience, Feeding, Age and Light on Depth Preference in *Haplochromis Burtoni*.

LEE ALLEN CHRISTENSEN, Ph.D.

B.S., Iowa State University; M.S., University of Nebraska Agricultural Economics. Major Professor: Larry J. Connor, Professor. Dissertation: An Economic and Institutional Analysis of Land Treatment as a Wastewater Management Alternative for Southeastern Michigan.

RONALD KEITH CLAYTON, Ph.D.

B.E., Chicago Teachers College; M.A., University of Chicago. Education. Major Professor: Russell J. Kleis, Professor. Dissertation: Arthur Ernest Morgan and the Development of an Adult Education Enterprise Within the Tennessee Valley Authority 1933-1938.

THERESE COYNE, Ph.D.

B.A., Carlow College; M.A., Duquesne University. English. Major Professor: Arnold Williams, Professor. Dissertation: A Study of the Vison Tradition in Medieval Literature with Specific Application to *The Pearl*.

JOSEPHINE MARY CZERAPOWICZ, Ph.D.

B.A., Notre Dame College; M.A., John Carroll University. History. Major Professor: Alan W. Fisher, Associate Professor. Dissertation: Kingdom of Poland During the Paskevich Viceroyalty, 1832-1856: Erosion of Autonomy.

Josse G. De Baerdemaeker, Ph.D.

B.S., Catholic University; M.S., Michigan State University. Agricultural Engineering. Major Professor: Larry J. Segerlind, Associate Professor. Dissertation: Experimental and Numerical Techniques Related to the Stress Analysis of Apples Under Static Loads.

LESTER DE BOER, Ph.D.

A.B., Wheaton College; M.S., Butler University.
Social Science. Major Professor: Donald W. Olmsted, Professor.
Dissertation: Socialization of Student Values in a Church-Related College.

CANDIDATES FOR THE DOCTORAL DEGREE (Continued)

ALBERT ARCH DEKIN, IR., Ph.D.

A.B., Dartmouth College.

Anthropology. Major Professor: Moreau S. Maxwell, Professor. Dissertation: Models of Pre-Dorset Culture: Towards an Explicit

Methodology.

GUROL DINC. Ph.D.

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

Agricultural Engineering. Major Professor: George E. Merva, Pro-

fessor.

Dissertation: Stochastic Representation of Surface Roughness and Its Relation to Manning "n" Friction Coefficient.

CAROLE JEANNE DOBSON, Ph.D.

B.A., Midwestern University.

Arts and Letters Interdisciplinary. Major Professor: Richard E. Sulli-

van, Professor.

Dissertation: The Thirteenth-Century Papacy as Viewed by Those

Outside the Roman Curia.

WILLIAM ROBERT ECKBERG, Ph.D.

B.S., Michigan State University.

Zoology. Major Professor: Hironobu Ozaki, Professor.

Dissertation: Altered Pattern of Gene Activity in Abnormal Sea

Urchin Morphogenesis.

MILTON PHILIP EISNER, Ph.D.

B.A., New York University.

Mathematics. Major Professor: John W. Wagner, Professor.

Dissertation: Mathematical Understandings and Misconceptions of

Prospective Elementary School Teachers.

EPHRAIM J. A. EKPO, Ph.D.

B.S., University of Ibadan; M.S., Michigan State University.

Botany and Plant Pathology. Major Professor: Alfred W. Saettler, As-

sistant Professor.

Dissertation: Pathogenic Variation in Common (Xanthomonas Phaseoli)

and Fuscous (Xanthomonas Phaseoli Var. Fuscans) Bacterial Blights

of Bean (Phaseolus Vurgaris L.).

DEAN ARNOLD ERSFELD, Ph.D.

B.A., Augsburg College.

Chemistry. Major Professor: Peter J. Wagner, Professor.

Dissertation: The Origin of Photoreactivity in Certain Ketones Possessing Lowest π , π^* Triplet States.

MOHAMMED FAHMY MOHAMMED ZAKY MOHAMMED FAHMY, Ph.D. B.S., Ain-Shams University; M.S., Rensselaer Polytechnic Institute. Metallurgy. Major Professor: K. N. Subramanian, Associate Professor.

Dissertation: Transmission Electron Microscopic Studies on the Role of Various Nucleating Agents on the Microstructure of a Binary

Barium Borate Glass System.

LEVERN WILLIAM FAIDLEY, Ph.D.

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

Agricultural Engineering. Major Professor: Merle L. Esmay, Professor. Dissertation: Computer Simulation of the Cooperative Approach to

Tractor Mechanization in a Developing Country.

JOHN H. FITCH, Ph.D.

B.A., University of Kansas; M.S., Michigan State University.

Zoology. Major Professor: Roland H. Baker, Professor.

Dissertation: Behavioral Habitat Selection as a Factor in the Distribution of Woodland Deermice, Peromyscus Maniculatus Gracilis, in

the Kingston Plains of Northern Michigan.

CANDIDATES FOR THE DOCTORAL DEGREE (Continued)

B.S., Central Michigan University; M.S., Michigan State University. Horticulture. Major Professor: Martin J. Bukovac, Professor. JAMES ALBERT FLORE, Ph.D.

Dissertation: Pesticide Effects on the Plant Cuticle.

JOHN ANTHONY FOSSUM, Ph.D. B.A., St. Olaf College; M.A., University of Minnesota.

Social Science. Major Professor: Michael Moore, Associate Professor. Dissertation: An Examination of the Effects of Pay Expectancy and

Individual Differences on the Perception of Inequity.

B.A., M.A., Michigan State University. CHESTER A. FRANCKE, Ph.D.

Education. Major Professor: Lawrence Borosage, Professor.

Dissertation: Perceived Performance Differences Between Women

and Men Supervisors and Implications for Training.

MARIE CATHERINE GELATO, Ph.D. B.A., Hunter College; M.S., Michigan State University.

Physiology. Major Professor: Joseph Meites, Professor. Dissertation: Influence of Different Physiological Parameters on Prolactin Binding Activity in Prolactin Target Tissues.

GREGORY DAVID GILLISPIE, Ph.D. B.S., Michigan State University.

Chemistry. Major Professor: Áhsan U. Kahn, Assistant Professor. Dissertation: The Electronic Structure of Nitrogen Dioxide. Part I.

Multi-Configuration Self-consistent-field Calculation of the Low-Lying

Electronic States: Part II. Spectral Interpretation.

AARON ABRAHAM GOLDSTEIN, Ph.D. B.A., Wayne State University; M.A., Michigan State University.

Social Science. Major Professor: Max Bruck, Professor. Dissertation: The Client-Social Worker Relationship: Transference

Behavior and Interpretation.

HOWARD DANIEL GREENWOOD, Ph.D. B.S., University of Michigan; M.S., Michigan State University.

Education. Major Professor: William E. Sweetland, Professor. Dissertation: The Effect of Perceived Relevance on Achievement in

a Self-Paced Physics Course.

ALLEN CARL GROMMET, Ph.D. B.S., University of Illinois; M.A., Michigan State University.

Agricultural Economics. Major Professor: James T. Bonnen, Professor.

Dissertation: The Influence and Behavior of Interest Group Leaders in the Public Decision Process: A Model with Four Rural Applications.

MARK ELMER HEADINGS, Ph.D.

B.A., Goshen College; M.S., Michigan State University.

Entomology. Major Professor: James W. Butcher, Professor.

Dissertation: Forest Ants and Their Association with Plant Extra-

floral Nectaries and Melampyrum lineare Desr. Seed.

CHARLES ROBERT HITCH, Ph.D.

B.S., Ferris State College; M.A., Michigan State University.

Education. Major Professor: Peter G. Haines, Professor. Dissertation: The Effects of an Experimental Career Oriented Group

Guidance Program on Selected Ninth Grade Students.

CANDIDATES FOR THE DOCTORAL DEGREE (Continued)

MARTORIE DIANE HODSON, Ph.D. B.S., M.Ed., University of Missouri,

Education. Major Professor: Charles E. Henley, Professor.

Dissertation: Competencies for Special Education Directors as Seen by Intermediate and Local Directors of Special Education in Michigan.

B.S., Tuskegee Institute; M.A., Michigan State University. Education. Major Professor: J. Geoffrey Moore, Professor. Dissertation: A History of Selected Critical Factors and Barriers in the Development of Black Higher Education. FOREST H. C. HOLMAN, II, Ph.D.

B.S., M.S., Seoul National University. CHONG WOON HONG, Ph.D.

Soil Science. Major Professor: Bernard D. Knezek, Professor.

Dissertation: Physicochemical Relationships of Selected Iron and Sulfur Systems in Submerged Soils and the Possible Occurence of H2S

Toxicity.

B.S., M.S., University of Nebraska. BRUCE BYSONG JOHNSON, Ph.D.

Agricultural Economics. Major Professor: Larry J. Connor, Professor. Dissertation: Farmland Leasing as a Means of Resource Control in

U.S. Land-Based Agriculture.

B.A., M.A., Seoul National University; M.A., Michigan State University. SANG CHUL KANG, Ph.D.

Education. Major Professor: Wilbur B. Brookover, Professor.

Dissertation: An Analysis of Social Climate Variables in Schools With Varying Black and White Student Composition When Socioeconomic

Status and Achievement Levels are Controlled.

WILLIAM JOSEPH KIEFFER, Ph.D. B.A., University of Colorado; M.A., Michigan State University.

Education. Major Professor: Herbert C. Rudman, Professor.

Dissertation: Educational Development and National Policy in the People's Republic of China: The Role of the School in Building a

New State.

JAY SUNG KIM, Ph.D. B.A., University of Foreign Studies; M.S., University of Rhode Island.

Business Administration. (Management). Major Professor: Rollin H.

Simonds, Professor.

Dissertation: Effect of Feedback on Performance and Job Satisfaction

in an Organizational Setting.

RODNEY CARLOS KIRK, Ph.D. A.B., University of California; M.A., Michigan State University.

Anthropology. Major Professor: Joseph Spielberg, Associate Professor. Dissertation: San Antonio, Yucatan: From Henequen Hacienda to

Plantation Ejido.

KATHRYN ELEANOR KRONQUIST, Ph.D. B.A., Immaculate Heart College.

Biochemistry. Major Professor: Robert A. Ronzio, Associate Professor.

Dissertation: Sulfated Glycopolypeptides of the Exocrine Rat Pan-

creas.

JAMES STEPHEN LADLIE, Ph.D. B.S., University of Minnesota; M.S., Michigan State University.

Crop Science. Major Professor: William F. Meggitt, Professor. Dissertation: Effect of Soil pH on Metribuzin [4-amino-6-tert-butyl-3-

(methylthio)-1,2,4-triazin-5(4H) one] Activity and Fate in Soil.

CANDIDATES FOR THE DOCTORAL DEGREE (Continued)

Louis Legrand Lanier, Ph.D.

B.S., McGill University; M.A., University of Alberta. Resource Development. Major Professor: Michael Chubb, Associate

Professor.

Dissertation: An Exploratory Study of Use Patterns and User Charac-

teristics of Michigan Snowmobile Owners.

PAUL B. LAVRIK, Ph.D.

B.S., Sacto St. College.

Chemistry. Major Professor: Harold Hart, Professor.

Dissertation: Part I: Synthesis and Acid-Catalyzed Rearrangement of Epoxyenones. Part II: Regiospecificity in Ďi-π-Methane Photo-

isomerizations.

CHENG-YI LEE, Ph.D.

B.S., Taipei Medical College.

Pharmacology. Major Professor: Tai Akera, Professor.

Dissertation: The Specific Binding of Opiate Agonist and Antagonist to Brain Tissue In Vitro: Its Relationship to Opiate Receptors and the

Influence of Chronic Morphine Treatment.

IRIS C. LEE, Ph.D.

B.S., National Taiwan University; M.S., West Virginia University. Food Science. Major Professor: Laurence G. Harmon, Professor.

Dissertation: Production and Thermal Inactivation of Staphylococcal

Enterotoxins in Meat Systems.

JEUNG HAN LEE, Ph.D.

B.S., M.S., Seoul National University; M.S., Iowa State University. Agricultural Economics. Major Professor: Glenn L. Johnson, Professor.

Dissertation: Projections of Product Supply and Factor Demand Under Structural Change for Korean Agriculture: A Systems Simulation Ap-

proach.

YUNG CHANG LEE, Ph.D.

B.S., National Taiwan University; M.A., M.S., Michigan State Uni-

Agricultural Economics. Major Professor: Glenn L. Johnson, Professor. Dissertation: Adjustment in the Utilization of Agricultural Land in

South Central Michigan with Special Emphasis on Cash-Grain Farms.

GREGG LEWIS LINT, Ph.D.

B.A., M.A., Central Michigan University.

History. Major Professor: Paul A. Varg, Professor.

Dissertation: Early American Conceptions of International Law and

Their Influence on Foreign Policy: 1776-1803.

KENNETH WAYNE LINVILLE, Ph.D.

B.S., Central Missouri State College; M.S., University of Missouri. Soil Science. Major Professor: Boyd G. Ellis, Professor.

Dissertation: Changes in the Organo-Mineral Complex of Soils Due

to Manure Applications.

GARY PATRICK LIPE, Ph.D.

B.A., St. Benedict's College; M.A., Ed.S., Michigan State University. Education. Major Professor: Raymond N. Hatch, Professor. Dissertation: Case Analyses of the Pupil Personnel Programs in Three

Selected School Districts.

GREGORY THOMAS LOFTUS, Ph.D.

A.B., Wheeling College; M.A., Michigan State University.

Psychology. Major Professor: Henry Clay Smith, Professor.

Dissertation: A Medical Attribution of Responsibility Scale: Effects of Outcome, Actor, Judgment Context, Locus of Control and Other

Personality Measures.

CANDIDATES FOR THE DOCTORAL DEGREE (Continued)

BRIAN GEORGE LONG, Ph.D. B.S., M.B.A., Central Michigan University.

Business Administration (Marketing). Major Professor: Leo G. Erick-

son, Professor.

Dissertation: An Analytical Technique for the Optimization of Price/

Service Mix of American Brokerage Firms.

JAMES DOUGLAS MAAS, Ph.D. B.S., M.A., Michigan State University.

Education. Major Professor: Ted W. Ward, Professor.

Dissertation: Two Extensions of Levene's Test of Homogeneity of Variances: A Monte Carlo Investigation of Actual-Nominal Error Rate

and Relative Power.

MARY ANN K. MARKWELL, Ph.D. B.S., Notre Dame College.

Biochemistry. Major Professor: L. L. Bieber, Professor.

Dissertation: The Discovery and Partial Characterization of Carnitine Acetyltransferase Activity From Rat Liver Peroxisomes and Micro-

somes.

JOHN McKEON, Ph.D. B.S., M.S., University College, Ireland.

Agricultural Economics. Major Professor: Vernon L. Sorenson, Pro-

fessor.

Dissertation: Farm Commodity Programs: Their Effect on Plantings

of Feed Grains and Soybeans.

CHAO MENG, Ph.D.

B.S., Taiwan Provincial College; M.S., University of New Brunswick. Forestry. Major Professor: Wayne L. Myers, Associate Professor. Dissertation: Analytical Methods for Predicting Non-Productive Times of Logging Machines and a Model for Estimating Machine

Productivity.

B.S., Defiance College; M.E., Bowling Green State University. JOAN McCartney Mignerey, Ph.D.

Education. Major Professor: Lois Bader, Associate Professor.

Dissertation: The Relationship of Rates of Language Processing Using Aural and Visual Modalities: Listening Comprehension of Time-Compressed Speech and Reading Comprehension Using Speeded

Reading.

DONNA LORRAINE MONTGOMERY, Ph.D. B.S., Drake University.

Microbiology and Public Health. Major Professor: Loren R. Snyder,

Assistant Professor.

Dissertation: Interactions Between RNA Polymerase and DNA Dur-

ing T4 Bacteriophage Development.

WILLIAM DONALD LORNE MUSICK, Ph.D. B.S., Michigan State University.

Biochemistry. Major Professor: William W. Wells, Professor.

Dissertation: Studies on Phosphorylative Pathways of Galactose Me-

tabolism in Rat Heart and Brain.

RONALD BERL MYERS, Ph.D. B.S., M.S., Michigan State University.

Botany and Plant Pathology. Major Professor: Edward C. Cantino.

Professor.

Dissertation: Characteristization of Sub-Cellular Organelles in the

Zoospore of Blastocladiella emersonii.

PORNSAWAN NIMNOI, Ph.D. B.S., Chulalongkorn University; M.S., Michigan State University.

Botany and Plant Pathology. Major Professor: William J. Hooker, Pro-

fessor.

Dissertation: Effect of Potato Spindle Tuber Virus on Pollen Function.

CANDIDATES FOR THE DOCTORAL DEGREE (Continued)

DONALD EUGENE ORR, JR., Ph.D. B.S., Purdue University; M.S., Pennsylvania State University.

Animal Husbandry and Institute of Nutrition. Major Professor: E. R.

Miller, Professor.

Dissertation: A Nutritional Evaluation of Recycled Swine Waste.

MOTILAL B. PAMNANI, Ph.D. M.B.B.S., M.Sc., Grant Medical School.

Physiology. Major Professor: Henry W. Overbeck, Professor. Dissertation: Vasoactivity of Renal Venous Blood After Unilateral Renal Artery Constriction.

BRIAN EUGENE PAPE, Ph.D.

B.A., Washington University; M.S., Michigan State University. Entomology. Major Professor: N. J. Zabic, Associate Professor. Dissertation: Photochemistry of Bioactive Compounds. I. Solution-

Phase Photochemistry of Asymmetric Triazim-5-(4H)-ONES. II. Solu-

tion-Phase Photochemistry of Symmetrical Triazines.

B.S., Purdue University; M.S., Cornell University. SAMUEL DALE PARSONS, Ph.D.

Agricultural Engineering. Major Professor: J. Ben Holtman, Associate

Professor.

Dissertation: An Event-Oriented Corn Production Simulation Model.

JAMES ANGELO PERCICH, Ph.D. B.S., M.S., Michigan State University.

Botany and Plant Pathology. Major Professor: J. L. Lockwood, Pro-

Dissertation: Interaction of Atrazine With Soil Microorganisms: Population Changes, Disease Enhancement, and Herbicide Accumulation.

GARY LEE PETERSON, Ph.D.

B.S., Michigan State University.

Mathematics. Major Professor: Joseph E. Adney, Professor. Dissertation: On the Automorphism Group of an Integral Group Ring.

ALIDA DIANE QUICK, Ph.D.

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

Psychology. Major Professor: William D. Crano, Associate Professor. Dissertation: The Effects of Sex and Anxiety in the Invasion of Per-

sonal Space.

KENNETH E. REID, Ph.D.

B.A., Michigan State University; M.S.W., Wayne State University.

Social Science. Major Professor: Lucille K. Barber, Professor.

Dissertation: The Historical Development of Social Group Work in

the United States Between 1850 and 1955.

ROGER ALLAN ROEMMICH, Ph.D.

B.S., M.A., University of Nebraska.

Business Administration (Accounting). Major Professor: Harold M.

Sollenberger, Associate Professor.

Dissertation: Statistical Analysis of Alternative Cost Accounting

Methods.

KAREL LOUISE ROGERS, Ph.D.

B.S., Michigan State University.

Zoology. Major Professor: Alan J. Holman, Professor.

Dissertation: Herpetofauna of the Beck Ranch Local Fauna (Upper

Pliocene: Blancan) of Texas.

HELEN ELIZABETH ROMSEK, Ph.D.

B.S., Western Michigan University; M.A., Michigan State University.

Education. Major Professor: Charles E. Henley, Professor.

Dissertation: A Study of Participant Evaluation of a Resource Teacher

Program.

GEORGE FRANCIS SARGENT, Ph.D.

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

Education. Major Professor: Allan J. Abedor, Associate Professor. Dissertation: A Comparison of Audio and Written Prompting in the

Training of Perceptual Motor Skills.

CANDIDATES FOR THE DOCTORAL DEGREE (Continued)

JAMES GLENN SEELYE, Ph.D. B.S., Lake Superior State College; M.S., Michigan State University.

Fisheries and Wildlife. Major Professor: Niles R. Kevern, Professor. Dissertation: Predictive Capabilities of the Specific Activity Hy-

pothesis For Cs and Zn in Freshwater Systems.

B.S., Xavier University; M.A., Michigan State University. WILLIAM DAVID SHAW, Ph.D.

Education. Major Professor: Dale V. Alam, Associate Professor. Dissertation: An Exploratory Study of Diverse Educational Philosophies, Psychologies, Methodologies and Communication Networks as a Means to Establish a Curriculum Theory in Support of Diverse Ed-

ucational Alternative Learning Environments Within Public Schools.

B.S., Calvin College; M.S., Michigan State University. BRUCE STAAL, Ph.D. Mathematics. Major Professor: Wilbur E. Deskins, Professor. Dissertation: A Study of the Stabilizing Automorphisms of a Finite

Group.

LESLIE EWING STEEN, JR., Ph.D.

B.A., Tulane University; M.A., Michigan State University. Education. Major Professor: Castelle G. Gentry, Associate Professor. Dissertation: Factors Facilitating and Factors Inhibiting the Effective Implementation of Competency-Based Certification of Educational Media Specialists by the State of Michigan.

B.A., Hartwick College. THOMAS C. STRATTON, Ph.D.

Chemistry. Major Professor: Peter J. Wagner, Professor.

Dissertation: Conformational Effects on the Photochemistry of Some

2-Phenylcyclohexanones.

PARIZAD TAHBAZZADEH, Ph.D. B.A., University of Tabriz; M.A., University of Teheran.

Sociology. Major Professor: Frederick B. Waisanen, Professor.

Dissertation: Stratification and Adoption of Agricultural Innovations

Among Costa Rican Farmers.

B.S., University of Maine; M.S., Eastern Michigan University. JAMES MURRAY TERRIS, Ph.D.

Physiology. Major Professor: Burnell H. Selleck, Associate Professor. Dissertation: Investigation of Antinatriferic Activity in Hemodialysis

Fluid, Blood, and Plasma Ultrafiltrate.

B.B.A., University of Michigan; M.S., Michigan State University. RONALD LURIE THOMPSON, Ph.D.

Agricultural Economics. Major Professor: Ralph E. Hepp, Associate

Professor.

Dissertation: Description and Analysis of Limited Resource Farmers

in Michigan.

ROBIN RICHARD VALLACHER, Ph.D. A.B., San Diego State University; M.A., Michigan State University.

Psychology. Major Professor: Lawrence A. Messe', Associate Professor. Dissertation: Dimensions of the Self and Situational Self-consciousness

in the Perception of Others.

ANDRE VAN NIEKERK, Ph.D. B.A., Pacific Union College; M.A., Andrews University.

Education. Major Professor: Howard Hickey, Associate Professor. Dissertation: An Analysis of the Perceptions Held by Faculty and

Staff, Foreign Alumni, and Foreign Students of the Services Available to Foreign Students at Andrews University.

B.S., St. Lawrence University. EDWARD WALTER VITZ, Ph.D.

Chemistry. Major Professor: Carl Brubaker, Professor. Dissertation: Photochemical Reactions of Bis (η^5 -cyclopentadienyl)-

Dichloride.

CANDIDATES FOR THE DOCTORAL DEGREE (Continued)

VAUGHN EDWIN WAGNER, JR., Ph.D.

B.S., Grove City College; M.S., Pennsylvania State University. Entomology. Major Professor: Harold D. Newson, Associate Professor. Dissertation: Mosquito Biting Activity in Michigan State Parks and Development of a Systems Science Model for Study of Woodland Aedes.

RICHARD LAURENCE WALKER, Ph.D.

B.S., Alma College; M.S., Michigan State University. Physiology. Major Professor: Paul O. Fromm, Professor. Dissertation: Uptake, Distribution, and Incorporation of ⁵⁹Fe in Tissue and Blood of Rainbow Trout (Salmo gairdneri).

CHWAN CHAU WANG, Ph.D.

B.S., National Chunghsing University; M.S., Michigan State University. Soil Science. Major Professor: Lynn S. Robertson, Professor. Dissertation: Phosphorus Test Evaluations of Sugarcane Soils in Taiwan.

DARSAN WANG, Ph.D.

B.Ed., Taiwan Normal University; M.S., Michigan State University. Resource Development. Major Professor: Eugene F. Dice, Professor. Dissertation: Measurement of Economic Characteristics of Michigan Private Campground Industry.

TIMOTHY MONROE WELLS, Ph.D.

B.S., Marion College; M.A., Michigan State University. Education. Major Professor: Patricia Cianciolo, Professor. Dissertation: An Investigation Designed To Test The Feasibility of Using Visual Literacy Techniques and the Language Experience Approach to Reading To Develop The Reading Abilities of Remedial Fourth Grade Readers.

BENJAMIN CALVIN WILSON, Ph.D.

B.A., St. Benedict's College; M.A., Michigan State University. History. Major Professor: James R. Hooker, Professor. Dissertation: Michigan's Ante-Bellum Black Haven — Cass County 1835-1870.

JAMES ROLAND WOLFE, Ph.D.

B.S., M.B.A., Indiana University. Education. Major Professor: Max R. Raines, Professor. Dissertation: The Educational Needs of Mature Women in a Western Community.

PAUL WOODWORTH, Ph.D.

B.A., Western Michigan University; M.A., Michigan State University. Education. Major Professor: James L. Page, Professor. Dissertation: An Investigation of the Dynamics of the Learning Cell.

DAVID ALLEN WRIGHT, Ph.D.

B.A., Grinnell College. Chemistry. Major Professor: Max T. Rogers, Professor. Dissertation: Molecular Motion in Condensed Phases. Nuclear Magnetic Relaxation and Raman Lineshape Studies of Several Small Molecules.

BOOKER TALMADGE YANCEY, JR., Ph.D.

B.A., M.A., Wayne State University. Education. Major Professor: Lou Romano, Professor. Dissertation: A Study of the Role Perceptions of Paraprofessionals as Perceived by Principals, Teachers, and Paraprofessionals in Three Michigan Elementary Schools.

CANDIDATES FOR THE EDUCATIONAL SPECIALIST DEGREE

DALE RICHARD DITTMER, Ed.S.	B.S., M.A., Western Michigan University. Education. Major Professor: Stanley E. Hecker, Professor.
CHARLES MICHAEL DONAHUE, Ed.S.	B.A., Michigan State University; M.A., Eastern Michigan University. Education. Major Professor: Peggy L. Miller, Associate Professor.
Alan James Frost, Ed.S.	B.A., M.A., Michigan State University. Education. Major Professor: James W. Costar, Professor.
JOHN EUGENE HAREMSKI, Ed.S.	B.S., University of Detroit; M.A., Michigan State University. Education. Major Professor: Russell J. Kleis, Professor.
JUDITH ANNE HELMKER, Ed.S.	B.S., Central Michigan University; M.A., Michigan State University. Education: Major Professor: Roy L. Wesselman, Associate Professor.
MARY LONDON JACKSON, Ed.S.	B.A., Carson Newman College; M.R.E., Corner School of Missions and Social Work. Education. Major Professor: Laurine E. Fitzgerald, Professor.
JEAN MARIE MARLOWE, Ed.S.	B.A., M.A., Michigan State University. Education. Major Professor: Glen O. Cooper, Professor.
BRUCE EVALD OSTERBERG, Ed.S.	B.A., Seattle Pacific College; M.A., Northwestern University. Education. Major Professor: Richard L. Featherstone, Professor.
WILLIAM W. WISEMAN, Ed.S.	B.S.Ed., M.S., Northeast Missouri State College. Education. Major Professor: Harvey Clarizo, Professor.

COLLEGE OF AGRICULTURE AND NATURAL RESOURCES

LAWRENCE L. BOGER, DEAN

DEGREE OF MASTER OF SCIENCE

DEGREE OF

BACHELOR

OF SCIENCE

Agricultural Economics Douglas Gene Lewis

Agricultural Mechanization Frederick William Hall

Biochemistry

Linda Christine Chanev Kenneth James Dean Grant Tsuyoshi Shimamoto

Crop Science Richard B. Anda

Dairy Science David Lee Bolenbaugh

Fisheries and Wildlife

Philip Wayne DeVore Craig Steven Killian Stephanie Janene Kittleson Richard Lee Mikula Food Science

Panagiotis Athanasopoulos John Spiros Bakastamos Yen-Ping Chin Shahram Dokhani Mary Catherine Ganzfried Stylianos Lazaridis Eileen Frances McMahon Kirk F. Otto Nickolas John Palamidis Candace Lynne Rajchel Paraskevas Stavrinos Sterling Samuel Thompson Blayne Robert Wilson

Forestry

Gregory John Bixby Kyle Mason Kittleson David P. Van Bossuyt

Horticulture

Norberto Da Silva Gail Roy Ehret Robert Patrick Rice, Jr. Gary Lee Wade

Packaging

Yugo Suzuki

Park and Recreation

Resources

John Douglas Black Diane Newman Lynda K. Robinson Robert William Schott

Resource Development

Philip Alan Babcock James Budd Graveline Richard Lawrence Jameson Rex Lynn LaMore Michael T. Mang Robert Lee Roller Christopher A. Shafer Ira Lewis Withler

Soil Science

Wagih A. Al Mustafa Robert Kingsley Hubbard Douglas Lawrence Karlen Robert Lee McLeese Donald Joseph Murray Elizabeth Shields

Animal Husbandry

John Bryan Baggott *Roderick Daniel Ellis Delores Eileen Elston Richard Michael Goepp Deborah Ann Gorter John Donelson Lyon *Theodore John Macek Charles Henry Nichols *Gail Lynn Peterson

**W. Dan Quinlan
**James Raquet Remensnyder
Vaughn Irving Rickert Donald James Rowland Danny Carl Sandmann Lawrence Vaughn Stein

* With Honor ** With High Honor

Robin Marie Studeny *Lynn Elizabeth Sweeney

Building Construction

Bradley Noel Boese Richard James Cousineau David L. Dugan *Randal Clark Hogan Edward Rodney Kalb Gregory Lewis Kreps

Crop Science

Donald Charles Black John Lynn Kirtland Donald Richard Ratcliff Dairy Science

Gary Robert Carmichael Roger Lee Lerg Donald George Martell Hillery Don McFarlin *Roy Merrill Rosen John G. Woodworth

Fisheries and Wildlife

James Richard Casey *Richard Alan Coleman Dennis Michael Forsyth Mark C. Hepler Michael Ernest Kaczan Thomas George Marr Cora Fischbein Rubitschun

COLLEGE OF AGRICULTURE AND NATURAL RESOURCES

Food Science

*Karrick Michael McKinney Donna Ann Rebman Nirmal K. Sinha Christopher Joseph Smith Melissa Gibson Strong

Food Systems Economics

and Management

Michael Ray Crumbaugh Susan Elaine Karony Robert Jay Schenck Dennis Michael Suswick

Forestry

DEGREE OF

BACHELOR

OF SCIENCE

Anne Carol Balone
Ronald Arthur Dorn

**Donald Bruce Farrand

**Kenneth Herman Freye

*Calvin Ray Garbrecht
Dale Arnold Getz
Michael J. Griffin

*Ronald Artis Harris

*Thomas John Jeffries

*Thomas John Jeffries
*Glenn Walter Lahti
*James Arthur Nickelson
John Alger Nugent
James Allen Sabo
*Frederick T. Schulte

**Frederick T. Schulte Thomas Edward Schwitzer *Michael Francis Sohasky

**Gail Peterson Waller

Horticulture

James B. Chevalier Robert Brian Flewwelling

**Laura Gilman
James Gwin Joyce
*Marsha A. June
*Robert Carl Karp
David Karl McKillen
H**Gloria Lynn Pearson

Jack Harry Schnabel H**John Robert Schulte Philip Gerard Schwallier

*Sue Anne Shalhoub
*Richard Graham Steeh
James Ora Sutton
Darryl Trembath
*Lock Edward Volker

*Jack Edward Volker Roxanne Wallace

Natural Resources and Environmental Education

Karen Rae Byron

*Kim Metheny
Judith Hills Murrell

*Jane Elizabeth Pettengill

*Marta Dittmer Radke

Packaging

Daniel Louis Burnham
*Bert C. Crandell
Tod Eugene Mapes
Roddy L. McAlvey
Glen Allan McDowell
Sally Ruth Miller
Thomas William Morris
Christopher Henry Pope
James David Smith

**Constance Jo Stewart Kenneth Edward Surmacz

Park and Recreation

Resources

*Sharon Ann Dick Steven G. Eason Richard B. Ebert Robert Lawrence Eggleston Michael S. Gaubatz Thomas Harold Laird, Jr. Bruce Alan Lockhart

*John Ignactious McCleary Steven Allyn Muller Alan B. O'Leary *Robert Arno Rose, Jr.

Samuel Michael Skidmore *Lauren Arthur Vaughn Elizabeth Goodell Watkins

Physical Systems in

Agriculture and

Natural Resources

Rumbani W. C. M. McHawe

Public Affairs Management

Pandora Marie Brown Kurt Amos Dawson *Craig Eugene Weaver

Resource Development

*Jeffrey James Brenske Gary O. Burt

*Thomas Henry Christensen Craig Richard Hansen

*Karen Sue Hawkins
*Janet Phyllis Hilton
Bradford Lynn Johnson
*Anne Michelle LesStrang
Ellis Charles Mahan
Douglas Mitchell Manning
R. Sherman Robinson
Thomas Gregory Upchurch

DEGREE RECOMMENDED JOINTLY WITH THE COLLEGE OF COMMUNICATION ARTS

Agriculture and Natural Resources Communications

DEGREE RECOMMENDED

Margot Elaine Griffiths

JOINTLY WITH THE COLLEGE OF EDUCATION

Agribusiness and Natural

Resources Education
Harold Ellis Schmidt

Animal Husbandry

Daniel Lee Decker

Horticulture

Lynn Lee Luxon *Claire Ellen Wietor

Natural Resources and Environmental Education

Garland H. Bender James Edward Hanselman

COLLEGE OF ARTS AND LETTERS

RICHARD E. SULLIVAN, DEAN

DEGREE OF

MASTER

OF ARTS

Art Education

Edith Hazzard Wright

Art History

John Patrick Forbes

English

Umaporn Kakanopas Robert Lee Kinnunen Caroline Cecelia Latham Mohammad Abdurrahman

Malaibari

James Bernard Quilligan

English-Community

College Teaching

Caroline Whiting Young

History

Farley Kakpama Coomber John Anthony McClure Mary Reinsma Patton Daniel Thomas Peters

Philosophy

Henry Eugene Cline James Robert Shanks Gary Edward Snodgrass

Spanish

Sandra Kay Ariza Joanne Margaret Mueller

DEGREE OF

MASTER OF

FINE ARTS

Art Practice

Phirasak Pavenayotin

DEGREE OF

MASTER

OF MUSIC

Applied Music

Lawrence Douglas James

Moser

Music Composition

Nancy Elizabeth Hill

American Studies

William Reynolds McBride

DEGREE OF

BACHELOR

OF ARTS

Art History

Lisa Swedenburg Susan Claire Trim

Art Practice

Susanne Kamalieh Badii *Thomas Ralph Henry James Joseph Virga, Jr.

Chinese

*Michael Deforrest Dovle

Classical Studies

Robert James Humphrey

English

Richard Lee Bortel John Robert Brown Roberta Lynne Campbell H**Chris Eugene Danielson

*Rachel Diem

H**Lisa Ann Ellingen *Charles Wright Faulkner **William Alanson Holm

*James Lester Johnson *Mae Yong Lam Margaretta Lee Lunde

**Patti Kay Miller H*Charles Francis Moles *Laurie Ann Ranke

COLLEGE OF ARTS AND LETTERS

English (Continued)

Robert Allan Rich *Rhonda Anne Rochkind Sue Anne Sherman *Leslie Ann Shields Ruth Zischke Smith *Stephen George Straw H**Paul McCaw Walker

German

*Paulette Marie Bochnig Caroline Helen Hauk

History

James Eric Burnett Kenneth Alan Christensen Fredrick James Cusack Deborah Sue Dilsworth Michael Deforrest Doyle David Frederick Rasmussen Gilberto Ernesto Rios Margaret Anne Sealock Dennis Michael Swain

Humanities

**Catherine Jon Kendall **Jeanne Ann Leeman Kathleen Frances Marie Miller

H**Ronda Elizabeth Nelson Jon Paul Soderlund *Gary Wayne Stockman

Humanities-Prelaw

Gerald Edwin Beard Jan Joan Finder

Judith Knudsen
**Alan James Krcmarik *Steven Bates Leiby Robert Thomas Maxwell Stewart Charles Parent Richard Michael Proppe

Music Literature

Iames Albert Marrah Bonnie Jean Swegles

Philosophy

*Stephen Paul Herwaldt Etsuko Shinozaki

Russian

Thomas James MacLaney

Spanish

**Marie Ilene Shively

Theatre

Richard Emery Brown

DEGREE RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

Art Practice

Cleveland Burke Bohler III judy Ann Kalinowski Charles Patrick McAlpine

English

*Alma Lajean Andrews *Susan Lenore Bellgowan **Debra Marie Constantini Anne Marie Derengoski Michele Eileen Heist

**Ann Marie Kraus *Michael Dennis Murphy *Walter Joseph Podufaly Patricia Marie Roberts *Cynthia Sue Strickland Carole Ann Svinicki *Jerrold Arthur Thompson

French

*Linda Susan Melamed *Mary Jane Smith

History

Benji Armstrong Marc Richard Bennetts Gerald Wayne Donley *Lisa Marie Sexton

Spanish

Eric Thorne Hunsucker *Mary Jo Truesdale *Kim Marie White

Theatre

*LaDonna Michelle Beamon Wayne Carl Summers

DEGREE OF

DEGREE OF

BACHELOR

OF ARTS

BACHELOR

OF FINE ARTS

Art Practice

*Margaret Ramona Beall H**Patricia Ann Gerling H**Sara Alison Hoyt

**Kathleen Wicke Kimble

*Edwina Ann Kurkowski

H**Michelle Qualtiere *Lesley Ann Robinson DEGREE RECOMMENDED JOIN'TLY WITH THE COLLEGE OF EDUCATION

Art Practice

**Gail Susan Dhariwal **Doris Loretta Eisenstein

Margaret Marie McClellan Suzanne Elizabeth Pratt **Margaret Claire Switalski **Faith Helane Zieske

Applied Music

H**Margaret Louise Gage

DEGREE OF

BACHELOR OF MUSIC

Music Therapy

David Andrew Barger Nancy Susan Heller **Anita Mae Holm Elizabeth Sue Margoshes DEGREE RECOMMENDED **TOINTLY WITH THE** COLLEGE OF EDUCATION

School Music

Steven Douglas Bass Charlotte Holly Chadwick H**Karen Elizabeth Cosby **Sharon J. Feeny

Karen Lee Folks H**Margaret Louise Gage *Barbara J. Hildreth *Barbara Jean Nelson

**Nancy Joan Pollack Thomas Bennett Reed, Ir.

*Annette Marie Yared

School Music and

Music Therapy

JoAnn Connor H**Mary J. Hohenstein

COLLEGE OF BUSINESS

RICHARD J. LEWIS, ACTING DEAN

DEGREE OF

MASTER

OF ARTS

Economics

John Philip Johnson Luis José Tarazona Cote

GRADUATE SCHOOL OF BUSINESS ADMINISTRATION

DEGREE OF

MASTER

OF BUSINESS

DEGREE OF

BACHELOR

OF ARTS

ADMINISTRATION

Abdolrahim Afshar
Hitoshi Ariizumi
Raymond Lee Barry
Michael William Bloch
A. David Brayton
John Julyan Clemens, Jr.
Gerald Lee Cluley
Scott Michael Connor
Robert Lorin Cook
Jose Horacio Cortina
Janice M. De Jong
Andrew William Dutton
Mohammad Hasan Fathi
Greta Ann Bollenbach Foster
Deane H. Frier
Jeffrey Craig Goldstein
Michael William Golombek

Shashikant Gupta
Ronald Mark Harrison
Mary Ruth Harsha
Ronald Charles Hintz
William Peter Holda
Michael George Hrydziuszko
Salah Ali Issa
Lloyd Franklin Jenkins, Jr.
Fred Peter Kayne
David Lawrence Taylor
Knudson
Jon Keith Korpalski
Stephen Frederick Meach
Benedito Domingos
Menegazzi
Gerald Thomas Miron
Pauline Vera Misjak

Robert Eugene Montbach, Jr.
Anthony Mario Montrone
Kenneth Paul Nickels
Frank Paul Paradise II
Richard Arthur Reimer
Aloysio Justiniano da Rocha
Richard Robert Roney
Paulo Edmundo Sande
e Oliveira
James Robert Sebo
Leigh R. Stork
Barrie James Underwood
John Clark VanConant
Michael G. VanHaerents
Kellie Lynn Willson
Ronald Thomas Wilsie

Accounting

Steve Aretakis Gerald Lawrence Berger

Joyce E. DenBraberKathleen Livingston DislerRobert Bruce Drake, Jr.

H**Maryann Dreske H**Philip Harry Duer *Thomas John Hadrych

*Thomas John Hadrych Douglas J. Hanson *Arvid Dean Hood

*William Franklin Hupka Randy A. Kent Gary E. Lueck Marilyn Merila

H°*Michael Keith Modin H°Bernadette Louise Muko Jill Lucille Murphy

H Honors College
With Honor
With High Honor

 Mark Raymond Pasternak Allan D. Rau
 Paul James Schmidt
 Anita Shelton
 Nancy Joan Solecki
 Clenn Joseph Theoret

*Glenn Joseph Theoret James Frederick Topliff Bruce A. Yanusz

Economics

*Jay Michael Courage
Dean Paul Latona
Peter Marutiak, Jr.
H**Bruce M. Masterson
H**Kathleen Lyn Quenneville

H°°Richard William Schrader David Sekela H°°Charles Robert Watkins H°°Jeffrey Carl Weiss

Financial Administration

Lawrence Peter Emelander
William P. McCliment

Food Systems Economics

and Management
Jane Lynn Blaser
Victoria Vegis

COLLEGE OF BUSINESS

DEGREE OF

OF ARTS

General Business

Administration

Administration
Deborah Alice Alger
Donald Clair Aseltine
Jeffrey Thomas Bouck
Winston Hamlett Buckley
Daniel Michael Clough
'Thomas Roger Cribley
Donald Gordon Dunlop
Clifford T. Foster
'David Edward Gast
Lee Edward Haslick
Donald Michael Horn
H''Donald Lee Kaverman
H'William Thomas King, Jr.
Alexander Menyhert Kota

Alexander Menyhert Kota Silvia Maria Leme Marcondes Macedo Joseph Owen Miller James Hugh O'Donnell James Albert Orlando Christopher S. Platt Brant Franklyn Schultz Joseph Douglas Sonefeld Michael Bernard Stevens Ronald Jay Vlasblom Edward Steven Walters Phillip John Westervelt

General Business
Administration-Prelaw

*John Chester Fish Lee Edward Haslick Thomas C. Valentine

Hotel and Restaurant

Management

Michael Glenn Baker Frederick William Bell Daniel Stephan Blachut Randy Wayne Carlson *Gregory Arnold Eerbeek *David Lawrence Engelhardt Paul M. Garber

"Virginia Ann Hannen
William Howard Hart
Paul Eric Joseph
Jeffrey Scott Kaiz
Mary L. Kelly
William Ballenger Kinsinger
Robert Edward Laskey

"James Leroy McKillips
Arthur David Miller
Patrick Richard Murphy
Linda K. Nester
James Keith Petrus
Kathryn Lynn Phillips

"David Glen Roberts
Patrick Arthur Tinetti

Marketing

**Robert Lewis Willis

Michael John Bailey
Dennis Joseph Bauman
Bruce Thompson Darrow
Jack Steven Gardner
George Thayer Heath
Robin Beth Jones
Robert Gerald Leyland
Janice Ann Maly

*Patrick Kenneth McNeil William W. Prain *Thomas Frank Saxton Juliann Sivulka Michael B. Vaughan Keith William White

Office Administration
Roberta Lynn Carey
Janice Eve Cheney

Operations Management

Lynn George DeFrance Dan Michael Walker James Edward Ziesman Personnel Administration

Eric Lee Dean
Gabriela L. Downey
Dennis Alan Dyke
Mary Ann Evert
Paul Lee Gladstone
Judith Anne Glynn
Joel Mark McPherson
Michael Bruce Oliver
Daniel Edward Orr
Jerry A. Phillipson
Linda L. Rynd

H**Gary Glen Schultz
*Laurie Andrews Stirling

Risk and Insurance

*David Brian Winstanley

Tourism

Lloyd J. Cooley Linda L. Farrell Susan Carol Graham *Daniel James Hughes

DEGREE RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

Business Education
Cathy A. Dodge
Constance J. Gullekson

Distributive Education
Gary C. Betz

COLLEGE OF COMMUNICATION ARTS

HERBERT J. OYER, DEAN

DEGREE OF MASTER OF ARTS

DEGREE OF

BACHELOR

OF ARTS

Advertising

Bernard Michael Bullard John Frederick Hofmeister Wichchu Mokkhavesa Stephen Lester Pankey Jennifer Fay Spoon

Audiology and

Speech Sciences

Elizabeth Taiwo Akpati Janet Beth Baldrey

Delphine Anna Bisson Sumalai Maroonroge Patricia Gay Miskowski Marilyn Lane Rubendunst Ellen Sue Wiesenthal

Communication

Donal Dean Clark Norman E. Fontes John Carl Johnston Robert David McPhee Joanne Horn Rettke

Charles Nickolas Straney Mary Waddell Sutherland

Iournalism

Robert Y. H. Bao Didier J. Guerin Floresta Deloris Jones Gregory Lee Warfield

Television and Radio Lawrence Walter Lynn

Advertising

Byron E. Carlson, Jr. William Richard Dobson Vicki Joyce Evans H**Jane Marie French H**John William Kerastas III Steven Gary Lappenga H*Richard Lee Lukey, Jr. H**Anne Collins Matheny Timothy Clinton Moore Tomislav Rudolph Neuman Catherine Ann Pick
*William Donald Renner II James Frederick Rueber Richard M. Waddell Kathryn LeVeque Wise

Audiology and

Speech Sciences

*Carol Jean Bartlett Andersen Cheryl Yvonne Fry *Barbara Ann Harte *Robin J. Kaukola Beverly Diane Tolliver

Communication

Gordon Lincoln Freedman, Jr. William Gregory Lutsch *Thomas Louis Ori *Denise L. Petty Deborah Jean Saul **Michael J. Smydra Rella Jean Snare H**Nicky Jimmy Stoyanoff James Wells Wilcox

Iournalism

Denise Crittendon Wayne Alan Erickson Patrick Edward Farnan Mary Jo Galli William Jay Riegel
*Stanley Michael Stein
George A. Stofer
**John Baldwin Swart **James LaMonte Tinney Larry A. Vandesande *Pamela Wright Ward

Steven M. Wilson

John Joseph Bozzo

Television and Radio

Charles Douglas Baird David Brandell Robert Louis Croson Victor Joseph Filip **Gary Richard Gorland Thomas Richard Kessenich Betsy S. Lam David Parker Lang *Curtis Michael Miller Michael Angelo Mueller Michael McCann Murphy *Naomi Marlene Patek Joseph Anthony Ransom Harold Jeptha Skinner Cynthia Bergstrom Slaughter John Glenn Walsh *Randall Wilson Christopher Lloyd Young

DEGREE RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

Communication

Daniel Lee Emmitt Michelle Ann Lauer *Claudia Kay Smith

COLLEGE OF EDUCATION

Education

KEITH GOLDHAMMER, DEAN

DEGREE OF MASTER

OF ARTS

Phyllis Rae Abbuhl **Jeannette Adams** Nancy Jane Atkinson Lorraine Elnora Baehre Charles Evans Baker Mary Ann Barbour Richard Frederick Barnett Freeman Thomas Beasley, Jr. Ingrid Olga Benke John Charles Biedenbach Bradley Eugene Borgeson Chet Wayne Boss Shirley Foss Brown Nancy Lee VanSciver Brubaker Apinya Buasuang John Edward Carelli Larry Robert Cates Janice K. Collins Larry Steven Collyard Marian Elizabeth Cooks Bruce Butler Courim Amanullah Rahimtullah Dada Charles H. Davidson Joann A. Doyle Richard Allen Eavey Marvin A. Ellis Penphit Empraneet Edward Simeon Folsom, Jr. Frederick Bond Frost Susan L. Geist Dale Harold Glynn M. Regina Green Ann Marie Gremel **Andres Gutierrez**

Franklin David Guzak Mary R. Haggard Elizabeth Ann Harper Alice Wiese Hauver Barbara Ann Hoes Charlene Marie Holloway Winfield Leland Holmes Joseph E. Hurst Alan Edward Johnson Joyce Ellen Johnson Jean Jones Nancy Ann Kaiser Keith Lou Kauffman Sammie LaRae Kennedy Richard Leslie King Preang Kitratnee Paul Michael Kleeman W. Gerald Kline Deborah Sue Kohn Pamela Jean Kruse Carol Ann Kryske Cheryl Grable LaRocque Darvl Van Larsen William James Latta Ruth Jane Leite David Irving Lemmen Sandra Buike Link Karin Margarete Ludwig John Arthur Maki Mary Frances Maness Daniel James McShannock Kathleen Anne Medaugh Gianetti Olivatti Menegazzi Janice Ann Messner Sheila S. Morley Janet Windiate Nichols Walter Norris, Jr. Eleanor Jean Notz

Julie Gayle Nyquist Dennis Evan O'Grady Carol Ann Olson Martha Jane Openlander Temduang Panusbordee Daniel George Pappas Carol Dorris Pyke Roxanne Wilkie Reeves Judy Wemple Riley Robert Eugene Sachs Chatree Sanawongse Barbara Jane Schneider Kathryn Florine Schultz Richard Andrew Sherman **Ianet Marie Short** Maureen M. Slavin Roger Steven Small-Cheryl Christy Sonne Jeanne Louise Stadler Nell Sue Stephens Larry Joseph Sutter Mary Helen Thelen Anne Catherine Thomas Loree Ann Timlin Donald Edward Tobe Carolyn Denise Upshaw Theodore Terry Urban Georgia Frances Van Adestine Mary Helen Van Dien Benchavan Vannaprasert Barbara Elyse VanOsten Doris McEwen Walker George Michael Walker LillieAnn Williams Robert Thomas Williams Este Lebowitz Wolkinson Zandra Lee Zweering

COLLEGE OF EDUCATION

DEGREE OF BACHELOR OF ARTS

Elementary Education

**Anne Marie Adcock *Arthur Daniel Adcock *Mark Edward Barczuk Renée Susan Bedard Christine N. Belson Julane Brower Beukema *JoAnn Mary Blackford Sally Ann Boehm

Fairy J. Pettigrew Boyd Timothy Lynn Brady *Susan Margaret Bright *Karen Jeanne Burgess Kathleen Ann Clark

*Karen Anne Cowall Marianne Elizabeth Crawford *Christine Anne DeVries

Marylynn Ruth Doletzky Rhodene Beth Drexler Laura Denise Erickson

Dawn Marie Flannigan Laura Lee George Eric Paul Gohlke

*Amy J. Gross
Phyllis F. Hancotte Bonnie Arden Heath Valencia Darlene Holmes *Judy Jay

Linda Ann Kalinowski H**Ann Gabrielle Kelly *Diane Marie Kleen *Renée Victoria Kosnic

Kendra Kav Lane *Jay Gordon Lieffers II Angelo Augustine Lopez

**Jolaine Angela Manore **Denise V. McCollum *Marilyn Dembowski Meredith

*Iames Allan Merrick Raeanne Kay Miller Christina Lindblom Mitchell

Kenneth Michael Nabozny *Elaine Jean Nowicki

Suzanne Leah Oberle *Patricia Ann Peiffer Ronald Melvin Rutkowski Sarah Ruth Schloemer *Bonnie Francine Seifer

Jacalyn Annette Shelton Tiena Marie Stone Deborah Lee Stormes Janet Lynn Strand

H**Rosalyn Joan Stretch

H **Mosalyli Joan Galesta H **Mary F. Swartz *Valentina Tkachuk **Kathi Jo Van Gelderen H **Joan Elaine Wagner

** Janice Lea Walker Lynda Way

**Denise Rose Webster William H. White, Jr. Mary Elaine Yanz

DEGREE OF BACHELOR OF SCIENCE Health, Physical Education

and Recreation

Barbara Jean Ball Wendy Parker Beckwith Mary Jane Belson

*Claire Ruth Carson Michael Marion Danielewicz Richard Haldon Divine, Jr.

*Bonnie Susan Downs **Linda Lee Emerick Eileen Marie Galles

Byron Francis Hebert Jill L. Heckathorn Christine Ann Hesse Alice Fay Hicks Richard J. Hulkow Robert William Kanar Linda Joann Kohring

*Larry J. Martin *Jean Marie McGuire Charles William McNeil Gail Marie Peacock Susan Lynn Phillips

*Mary Jo Truesdale Cynthia Ann Wininger

Industrial Arts

Joseph Girvan Brown *Samuel Mario Dozzi *Randy Gilbert Schafer Robert Frank Senese *Ronald Charles Simons *Donald Eugene Winchell *Robert H. Wong

COLLEGE OF ENGINEERING

LAWRENCE W. VON TERSCH, DEAN

DEGREE OF MASTER

OF SCIENCE

Chemical Engineering

Roger Keith Hinson Michael James Murry P.V.S.R. Krishnam Raju

Civil Engineering

Keejong Kim Sun K. Kim

Computer Science

Shahrooz Fath-Azam Bose S. Ghanta Richard George Hannon Andres Putnins Electrical Engineering

Uhi Ahn
Charles Henry Berry, Jr.
Leon Rubert Dickson, Jr.
Douglas Ivan Fales
Roland Glenn Kibler
W. Alan Levijoki
Yukio Mashino
Gary Paul Paine
Philip Ralph Peterson
Stephen James Sutton
David William Taylor
Bruce Hall Van Vlack

Mechanical Engineering

Kenneth Robert Bartos Richard Gordon Dent Charles Thomas Gauronskas Kenneth Allen Heath Arvind Kapadia James Raymond Spruit Glenn Allan Walkush Robbie Adair Williams, Jr. Thomas Jeffrey Yochim

Mechanics Kai-Ping Lo

Metallurgy

Daniel Joseph Dobruse Susan Roberta Schuon

Sanitary Engineering
James Michael Brede

COLLEGE OF ENGINEERING

Civil Engineering

Robert William Bennett
*James Stanley Fergus
Stanford Lee Henry, Jr.
James Henry Hooper
Alton Jay Howard

Alton Jay Howard
H°°David Earl Leland
Robert Stephen Otwell
Paul Jay Siebert
Louis Donald Taylor
Gregory L. Williams
Gregory Nathan Zanotti

Computer Science

DEGREE OF

BACHELOR

OF SCIENCE

Irvin Lionel Gaines Ward Wesley Haskins William Kenneth Reger David M. Shuey *Robert Alan Smith

Electrical Engineering

Larry James Core Stephen Louis Diedrich Bryan Lee Faist Stewart James Gates Thomas Reber Hardenbergh Genadiy Henry Hirscht *Philip Frederick Logsdon
*Ralph William MacKenzie
H**David Mark Orlicki

H**David Mark Orlicki Todd Richard Pennington Raul Rico

H**Kim Edward Russell David William Stoner John Carl Svercek

Engineering Arts

*John Hale Cooley, Jr.
*Michael John Palkowski
James Steven Pomeroy

Mechanical Engineering

Larry Lynn Bistricky
James Lee Cole
*John Lawrence Dunec
H**Kenton Lloyd Erickson
John Emmett Fink II

Raymond Everard Ford
*Larry P. Gasper
Wayne Wallace Hagemeister
Lloyd Sampson Kain II
Donald Michael Kallio
August Luis Lupnitz
Michael Gene Mikutis

*Joseph Dennis Minissale Kamaledin Moarefi David A. Morris Jon C. Reed *David Harold Reid Eric Karl Slaughter *Sue Ellen Sperger *Volker Kurt Trent

Systems Science

*Thomas Michael Conroy H*Rosetta Kerin Craig H**Joanne M. Maguire H**Thomas Raymond Spragle **Gerald M. Thompson

DEGREE RECOMMENDED
JOINTLY WITH THE
COLLEGE OF AGRICULTURE
AND NATURAL RESOURCES

Agricultural Engineering

*Gary L. Dittmer *Tobin Lynn Emrick Félix R. Rivera Rick L. Shaw

COLLEGE OF **HUMAN ECOLOGY**

LOIS A. LUND, DEAN

DEGREE OF

MASTER OF ARTS

Clothing and Textiles

Sandra Maria Blanco

Family Economics and

Management

Sharon L. Anderson

Home Economics Education

Arriam Zecharias Lema Bonnie Lou Nyeste Camellia Bush Wilsie

Human Shelter and Interior Design

Ting Fun A. Yeh

DEGREE OF

MASTER

OF SCIENCE

Community Services

Judy Dianne Stenfors

Human Nutrition

Michael Kenneth Armstrong Joan Elizabeth Kazmarek Dianne Alaimo Radigan

Institution Administration

Sidney Nelson Eaton III

DEGREE OF

BACHELOR

OF ARTS

Interior Design

Elizabeth Jane Armbruster Susan Christina Cornell

*Marjorie Holbrook Graeff

**Carvl Ann Hov

Jane Lillian Levy Diane Marie Mulanix

Clothing and Textiles

Francis Martin Brown *Martha Sue Helen Clara Katharine Lois Petropoulos Regina Ann Porter

H**Barbara Lynn Reynolds Neila Mae Tillman

**Joan Ann Whitmyer

Carolyn Lee Kill Marianne Leach Cheryl Ann Sutter

Dietetics

Jacqueline Ann Bzura Linda Diann DeVore Jean Louise Herrity

**Janet M. Jacobson **Mary Elizabeth Meade

Patricia Eileen Miller *Linda Mary Ustes Lois Irene Waldman H**Sharon M. Wojnaroski

Family Ecology

Amelia Quashie Opubor

Family Ecology-

Communication Arts

Bernadette Miller

Human Environment

and Design

Mary Kathleen Granger *Mary Catherine Welborn Wayne Francis Zibell

Research in Foods and

Nutrition

Mary Gayley Cleland

DEGREE OF BACHELOR OF SCIENCE

Consumer-Community

Services

Yvonne M. S. Anderson

*Valrie Jean Burrows Wendi Anne Camper

*Diane M. Daher Justine P. Grant Carol Ann Keurajian

COLLEGE OF HUMAN ECOLOGY

DEGREE OF BACHELOR OF SCIENCE Retailing of Clothing

and Textiles

Terry Lynn Bishop Mary Ann Clayton Jayne Ann Collins *Linda Susan Crites Joan Ellen Goranowski *Claudia Jean Henderson

*Claudia Jean Hendersor *Carol Ann Irwin Rebecca Lynn Knisel *Deborah Lee Korb Linda Marie Prepolec Ann Marie Pringle Patricia A. Schaberg Steven J. Siakel Deborah Carol Vickery JoAnn Lee Walpatich Kathleen Ann Walthall Paula Jane Wild DEGREE RECOMMENDED
JOINTLY WITH THE
COLLEGE OF EDUCATION

Child Development

and Teaching

Barbara Eileen Beckert
H°*Marilyn Peat Clark
Roberta Karen Dwelley
°*Carol Jean Fredrickson
°Leslie Lizabeth Haines

*Nadine Louise Knight

Judith Ann Merchant Marjorie Diane Pajtas H°°Carol J. Rathert Lynn Susan Skopczynski Sarah Lynn Thomson °°Joycelyn McLean Veenstra

Home Economics Education

*Susan Jane Jacob Ronda K. Kosnik Janice M. Krey Anna Teresa Svea Moscicki

COLLEGE OF HUMAN MEDICINE

ANDREW D. HUNT, JR., DEAN

DEGREE OF
DOCTOR OF
MEDICINE

Kathleen Marie Andries Thomas Edward Brenner Judy Ann Cook Richard Michael Czop Fredric Leon Edwards David Earl Hammond Bruce Arthur Klunzinger Roderick Douglas Lee, Jr. Donald Henry Luecke Michael Jon Mattice Joseph Hurly Oyer James Augustus Petteway William Joseph Reitmeyer Stephen Ray Schondelmayer Gerald Alan Shiener Gerald Bruce Sibrack James Walter Smith Cyrus Neal Walker Harris William Weaver Douglas C. Westveer

DEGREE OF
MASTER
OF SCIENCE

Clinical Laboratory Science Jerry A. Holmberg

Microbiology and
Public Health
Wen Hou Chang

Physiology
Peter Ramutis Kvietys

DEGREE OF BACHELOR OF SCIENCE <u>Human Medicine</u> Porfirio Sergio Rodriguez Medical Technology

Dawn Marylon Curtis
John David Decker
Rosalind Fenton

Jill Elizabeth Holden **Carol Ann Spoor

JAMES MADISON COLLEGE

ROBERT F. BANKS, DEAN

DEGREE OF BACHELOR OF ARTS Howard Gordon Burlak
H**Benjamin Fiedler
Michael Dennis Foley
Jeffrey Dean Fredrickson
H**Gary John Handwerk
H**Layne Ann Homeister
Claude Joseph Kazanski
H*Paul Clarence Pratt

H°*Carol S. Roberts

**Thomas Michael Robertson

*Cynthia Len Ryan
Deborah Faith Segal

*William Douglas Smith

*Diane Marie Walenga

*Diane Lee Warriner

*Gail Robert Wernette

DEGREE RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

*Barbara Lynn Grossman

JUSTIN MORRILL COLLEGE

D. GORDON ROHMAN, DEAN

DEGREE OF BACHELOR OF ARTS Amy Louise Clark

*Lon Evan Graves

*Sandra Lynn Grill
Elizabeth Ann Grossfeld

*Shelley Elizabeth Hutsler
Mary Frances Lomas

*John Cochrane MacColl
Edwin David Mammen

Linda Medina

"Maureen Elizabeth Myers
""Martha Ann Phaneuf
"Christopher Elliot Simmons
Thomas Carter Stringe
Dennis M. Tanabe
Diane Helen Wesley
Carl Arthur Wright

DEGREE RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

Deborah Catherine Comstock **Wendy Jeane Frey *Gary Warren Gratzer

LYMAN BRIGGS COLLEGE

MICHAEL J. HARRISON, DEAN

DEGREE OF BACHELOR OF SCIENCE *Pierre J. Alix Gregory William Barr Paul Alan Benson H**Charles Lloyd Blanchard Kathy Burgis H**Karen Lee Clark

*Douglas Bruce Colman H°*Jesse Oliver Hobbs Barry Edward Moll H°*Mona Ann Mort H°L. Ann Nunnally *Sandra Lee Schinkowsky

DEGREE RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

**Janeen Kay Godfrey Gary Lee Sipkovsky

COLLEGE OF NATURAL SCIENCE

RICHARD U. BYERRUM, DEAN

DEGREE OF

MASTER

OF ARTS

FOR TEACHERS

Geology

Iames Francis Starrs

Mathematics

Ross Douglas Bohms

Physics

Michael J. Murphy

Biological Sciences Graciela Aguirre Terrazas

Biophysics

Robert Gene Canada Phillip William Singer

Kenneth Stanley Leonards

MASTER

OF SCIENCE

DEGREE OF

Chemistry

Richard Lee Alcorn Kenneth Michael Dieter Charles Bruce Hand Henry Man Hung Lam Pamela Joy Tschudin

Entomology

Scott E. Askins James Dwight Dutcher Robert Prynne Hoxie

Duane Carl Kalin James Edward Nugent Larry Gene Olsen

Geology

Ayad Hussen Dali Cyrus Seeley Picken, Jr. John Kantz Preston Jaime Alberto Rodriguez Wilhelmus Antonius I. van Leeuwen Ellar Ruth Williams

Mathematics

Thomas C. Assiff Gregory Matthew Polanski

Microbiology

William Herman Eschenfeldt Leigh Martin Bruce Blaine Mason Victoria Marie Vavricka

Physics

Felix Marti Dennis W. Mueller Karen Sue Stricker

Physiology

JoAnn Carol Havran Kenneth Joel Tannen

Statistics

Robert Joseph Cappelli Yongwoo Nam

Zoology

Stephen Frederick Collett James Louis Lindenfeld

DEGREE OF

BACHELOR

OF ARTS

Mathematics

H**Bruce Alan Dike

H Honors College ** With High Honor

DEGREE RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

Mathematics Linda Lee Tiemann

COLLEGE OF NATURAL SCIENCE

Astrophysics

H**Jeanne R. Pagano

Biochemistry

H*James Richard Bradford *John Carlton Maino II H** Joanne Patricia Orr

Biological Sciences

David Eugene Bryan Linda Joy Macklem Michael Lloyd Scott Kevin Norvell Taylor Timothy Peter Wenn

DEGREE OF Botany

OF SCIENCE

Ronald D. Merchant BACHELOR

Chemical Physics

James Byron Dubke

Chemistry

**Richard Leonard Kopec Thomas Michael Salley

Entomology

Ronald D. Merchant

Geology

James Baranowski Neil Allen Chamberlain Richard William Flanders Mathematics

*Mary L. Sellers

*Gregory James Shedd

Microbiology

*Steven Michael Schwimmer

Nursing

**Petra Rose Callejas Faye Cardwell

*Barbara Jean Kersten *Nancy Jean Kirkpatrick *Cheryl Ann Manning

*Patricia Lynne Mayer *Carolyn Sue Smith

**Diana Lynn Swope

*Karen Marie Wosczyna

Physical Sciences

David Gray McLeod

Physiology

*M. J. Hooper *Douglas Craig Richardson *Diana Kay Saddison

Zoology

*Fredric Lyndon Bonine

**Catherine Lynn Cook David Thomas Cross Robert Matthew Dahlberg

H**Kathy Ann Erdman James George Fisher *Gregory Preston Gore *Melea Marie Grobbel *Patrick Henry Hafner

Michael JacobyJohn Nicholas Kallas Bradley William Kaplan Michael John Manthos Arnis Pone

John Matthew Richardson *Laurence John Rogel James Michael Ryba

Richard Andrews Thoms H*Stephen Randolph Tourre Stephen Scott Towns

*Nancy Marie Wells

DEGREE RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

Biological Sciences

Bruce Alan Leeson H*John Henry Smith, Jr.
*Pamela J. Spencer

*Steven Robert Young

Chemistry

Thomas Curt Smith

Mathematics

*Maureen Ruth Kenny *Elizabeth Ann Lentz Thomas Richard Singbiel

COLLEGE OF OSTEOPATHIC MEDICINE

MYRON S. MAGEN, DEAN

DEGREE OF

DOCTOR OF OSTEOPATHY

Joel Edward Freedland

James Gilbert Morgan

COLLEGE OF SOCIAL SCIENCE

GWEN ANDREW, ACTING DEAN

DEGREE OF

MASTER

OF ARTS

Anthropology

Thomas Dennis Giblin

Geography

Jan David Gierman Robert Gillies Greene William Joseph Hart, Jr. George John Mayer

Political Science

Gerald Winfield Ambrose George Arthur Gianopoulos Fred Prahl Knust John Frederick Strough, Jr. Susan A. Wilson

Psychology

Henry Orville Braddock Don J. Brand Bruce H. Ente Anderson Clarke Freeman Lisa Friedenberg Alan Lou Greenthal Una Elizabeth Hutton Rodney Lewis Lowman James Randel Nuttall Bruce Bernard Saari Allison Blake Stern Edward Charles Teyber, Jr.

Social Science

Leon Lester Anderson Steven C. Feeny José Francisco Trevino

Sociology

Patrick James Ashton Howard Harry Ball Ferdinand Fritz Thomas Henry Whalen

DEGREE OF

MASTER OF

LABOR AND

INDUSTRIAL

RELATIONS

Richard Harry Babb Raymond Buratto

Kevin Allen Carter W. David Ferguson Errol A. Goldman Michael Jeffrey Meeske

DEGREE OF

MASTER

OF SCIENCE

Criminal Justice
Robert Francis Nida

James John Rehmann John Steven Rubitschun Ronald Andrew Soltis Leonard Alvin Witte

DEGREE OF

MASTER OF

Judith A. Ashley

SOCIAL WORK

DEGREE OF

MASTER

IN URBAN

PLANNING

Karen A. Heath Louis Hughes Lambert Kirk Lars Lindquist James H. van Ravensway

COLLEGE OF SOCIAL SCIENCE

Anthropology

Michael John Marhanka **Melinda Lee Van Bossuyt H*Jane Ellen Winter

Political Science

Kathleen Collins Wayne Owen Ely Larry T. Fedak John Michael Haddix Jamshid Hamidi

H**Robert Andrew Henderson Robert Thomas Hentchel Thomas Edward Kline

*Brian Peter Larson *Steven Bates Leiby Ben Lawrence Redman Marc Laurence Sheffer *Iames William Shimoura

H*Aubrev Dexter Washington

DEGREE OF BACHELOR

OF ARTS

Psychology

Kathryn Ann Cowell Deborah Jean Dunmore Judy Lynne Serra Edmondson Michael L. Gardner Luwillis Gibson III

**Anne Glasgow
H**Maresa Tedrick Hayhoe
Robert John Hill
Scott Morgan Post Jones *Deborah Ann Lakos Iulie Anne McErlain Monroe Harris Mills *Moria Elaine Morris

**Susan Elaine Selden Martha Lucile Torrance HGary James Welton Gayle Aileen Whitney

*James Ralph Wilson

Social Science

Ervin Terrance Bennewitt Michael James Bentley Barry Neal Biederman *Ronald William Bloomberg

*Brian James Boal *Betsey Ann Bock Victor DeWitt Camp LaShawn Frances Cash John Christopher Colpean *Eileen Crowley

Norman Ray Ford Patrice Ann Gajewski E. Irene Greene Kathleen Anne Hedlund *Kathleen Lorraine Helmer

Raymond F. Imhoff Marilyn Dale Jereau Robert Alan Kaplan Ryan Francis Korpi

James Douglas Leonard John Emery Lorente Bruce L. Makie Edward Thomas Malear Robert VanDusen Mason Patrick Fritz Miller Janet Sue Musgrove Gregg Allan Pike
James R. Renner
Thomas Richard Roth

**Docia Millov Rudley George Wesley Scott Robert James Tait Mark Thompson van Benschoten

Arturo Vazquez Barbara Louise Voigt *Martin Joseph Walsh III Phillip Edward Wandrey John Dennis Whitehead Cedric Ricardo Wilson Michael Yeakey

Social Work

George Hemingway Bennett *Cynthia Mary Boyce Wendy Chodoroff

**Jeanné Bakale Duer Janice Lorriane Gabrielson **Leslee Beatrice Glenn Yolyn Elwin Hollingsworth

*Diane Louise Holmwood **Karen Louise Kayser *Lois Elizabeth Knopf David Paul Kremer *Sandra McKinnon **Karen Lee O'Connor

*Alice Leone Rohloff *Marilyn Rachael Sayfie *Carole Jean Strobe *Mary Kathryn Stronski Winifred Yolunda Wilson

Sociology

Jon Lyons Bartow *Steven Joseph Glueck *Thomas Patrick Griffin *Martin Gregory Kushler Jerry Anthony Miazga

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

Social Science

*Lynn Dee Anderson Vicki Lynn Clark Lvnn Karen Dawson *Mary Lynne Hosner Linda Jean Motzny *Deborah A. Orban Mercedes Helen Pelletier

DEGREE OF

BACHELOR OF

LANDSCAPE

ARCHITECTURE

Daniel Norman Wenk

DEGREE OF

BACHELOR

OF SCIENCE

Anthropology

Marion Teresa Fox John Donald Meszaros

Criminal Justice

William Avery Angerbrandt James N. Arnold

H Honors College
With Honor
With High Honor

James Alan Baran John Milton Bertram Shane Bolley

Samuel Ray Campbell
**Daryl Dorothea Carlson **William John Cavanaugh *Cheryl Elaine Courtney *Kirk William Cox

*Lola Renee Dodge *Donna Marie Duyck David McAlpine Edwards Robert Harris Flora Lynn Hubert Gregg Leo Thomas Haidys

H**Lawrence Eugene Hall **John Kenneth Harris Larry Boyd Higgins

COLLEGE OF SOCIAL SCIENCE

DEGREE OF BACHELOR OF SCIENCE

Criminal Justice (Continued)

*Joanne F. Hurley *James William Johnson

*Kathleen C. Jones *Anthony James Kolenic, Jr.

*Terrance A. LaVoy *Mary Martha Lobur Robert Daniel Malarney Arlo Dale Manley

*Michael Raymond McMillen

*Nancy Hunter Menaul
*Christopher William Munsell
Christian Carl Nilson Patrick James Pond Edward Leonard Raucher Horace Robbins Gary Earl Schoen Patricia Eileen Shields Darcel F. Smith

H**Leonor Lopez Smreker Donna L. Steele Wilbert Summers Peter James Travis Bruce Newell Wheeler

*Mary Beth Wysocki Denis Richard Zietlow

Landscape Architecture

Paul Ernest Gareau Robert Alexander Kruch *Norman William Schleif, Jr.

Psychology

*Debra deRohan Barondes *Fred Daniel Boratynski Pamela Ann Burgess David Alan Chapman Greer Elaine Davis
*Richard Henry DeHart

**Mary Lou Donnellon Floyd David Elliott Margaret Mary Farkas
*Dale A. Fritzsche

Deborah Lee Green Deborah Lee Green
Barton William Hood
Donald Wayne Howard
*Marion Wharton Hughes, Jr.
*James Francis Nagi
H*Paul Clifton Oliphant

*Albert Richard Pack Leland Darrell Riddle Stephen A. Rinaldi Ronald Ray Tribble

James Earl Welsh
**Lynn Laree Wetzel
Mark Donald Wightman

Roger John Wilson *Sandra Yangouyian

Social Science

Thomas Wesley Bandfield Lawrence Peter Bentz Barry Alan Chambers Charles Arthur Cigrand Harry Michael Eden Robert Lee Goodsell William Martin Holwig

*Sebronella Howard **Donna E. Hujsak
Norde James III
Eric John Larson
Michael Alan McNeilly Daniel B. McNerney Thomas Augustine McQuillan James Craig Millspaugh George Thomas Parker John Robert Riedl Gary Lynn Smith Patricia Anne Smith Elaine Suzanne Stewart

**Bonnie Joyce Van Popering Don Robert Walters David Conway Workman

Sociology

Linda Diane McMillen

Urban Planning

Jack Lynn Howell Dalrois Marion McBurrows **Gregory John Reppa

DEGREE RECOMMENDED TOINTLY WITH THE COLLEGE OF EDUCATION

Social Science

Charles Daniel Fox Jay Scott Patterson Marguerite Tamoor

COLLEGE OF URBAN DEVELOPMENT

ROBERT L. GREEN, DEAN

DEGREE OF

BACHELOR

OF ARTS

Urban and Metropolitan

Studies

Susan Yolanda Patton George Davis Pellett Jeanette Marie Scroggins

COLLEGE OF VETERINARY MEDICINE

CHARLES F. REED, ACTING DEAN

DEGREE OF

MASTER

OF SCIENCE

Physiology

Dennis Anthony Barraco

DEGREE OF

BACHELOR

OF SCIENCE

Veterinary Medicine

Robert Scott Barr **Ruth Blauwiekel

*Kathy Ellen Buslepp Paul Henry Dixon

*Richard Roger Duhaime **Randall Scott Evans

Paul C. Gautz

**Barbara Jayne Griffith
*JoAnn Marie Kuschel

*Mark Andrew LeMay *Steven Scott Lowry

*Mark Andrew Reese Nancy Joann Rittenhouse

*Jay L. Triick Duane Raymond Trupiano *Gary Achille Vyncke Lawrence John Witt

*Robin Maureen Woodley
**Donald William Zantop

RESERVE OFFICERS TRAINING CORPS

The following student has completed his ROTC Education at Michigan State University and has received his commission as a reserve officer of the United States Army in the branch indicated.

MILITARY

SCIENCE

Medical Service Corps
Dean Paul Latona