

# COMMENCEMENT 1968 MICHIGAN STATE UNIVERSITY

# THE COMMENCEMENT COMMITTEE

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JOHN G. LAETZ

EVERETT R. EMINO

KERMIT H. SMITH

SUZANNE K. VANWAGNER, Student Representative -

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A seating diagram for graduates and commencement guests may be found on the inside back cover.

Following the close of the 1968 Spring term, approximately seven weeks are required to complete the processing of academic records and the preparation of diplomas. Based on this schedule, diplomas will be mailed in August, 1968.



# COMMENCEMENT 1968

Sunday, June 9 Spartan Stadium, 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. Doctors' 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 Maize
Forest Products,
Forestry, PackagingRusset
College of Arts and
LETTERS
MusicPink
PhilosophyNavy Blue
College of BusinessDrab
EconomicsCopper
College of
COMMUNICATION ARTSRoyal Blue
JournalismCrimson
SpeechSilver Gray
COLLEGE OF EDUCATIONLight Blue
College of EngineeringOrange

# ORDER OF CEREMONIES

#### PROCESSIONAL

THE CROWN IMPERIAL — Walton Michigan State University Band, Dr. HARRY BEGIAN, Director

#### AMERICA — Smith

The Band and Audience

#### INVOCATION

THE REVEREND WALTER R. WIETZKE, M.S.T. Lecturer, Department of Religion, Michigan State University Pastor, University Lutheran Church

#### ADDRESS

BENJAMIN ELIJAH MAYS, Ph.D., D.Ed., D.D., LL.D., Litt.D., L.H.D. President Emeritus, Morehouse College

#### CONFERRING OF DEGREES

JOHN A. HANNAH, D.Agr., LL.D., HH.D., L.H.D., D.Sc., Litt.D. President, Michigan State University

#### ALMA MATER — Traynor

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

(The Band and Audience)

#### BENEDICTION

The REVEREND MR. WIETZKE

#### RECESSIONAL

CORONATION MARCH FROM "LE PROPHET" - Meyerbeer

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

The audience is requested to remain seated while those in the procession are entering and leaving.

# ORDER OF PROCESSION

#### THE COLOR GUARD

### THE CANDIDATES FOR DEGREES

#### Column 1

Doctor of Veterinary Medicine Justin Morrill College College of Human Medicine College of Social Science College of Communication Arts College of Veterinary Medicine

#### Column 2

Doctoral and Educational Specialists College of Arts and Letters College of Home Economics College of Engineering

#### Column 3

College of Education College of Agriculture and Natural Resources

#### Column 4

College of Natural Science College of Business

### THE FACULTY

### THE PLATFORM PARTY

The Deans of the University

The Officers of the University

The Board of Trustees

The Recipients of Distinguished Alumni Awards

The Recipients of Honorary Degrees

The Secretary of the University

The Officiating Clergyman

The President of the University

The services of members of Omicron Delta Kappa, honorary society for senior men, Green Helmet, honorary society for sophomore men, and Alpha Phi Omega, National Service Organization, are gratefully acknowledged.

# 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 DON STEVENS, Chairman	Okemos
THE HONORABLE C. ALLEN HARLAN	Southfield
THE HONORABLE CONNER D. SMITH	Pinconning
The Honorable Stephen S. Nisbet	Fremont
THE HONORABLE FRANK HARTMAN	Flint
THE HONORABLE CLAIR WHITE	Bay City
THE HONORABLE FRANK MERRIMAN	Deckerville
THE HONORABLE KENNETH W. THOMPSON	Lansing

JOHN A. HANNAH, Ex Officio, PresidentEast	Lansing
JACK BRESLIN, SecretaryEast	Lansing
PHILIP J. MAY, Treasurer	Lansing

# 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 114th 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, 439 buildings, and approximately 5,000 acres of land of which 2,010 acres are in existing or planned campus development.

Founded in 1855 to educate youth for the major occupation of that day — farming — MSU has broadened its offerings to meet the educational needs of today. Michigan State now has the School for Advanced Graduate Studies and 15 colleges — Agriculture and Natural Resources, Arts and Letters, Business, Communication Arts, Education, Engineering, Home Economics, Human Medicine, James Madison, Justin S. Morrill, Lyman J. Briggs, Natural Science, Social Science, Veterinary Medicine and the University College, which offers 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, now nine in number, a stimulating academic environment. Each of these halls is the center of curricular and noncurricular activities, creating a "college within a college" atmosphere.

The "small college within the larger university" concept was introduced in 1965 at MSU by the establishment of the Justin S. Morrill College, which offers a limited enrollment liberal education program with an international emphasis; an intensive program in foreign languages is required of all Justin Morrill students. The concept was expanded in 1967 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

# MICHIGAN STATE UNIVERSITY (continued)

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, nearly 39,000 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 78 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 2,100 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 the following new buildings: Chemistry, biochemistry, psychology research, veterinary medicine, plant science research, and natural resources.

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, 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 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.

# THE UNITED NATIONS FLAGS

The flags at the rear of the stage are those of the United Nations from which students are attending Michigan State University. They are displayed in the English alphabetical order of the countries represented. The United Nations Flag itself is displayed in the center. Not included in this list are the U. S. possessions: Canal Zone, Guam, Puerto Rico, and The Virgin Islands. The arrangement from left to right is:

ALGERIA ARGENTINA AUSTRALIA AUSTRIA BELGIUM BOLIVIA BRAZIL CAMBODIA CAMEROON CANADA CHILE CHINA, REPUBLIC OF COLOMBIA CONGO LEOPOLDVILLE COSTA RICA CUBA DENMARK DOMINICAN REPUBLIC ECUADOR ETHIOPIA FINLAND FRANCE GHANA GREECE GUATEMALA GUYANA HONDURAS HUNGARY ICELAND INDIA INDONESIA IRAN IRAO IRELAND ISRAEL ITALY UNITED NATIONS

IVORY COAST JAMAICA JAPAN **JORDAN** KENYA KUWAIT LEBANON LIBERIA MEXICO NEPAL NETHERLANDS NEW ZEALAND NICARAGUA NIGERIA PAKISTAN PANAMA PERU PHILIPPINES POLAND PORTUGAL SALVADOR SAUDI ARABIA SINGAPORE SOMALIA SOUTH AFRICA, UNION OF SPAIN SYRIAN ARAB REPUBLIC TANZANIA THAILAND TURKEY UGANDA UNITED ARAB REPUBLIC UNITED KINGDOM UNITED STATES OF AMERICA URUGUAY VENEZUELA

# HONORARY DEGREES

JOHN NASH DOUGLAS BUSH

ZAFAR ALI HASHMI

BENJAMIN ELIJAH MAYS

You have had a deep and far-reaching influence on the study of literature and the humanities in America. Your numerous scholarly books devoted to classicism, mythology and Renaissance literature invariably have brought humanity to the study of letters. Without sacrificing the utmost accuracy and diligence in the collection of facts, you have insisted that the scholar's function is not merely to assemble information, but also to bring meaning and value to the human condition. Both as writer and as teacher at Harvard University and elsewhere, you have demonstrated to countless students your unique ability to illuminate, by sudden flashes of wit and wisdom, whole areas of human thought and experience. Because of your dedication to humane learning and the testimony of your own distinguished career that integrity, wisdom and grace are as meaningful in life as in literature, Michigan State University confers upon you the degree of Doctor of Letters.

In the two decades since your graduation from this university as a Doctor of Veterinary Medicine, you have followed a distinguished career in science and education in your native West Pakistan. As a scholar you have made significant research discoveries in the treatment of animal diseases and have written extensively in the scientific journals of Pakistan and other countries. During your years as a teacher and administrator, and especially as Vice Chancellor of the West Pakistan Agricultural University, you have carried out the best traditions of that land-grant philosophy of education which was a part of your American experience. Because of your unusual energy and knowledge, you have held positions of leadership in many scientific organizations and have represented your government in educa-tional conferences throughout the world. In recognition of the honor which you have brought to yourself and this institution, and the valuable contributions which you have made to the agricultural and scientific progress of your country, Michigan State University confers upon you the degree of Doctor of Science.

Your long and distinguished career as a churchman, teacher and administrator is one of the most remarkable in the annals of religious education in America. You have demonstrated the achievements which are possible for men of vision, courage and faith. As a lecturer, writer and delegate to social and religious conferences throughout the world, you have displayed an admirable devotion to the welfare of your fellow men of whatever race or nationality. And especially during your many years of wise and intelligent leadership as President of Morehouse College, you have brought a radiant hope and a larger dream to thousands of young people. In all of your many endeavors you have supported with both words and deeds the cause of freedom and human dignity. Because of your unusual accomplishments and because you have shown, by the example of your own life, that the human heart can encompass a love of God, a devotion to country and a compassion for every fellow citizen, Michigan State University confers upon you the degree of Doctor of Laws.

# HONORARY DEGREES

JOSEPH IRWIN MILLER

Your record of achievement as an industrialist and business executive has earned for you a distinguished reputation. As a specialist in the development of the diesel engine, you have made outstanding contributions to technological progress in transportation and industry. During your tenure as president of the Cummins Engine Company, and as director and trustee of numerous other organizations, your administrative leadership has been marked by intelligence and vision. Your endeavors in business, finance and other fields have been enriched by your dedication to civic improvement in your native Indiana and elsewhere in the nation. Your generous efforts in such areas of human service as education and good government are widely recognized and appreciated. Because of your devotion to the economic and civic welfare of your fellow Americans and to the country's industrial progress, Michigan State University confers upon you the degree of Doctor of Laws.

JAMES M. ROCHE

Your career over the past four decades as an industrialist and business executive has been unusually distinguished. Beginning as an assistant branch manager of the Cadillac Motor Car Company, you have advanced through positions of increasing responsibility to become the chief executive officer of the world's major manufacturer, the General Motors Corporation. Because of your imagination, energy and social responsibility, you have made noteworthy contributions to the automotive industry in such areas as personnel policy and sales management. All of your varied endeavors have profited from your exceptional knowledge and your enlightened view of corporate management. In addition to your career in industry you have devoted much time and effort to civic projects important to the welfare of the people of this state. In recognition of your outstanding contributions to the economic life of your fellow citizens and to the American automotive industry, Michigan State University confers upon you the degree of Doctor of Laws.

#### FRANCIS OTTO SCHMITT

Your achievement in the field of biology has given you an international reputation. As a teacher and research scientist you have consistently demonstrated the enthusiasm, intelligence and steadfast purpose which have been the hallmarks of your career. Your patient labors in zoology and physiology, which have brought you signal honors and awards, are of great importance in the unending struggle against disease. Despite your many activities and your leadership in professional organizations and conferences, you have remained an outstanding teacher at the Massachusetts Institute of Technology and wherever you have taught. Your work in public health has been highly praised by your colleagues and in the health agencies of our government. Because of your devotion to scientific truth and your successful advancement of man's knowledge about himself and his environment, Michigan State University confers upon you the degree of Doctor of Science.

### HONORARY DEGREES

JOHN ORMSBEE SIMONDS

Since your graduation from Michigan State University three decades ago, you have pursued a distinguished career in the field of landscape architecture, broadened beyond its original limits. By use of your intelligent and imaginative application of your professional knowledge, you have combined the qualities of beauty and usefulness in urban planning, highway beautification and other important activities. Internationally recognized as a consultant in community planning, you have left your mark upon the environment of numberless people both in this country and abroad. As a writer, critic and architect, you have consistently maintained the highest ideals of your profession. Because of the great credit which your admirable work has brought to yourself and this institution, and your accomplishments in the shaping of man's natural environment, Michigan State University confers upon you the degree of Doctor of Science.

# DISTINGUISHED ALUMNI AWARDS

WILLIAM J. BAKER

CARL H. BOEHRINGER

CLARENCE A. BOONSTRA

Class of 1915. Mr. Baker is President and Chairman of the Board of the Midland Federal Savings and Loan Association. He also owns and operates the Mid-Homer Farm which is noted for registered Holstein cattle. He has been in the financial world since he was graduated from Michigan State University. His first position was with the Peoples State Savings Bank, Midland, serving as Vice President at the time the bank was acquired by the Chemical State Savings Bank of Midland. He worked briefly for the Chemical State Savings Bank before he organized Midland Federal in 1933. A Trustee of Alma College, he was honored in 1962 by that institution for distinguished service. In 1965 he was awarded an honorary Doctor of Laws degree from Northwood Institute, Midland. For years an active, interested, dedicated alumnus, he was a founder of the Michigan State University Alumni Association, and presently serves on the Michigan State University Alumni Development Fund Board. He helped organize and is a member of the Midland Chamber of Commerce and the Midland County Fair Association, serving as Director and Treasurer of both organizations at one time. He was a member of the original charter group for the City of Midland, has served as Chairman of the County Board of Social Aid and was a member of the City of Midland Parks and Recreations Commission. Recently he completed more than 25 years of membership in the Kiwanis Club.

Class of 1925. Mr. Boehringer is presently the Executive Director of the American Chamber of Commerce in Japan with offices in Tokyo. He has served in this post since 1963 and has lived in Japan for fifteen years. Mr. Boehringer has had a very interesting career which began while as a student on the Michigan State University campus. He was editor of The Holcad, forerunner of The Michigan State News. After graduation he took a 17-month trip around the world serving part of the time as sports editor for The China Press, Shanghai. During the first half of 1929, he was a publicity writer for the Food and Drug Administration, Department of Commerce, and began a career of 32 years specializing in economic and commercial work and mainly in or on the Far East. During 1929-39 he served abroad with the Department of Commerce at Singapore, Batavia (now Djakarta), Manila and Tokyo. During the next 22 years, as a Foreign Service Officer, Department of State, he served at Tokyo, Osaka, Chungking, Nanking, and again at Tokyo, followed by assignments to Bonn, Manila, and finally Washington. At Bonn, 1951-54, he was the first postwar commercial attache assigned to Germany. At Tokyo and Manila he served as Counselor for Economic Affairs. He retired from the Department of State in 1961.

Class of 1936. Mr. Boonstra is presently the United States Ambassador to Costa Rica. He has held this post since January of 1967. Ambassador Boonstra has been in the foreign service with the State Department for more than 25 years. After graduation from Michigan State University he earned a Master's Degree and Ph.D. Degree from Louisiana State University. He served as assistant agricultural attache in Havana, Cuba, from 1942 to 1945. From there he went to Manila for two years as agricultural

# DISTINGUISHED ALUMNI AWARDS

attache and in 1947 was promoted to second secretary at the embassy in Lima, Peru, where he stayed for two years. From 1949 to 1953 he was the first secretary at the embassy in Buenos Aires, Argentina, and then held the same post in Rio de Janeiro, Brazil until 1955. From that time until 1957 he was counselor for economic affairs in Havana. He returned to the United States and served the Office of South American Affairs. He became political adviser to the commander-in-chief of the United States Caribbean Command in the Canal Zone in 1961 and was named in 1963 as minister of the Canal Zone. From 1963 until his present assignment, he was the minister at the United States Embassy in Mexico City.

Class of 1943. Mr. Briggs is presently serving as Superintendent of the Cleveland Public Schools. He has served in this post since 1964. His innovative ideas with this huge school system have captured the attention of the nation since many of his plans have received publicity in national publications. One of his ideas was to institute the nation's first Supplementary Educational Center and the Elementary School Library Program which in one year opened 135 libraries in Cleveland's elementary schools. A dramatic increase has been effected in the technical-vocational education programs; the system began a program to serve breakfast to more than 20,000 youngsters each morning, and he opened the nation's first schoolfactory training program. Mr. Briggs did his undergraduate work at Western Michigan University and was graduated in 1934. He studied at Wayne State, Harvard and Columbia Universities. From 1934 to 1940 he served the Brown City (Michigan) schools as a teacher and principal. From 1940 to 1957 he was in the Bay City school system as teacher, principal and superintendent. Between 1957 and 1964 he was superintendent of the Parma (Ohio) Public Schools. Mr. Briggs participated in the White House Conference on Education in 1965 and the White House Conference on Civil Rights in 1966. He is currently serving as a consultant to the Office of Education on Title IV programs.

Class of 1947. One year ago Mr. Ferguson was named President of Northwestern Mutual Life Insurance Company, the nation's seventh largest life insurance company and one of the 25 largest businesses of any kind in the United States. Mr. Ferguson has been with Northwestern Mutual since 1951. He has served as an agricultural economics specialist in the mortgage loan department, assistant manager and manager of farm mortgages, general manager of mortgage loans, assistant Vice President and then Vice President in charge of that department in 1963. He held this position until elected President in April of 1967. During World War II he was a B-17 pilot, was shot down over Schweinfurt and spent 19 months in a German prisoner-of-war camp. Between graduation from Michigan State University and employment with Northwestern Mutual he was with the National Farm Loan Association in Lansing and with the Federal Land Bank in St. Paul, Minnesota. An active participant in Milwaukee civic and community affairs, among other posts he has been general campaign chairman for the United Fund of Greater Milwaukee, member of the board of Columbia Hospital, Lawrence University and Cutler-Hammer, Inc.

PAUL W. BRIGGS

#### FRANCIS E. FERGUSON

### THE WHITE HOUSE

WASHINGTON

TO THE 1968 GRADUATING CLASS MICHIGAN STATE UNIVERSITY MAIN CAMPUS

Few moments equal the joy, the satisfaction, and the fulfillment of graduation. It is a personal and permanent victory, an honor to last a lifetime. To each of you I extend my sincere congratulations.

The time is past when our national interests could be served by a few who elected to make their country's affairs their own. The complexity of our age and the particular burden history has thrust upon us -- to preserve freedom where it exists and to foster it where it does not -- demands every American hand and every American heart. The greatest responsibility falls to those who have the most to give.

I cannot tell you the extent of America's influence in shaping the new order of world affairs -- though I believe it will be great.

I cannot measure our national ability to abolish ignorance and sickness and injustice wherever these ancient enemies degrade humanity -- though I believe it is limitless.

I cannot predict that America's future will match and exceed the brilliance of her past -- though I believe it will.

The answers will not come in my lifetime, but in the future -- your future. I am confident that you who have proved your ability to achieve, to endure, and to win, will serve that future with distinction.

# THE CANDIDATES FOR DEGREES

# 1968 CLASS ROSTER

This includes the names of candidates for degrees from June through August, 1968, excluding Summer Master and Doctoral Candidates.

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

MILTON E. MUELDER, DEAN

teins, Milk Lipids and Milk Dialyzate.

### CANDIDATES FOR THE DOCTORAL DEGREES

JOHN CHARLES ABELE, Ph.D.

JASWANT SINCH AULAKH, Ph.D.

B.A., Willamette University; M.S., Michigan State University. Physics. Major Professor: Frank J. Blatt, Professor. Thesis: Fermi Surface Studies of Aluminum and Dilute Aluminum-Magnesium Alloys Using the Magnetothermal Oscillation Technique.

B.S., B.V.S., A.H., Punjab University; M.S., South Dakota State University. Food Science. Major Professor: Charles M. Stine, Associate Professor. Thesis: A Study of Lipid Oxidation in Model Systems of Copper-Pro-

MUJIBUR R. BHUIYAH, Ph.D.

B.A., M.A., Dacca University. Agricultural Economics. Major Professor: Robert D. Stevens, Associate Professor. Thesis: Improved Planning and Changing Strategies for Agricultural Development in East Pakistan.

ROGER DUNCAN BLAIR, Ph.D.

B.A., M.A., Michigan State University. Economics. Major Professor: Charles E. Ferguson, Professor. Thesis: Inferior Inputs and External Effects.

DANIEL THOMAS BOGART, JR., Ph.D.

B.S., Fredonia State Teachers College; M.A., Columbia University. Music. Major Professor: R. Keith Stein, Professor. Thesis: A History of the Clarinet as an Orchestral Instrument From Inception to Full Acceptance Into the Woodwind Choir.

Frank Joe Bonello, Ph.D.	B.S., M.A., University of Detroit. Economics. Major Professor: William R. Russell, Professor. Thesis: The Term Structure of Interest Rates, the Expectations Hy- pothesis, and the Formulation of Expected Interest Rates.
VERA BOROSAGE, Ph.D.	B.S., M.A., Michigan State University. Education. Major Professor: Jean M. LaPere, Professor. Thesis: A Study of the Effect of Nursery School Experience on In- tellectual Performance at Two Socio-Economic Levels.
William Vern Brewer, Ph.D.	B.S., M.S., Michigan State University. Mechanical Engineering. Major Professor: George H. Martin, Asso- ciate Professor. Thesis: The Contribution of an Elastic Wall Support to the Deflections of a Thin Circular Plate.
Robert Charles Brook, Ed.D.	B.A., M.A., Ed.S., Michigan State University; B.D., Kenyon College. Education. Major Professor: Van C. Johnson, Associate Professor. Thesis: Self Concept Changes as a Function of Participation in Sensi- tivity Training as Measured by the Tennessee Self Concept Scale.
Edwin Francis Buck, Jr., Ph.D.	B.A., Emmanuel Missionary College; M.A., Andrews University. Speech and Theatre. Major Professor: Kenneth G. Hance, Professor. Thesis: A Study of the H. M. S. Richards Lectureship With Emphasis Upon Some of the Basic Elements of Persuasive Preaching.
Charlene Ann Carter, Ph.D.	B.A., Albion College; M.A., Michigan State University. Psychology. Major Professor: Albert I. Rabin, Professor. Thesis: Motivation for Parenthood and Parental Behavior as Perceived by Disturbed and Normal Children.
Morgan Dale Christensen, Ph.D.	B.S., M.S., Utah State University. Horticulture. Major Professor: Alvin L. Kenworthy, Professor. Thesis: A Study of the Nutritional Requirements For Sweet Cherry Trees.
Donald Robert Christenson, Ph.D.	B.S., M.S., Montana State University. Soil Science. Major Professor: Eugene C. Doll, Professor. Thesis: Magnesium Release and Uptake from Selected Michigan Soils.

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

B.A., M.A., Michigan State University. WAYNE HAROLD CHUBB, Ph.D. Education. Major Professor: William W. Farquhar, Professor. Thesis: Construct Validation of the Motive for Success as Interpreted by GSCI Test Scores and as Expressed in Behavior and Achievement Within the Classroom. B.A., Saint Marv's Seminary; M.A., University of Notre Dame. FREDERICK REESE CLARK, C.S.Sp., Ph.D. Education, Major Professor: Max R. Raines, Associate Professor. Thesis: The Functional Analysis of Conflict in Catholic Higher Education. B.A., Andrews University; M.A., Loma Linda University. DALE LEONARD CLAYTON, Ph.D. Zoology. Major Professor: Martin Balaban, Associate Professor. Thesis: Effects of Light-Dark Cycles on Development in Drosophila Melanogaster. B.S., University of Sao Paulo; M.S., Texas A & M University. ANIVALDO PEDRO COBRA, Ph.D. Agricultural Engineering. Major Professor: Sverker P. Persson, Associate Professor. Thesis: On the Mechanics of the Root-Soil System. B.S., Case Institute of Technology; M.A., Michigan State University. Psychology. Major Professor: John R. Hurley, Professor. EDWARD JOSEPH DALY, Ph.D. Thesis: Projected Sex-Blame and Religiosity in College Men. PATRICK JOHN DONOGHUE, Ph.D. B.S., University of Detroit; M.S., Michigan State University. Electrical Engineering. Major Professor: Richard C. Dubes, Associate Professor. Thesis: System Identification by Bayesian Learning. WILLIAM RAYMOND DOPHEIDE, Ph.D. B.S., Western Michigan University; M.S., Pennsylvania State University. Audiology and Speech Science. Major Professor: Herbert J. Oyer, Professor. Thesis: The Influence of Increased Durations of Speech Stimuli on the Recognition and Retention of Words by Aphasic Adults. RICHARD JOHN DUNN, Ph.D. B.S., Colorado State University; M.S., Iowa State University. Animal Husbandry. Major Professor: William T. Magee, Professor. Thesis: Genetic Parameters in Straightbred and Crossbred Beef Cattle

Populations.

Basil Ralph Eastwood, Ph.D.	B.S., Wisconsin State University; M.S., South Dakota State University. Dairy. Major Professor: Clinton E. Meadows, Professor. Thesis: Interactions of Sire with Maternal Grandsire in Michigan Holsteins.
Mildred Brinkmeier Erickson, Ph.D.	A.A., Hannibal LaGrange College; B.S., M.A., Northwestern University. Education. Major Professor: Richard L. Featherstone, Professor. Thesis: An Analysis of Selected Characteristics and Needs of Adult Undergraduate Students Attending Michigan State University Fall Term, 1966.
Ronald Andron Esposito, Ph.D.	B.A., M.S., Southern Illinois University. Education. Major Professor: William W. Farquhar, Professor. Thesis: Comparison of Teacher and Standardized Test Classification of Students as Under- and Over-Achievers.
James Donald Farley, Ph.D.	B.S., Illinois Wesleyan University; M.S., Michigan State University. Botany and Plant Pathology. Major Professor: John L. Lockwood, Professor. Thesis: The Effect of Pentachloronitrobenzene on the Soil Microflora.
RICHARD CORNWELL FLEMING, Ph.D.	A.B., Kalamazoo College; M.A., University of Kansas. Entomology. Major Professor: Roland L. Fischer, Professor. Thesis: Head Musculature of Sphinx Moths (Lepidoptera: Sphingidae).
Richard Franklyn Gertz, Ph.D.	B.S., M.A., Michigan State University. Entomology. Major Professor: Angus J. Howitt, Professor. Thesis: Stelidota Geminata (Coleoptera: Nitidulidae): Biology and Means of Control on Strawberries in Michigan.
Janice Mildred Glime, Ph.D.	B.S., Maryland State Teachers College; M.S., West Virginia University. Botany and Plant Pathology. Major Professor: William B. Drew, Pro- fessor. Thesis: Insect Communities Among Appalachian Mountain Stream Bryophytes.
Louis Paul Goodman, Ph.D.	B.S., Rutgers University; M.S., Michigan State University. Food Science. Major Professor: Leroy Dugan, Jr., Professor. Thesis: Sonication Studies on the Hydrolysis of Triglycerides and Egg Phospholipids by Lipolytic Enzymes.

JOHN FREDERICK GRASHOF, Ph.D.	B.S., M.B.A., Pennsylvania State University. Business Administration (Marketing). Major Professor: Bernard J. La Londe, Professor. Thesis: Information Management for Supermarket Chain Product Mix Decisions: A Simulation Experiment.
Barbara Neuroth Gusdorf, Ph.D.	A.B., University of Puerto Rico; M.A., Michigan State University. Comparative Literature. Major Professor: Russell B. Nye, Professor. Thesis: Concepts of Sainthood in the Novels of Albert Camus and Graham Greene.
Arthur James Hackett, Ph.D.	D.V.M., Ontario Veterinary College; M.S., University of Guelph. Dairy. Major Professor: Harold D. Hafs, Associate Professor. Thesis: Endocrine and Reproductive Changes During the Estrous Cycle of the Bovine.
James William Hannemann, Ph.D.	B.S., South Dakota State University; M.S., Cornell University. Education. Major Professor: O. Donald Meaders, Associate Professor. Thesis: The Effect of Auditory and Visual Motion Picture Descrip- tive Modalities in Teaching Perceptual-Motor Skills Used in the Grad- ing of Cereal Grains.
Mary Ruth Hardwick, Ph.D.	B.A., Oklahoma State University; M.F.A., Ohio University. Speech and Theatre. Major Professor: Sidney L. Berger, Assistant Professor. Thesis: The Nature of the Negro Hero in Serious American Drama 1910-1964.
Robert George Harris, Ph.D.	B.A., Michigan State University; M.S., U.S. Naval Postgraduate School. Education. Major Professor: Max S. Smith, Professor. Thesis: A Classification Model for Predicting Academic Performance for Master of Business Administration Students at Michigan State University.
Thomas Hamilton Hay, Ph.D.	B.A., Lawrence College. Anthropology. Major Professor: Charles C. Hughes, Professor. Thesis: Ojibwa Emotional Restraint and the Socialization Process.
Thomas John Hemmens, Ph.D.	B.A., University of Illinois; M.A., University of Arkansas. English. Major Professor: Sam S. Baskett, Professor. Thesis: The Plays of James A. Herne: Form and Formula.

Judith Elinore Taack Henderson, Ph.D.	B.A., Western Michigan University; M.A., Michigan State University. Education. Major Professor: Ted W. Ward, Professor. Thesis: An Investigation of Practitioner Evaluation and Agreement Regarding Effective Language Arts Instruction.
Dennis Larry Hogenson, Ed.D.	B.S., M.S., Mankato State College; M.A., Ed.S., University of Minnesota. Education. Major Professor: Donald A. Burke, Associate Professor. Thesis: An Investigation of the Relationships Among Aggressive Be- havior, Reading, and Dogmatism in Delinquent Boys.
Gerald LeRoy Jennings, Ph.D.	B.S., M.A., Ball State Teachers College. Education. Major Professor: C. Blair MacLean, Associate Professor. Thesis: The Role of Industrial Arts in the Achievement of Selected Objectives of Economic Efficiency as Perceived by Michigan Industrial Arts Teachers.
Edward Alden Johnson, Ph.D.	A.B., Antioch College; M.I.L.R., Cornell University. Business Administration (Management). Major Professor: Dalton E. McFarland, Professor. Thesis: A Comparative Study of Selected Problem Areas in the Ad- ministration of the Personnel Function in Small and Large Firms.
Robert Alexander Kaftan, Ph.D.	A.B., A.M., Loyola University. English. Major Professor: C. David Mead, Professor. Thesis: A Study of the Gothic Techniques in the Novels of Nathaniel Hawthorne.
Тномаз John Kakuk, Ph.D.	B.S., D.V.M., Michigan State University; M.S., University of Wisconsin. Pathology. Major Professor: Robert F. Langham, Professor. Thesis: Experimental Canine Malignant Lymphoma: Transmission Studies and Isolation of Canine Herpes Virus.
Howard Holbrook Kardatzke, Ph.D.	B.S., Anderson College; M.A., Indiana University. Social Science. Major Professor: Wilbur B. Brookover, Professor. Thesis: Cultural-Institutional and Teacher Influences Upon Social Studies Curriculum and Instruction: An Exploratory Study.
Janice M. Keil, Ph.D.	B.A., Monmouth College; M.A., University of Arkansas. Audiology and Speech Science. Major Professor: Herbert J. Oyer, Professor. Thesis: The Effects of Peripheral Visual Stimuli On Lipreading Per- formance.

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

ROBERT FRANKLIN KEITH, Ph.D.

B.S.A., Ontario Agricultural College; M.A., Michigan State University. Communication. Major Professor: Everett M. Rogers, Professor. Thesis: Information and Modernization: A Study of Eastern Nigerian Farmers.

TERENCE KENNETH KETT, Ph.D.

B.S., Northwestern University; M.S., Michigan State University. Chemical Engineering. Major Professor: Donald K. Anderson, Associate Professor. Thesis: Applications of Hydrodynamic Theory to Multicomponent Liquid Diffusion.

OKIFUMI KOMESU, Ph.D.

B.A., Muskingum College; M.A., Michigan State University. English. Major Professor: C. David Mead, Professor. Thesis: W. B. Yeats: Vision and Experience.

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

formance in Southern Michigan.

From Violations of the Sherman Act.

Salmonson, Professor.

B.S., National Taiwan University; M.F., Oregon State University. Forestry. Major Professor: Jonathan W. Wright, Professor.

Thesis: Geographic Variation and Evolutionary Trends of Ponderosa Pine, Limber-Border Pine, and Douglas-Fir, Based on Nursery Per-

Business Administration (Accounting). Major Professor: Roland F.

Thesis: Accounting and Reporting Problems of the Electrical Corporations and Utilities in Connection With Treble Damage Suits Arising

FAN HAO KUNG, Ph.D.

RICHARD CHARLES LARSON, Ph.D.

ED F. N. LORENZEN, Ph.D.

A.B., M.A., Colorado State College. Education. Major Professor: Robert O. Nolan, Associate Professor. Thesis: A Study of the Driver Records of California Public Secondary School Driver Instruction Teachers.

B.A., Antioch College; M.B.A., Michigan State University. Business Administration (Finance). Major Professor: Gardner M. Jones, Professor. Thesis: The Checkless Society: Its Cost Implications for the Firm.

JAMES IRVIN MCCLINTOCK, Ph.D.

WILLIAM HARRY MATEER, Ph.D.

B.A., University of Rochester; M.A., Michigan State University. English. Major Professor: Sam S. Baskett, Professor. Thesis: Jack London's Short Stories.

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# CANDIDATES FOR THE DOCTORAL DEGREES (Continued)

John Edward McCluskey, Ph.D.	B.S., Rutgers University; M.A., Columbia University. English. Major Professor: Russel B. Nye, Professor. Thesis: Realism and Romance in the Late Victorian Period: Literary Criticism in England and America.
Bernard Robert McDonald, Ph.D.	B.A., Park College; M.A., Kansas State University. Mathematics. Major Professor: Bonnie M. Stewart, Professor. Thesis: The Class Equation for Row-Equivalent Matrices Over a Principal Ideal Domain Modulo a.
Curtis C. Miller, Ph.D.	B.S., Iowa State University; M.S., Michigan State University. Dairy. Major Professor: John L. Gill, Associate Professor. Thesis: Genetic Consequences of Selection, Linkage, and Dominance in Small Simulated Populations.
PECCY LYNNE MILLER, Ph.D.	B.S., Unversity of Wisconsin; M.A., Michigan State University. Education. Major Professor: Charles A. Blackman, Professor. Thesis: Change Agent Strategies: A Study of the Michigan-Ohio Re- gional Educational Laboratory.
Fredric James Mortimore, Ph.D.	B.A., M.A., Michigan State University. Education. Major Professor: Cole S. Brembeck, Professor. Thesis: Diffusion of Educational Innovations in the Government Sec- ondary Schools of Thailand.
Donald Patrick Mullally, Ph.D.	A.B., M.A., University of Michigan. Speech and Theatre. Major Professors: Gordon L. Thomas, Professor, Walter B. Emery, Professor. Thesis: A Legislative, Administrative, and Judicial History of the Fairness Doctrine in Television and Radio Broadcasting.
Leo James Navin, Ph.D.	B.A., Saint Joseph's College; M.A., Michigan State University. Economics. Major Professor: Paul E. Smith, Associate Professor. Thesis: An Analysis of the Demand for Liquor in Michigan.
Donald Rolland Neuman, Ph.D.	B.S., North Central University; M.S., Illinois State University. Education Major Professor: Carl E. Thoreson Assistant Professor

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Thesis: Professional and Subprofessional Counselors Using Group Desensitization and Insight Procedures to Reduce Examination Anxiety.

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

RICHARD LEROY NORRIS, Ph.D.

B.S., M.S., Western Michigan University. Education. Major Professor: Max S. Smith, Professor. Thesis: A Study of Selected Institutional Factors and Their Relationship to Breadth of the College Transfer Curriculum in Missouri Public Junior Colleges.

WADE L. NUTTER, Ph.D.

B.S., M.S., Pennsylvania State University. Forestry. Major Professor: Donald P. White, Professor. Thesis: Hydrologic Properties of Several Upland Forest Humus Types in the Lake States Region.

RICHARD FAY PAIN, Ph.D.

B.A., Hofstra College; M.A., Michigan State University. Psychology. Major Professor: Theodore W. Forbes, Professor. Thesis: Brightness and Brightness Ratio as Factors in Attention Value.

HOWARD EUGENE PETTERSEN, Ph.D.

B.A., Whitman College; M.A., University of Minnesota. Physics. Major Professor: Egon A. Hiedemann, Research Professor. Thesis: The Strain-Optical Constants of Some Sodium Halides.

GEORGE EDWIN PINCHES, Ph.D.

JOHN HENRY PYLMAN, Ed.D.

B.S., M.B.A., Oklahoma State University. Business Administration (Finance). Major Professor: Roland I. Robinson, Professor. Thesis: Financing Corporate Mergers and Acquisitions with Convertible Preferred Stock.

A.B., Calvin College; M.A., University of Michigan. Education. Major Professor: Richard L. Featherstone, Professor. Thesis: Expectations of High School Principals and Relevant Others for the Role of High School Principals in Teacher-Board Negotiations.

SYED ATAUR RAHIM, Ph.D.

B.S., M.S., Dacca University. Communication. Major Professor: Everett M. Rogers, Professor. Thesis: Diffusion of Innovations in a Development System: A Study of Collected Adaption of Innovations by Village Cooperatives in Pakistan.

TANNIRU R. RAO, Ph.D.

M.A., Andhra University. Business Administration (Marketing). Major Professor: Jerome D. Herniter, Associate Professor. Thesis: Modelling Consumer's Purchase Behavior as a Stochastic Process.

# CANDIDATES FOR THE DOCTORAL DEGREES (Continued)

MARION LEROY REYNOLDS, Ed.D.	B.S., M.Ed., Ohio University; M.A., Eastern Michigan University. Education. Major Professor: Douglas Gilmore, Associate Professor. Thesis: A Program for Promoting Adaptive Behavior Skills in Train- able Mentally Retarded Boys Through Scouting.
Kenneth Earl Ripple, Ed.D.	B.S., La Crosse State College; M.Ed., Montana State University. Education. Major Professor: Clyde M. Campbell, Professor. Thesis: A Comparison of the Opinions of Adult Education Leaders and Employment Service Specialists Regarding the Relationship of Adult Education Programs to Employment Needs in Selected Urban Communities.
BRUCE GLENN ROGERS, Ph.D.	B.S., M.A., Arizona State University. Education. Major Professor: Robert L. Ebel, Professor. Thesis: The Prediction of Time Scores on Achievement Tests From Academic Variables.
Robert Stephen Rogowski, Ph.D.	B.S., Canisius College. Chemistry. Major Professor: Richard H. Schwendeman, Professor. Thesis: Microwave Spectra of Cis and Trans Acetaldoxime.
John William Schafer, Jr., Ph.D.	B.S., Michigan State University; M.S., Kansas State University. Soil Science. Major Professor: Henry D. Foth, Professor. Thesis: Nitrogen Carrier Induced Changes in Chemical, Mineralogical and Microbial Properties of a Sandy Loam Soil.
Stanley Sidney Schonbuch, Ph.D.	B.A., M.S.Ed., City College of New York. Psychology. Major Professor: Albert I. Rabin, Professor. Thesis: Primary Process Manifestations in Therapists Following a Psychotherapeutic Session.
Gary Leonard Seevers, Ph.D.	B.S., M.S., Michigan State University. Agricultural Economics. Major Professor: Dale E. Hathaway, Professor. Thesis: Resource Benefits and Costs of Food Aid: An Analysis of Indian Shipments.
Paul Clayton Shank, Ph.D.	B.M., Western Michigan University; M.A., Michigan State University. Education. Major Professor: Karl Hereford, Professor. Thesis: An Exploratory Investigation of the Inter-Relationships Among the Primary Elements Within the Rewards System, Position Require- ments and Position Satisfactions for Faculty in Six Colleges of Educa-

tion in Michigan.

Knox College.

Ministers.

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

JON MAX SHEPARD, Ph.D.

B.A., Georgetown University; M.A., University of Kentucky. Sociology. Major Professor: William A. Faunce, Professor. Thesis: Man-Machine Relationships, Attitudes Toward Work and Meanings in the Work Role.

PATRICK BYRNES SMITH, Ed.D.

B.A., M.A., Michigan State University. Education. Major Professor: Eldon R. Nonnamaker, Professor. Thesis: A Comparison of the Perceptions of Students, Parents, Faculty, Student Personnel Administrators, and Apartment Owners Concerning the Responsibility of the University Toward the Student's Off-Campus Living Situation.

B.A., Victoria University; B.D., Asbury Theological Seminary; M.Th.,

Education. Major Professor: Russell J. Kleis, Associate Professor. Thesis: Field Education Experiences as an Element in Theological Seminary Preparation for the Parish Ministry as Perceived by Parish

KENNETH LAVERN SNIDER, Ph.D.

HOWARD HENRY SPLETE, JR., Ph.D.

BENJAMIN E. SPRUNGER, Ph.D.

GARY W. STEINER, Ph.D.

B.A., St. Lawrence University; M.A., Syracuse University. Education. Major Professor: Norman R. Stewart, Associate Professor. Thesis: A Study of the Significant Elements of the Elementary School Counselor's Consultant Behavior as it Relates to Classroom Teachers.

B.S., M.A., Ball State University. Education. Major Professor: Norman R. Stewart, Associate Professor. Thesis: An Investigation of the Characteristics Which Differentiate Innovative from Non-Innovative College Student Personnel Programs.

B.S., M.S., University of Idaho. Botany and Plant Pathology. Major Professor: John L. Lockwood, Professor. Thesis: Soil Fungistasis: Sensitivity of Spores; Mechanism in Reinoculated Sterilized Soils.

ALDRED LYMAN STEVENS, Ph.D.

B.S., M.S., Michigan State University. Mechanics. Major Professor: Lawrence E. Malvern, Professor. Thesis: Wave Propagation in Prestrained Polyethylene Rods.

HON-HSIEH SU, Ph.D.

B.S., National Taiwan University; M.S., Utah State University. Civil Engineering. Major Professor: Robert K. L. Wen, Professor. Thesis: A Study on Flow Through Porous Medium.

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

B.A., Stanford University; M.A., Michigan State University. WORTH CARY SUMMERS, Ph.D. Sociology. Major Professor: William A. Faunce, Professor. Thesis: The Impact of Work Organizations on a Specific Discipline. ALBERT DAVID TALBOTT, Ph.D. B.S., Iowa State College; M.A., Michigan State University. Communication. Major Professor: Erwin P. Bettinghaus, Associate Professor. Thesis: A Study of the Generality of Dimensions of Source Evaluation. B.S., Northern Michigan University; M.A.T., Brown University. Roy Arvo Tassava, Ph.D. Zoology. Major Professor: Charles S. Thornton, Professor. Thesis: The Role of Pituitary Hormones in Limb Regeneration and Survival of the Adult Newt, Notophthalmus viridescens. B.A., LaVerne College; M.S., University of Southern California. CLIFFORD WILLIAM THOMAS, Ed.D. Education. Major Professor: Edward B. Blackman, Professor. Thesis: A Descriptive Study of Ministerial Education in the Wesleyan Church. JACK DUANE THORSEN, Ph.D. B.S., M.S., Northern Illinois University. Education. Major Professor: Richard C. Rank, Associate Professor. Thesis: The Relationship Between Counselor-Trainees' Perceptions of Filmed Client-Percept and Their Counseling Interview Behavior with Specific Clients. A.B., University of Michigan. DONALD ANDREW TOMALIA, Ph.D. Chemistry. Major Professor: Harold Hart, Professor. Thesis: NMR Examination of Cyclic Dialkoxy Carbonium Ions (1,3-Dioxolenium Ions). GILBERTO STEPHENSON TREVIÑO, Ph.D. D.V.M., M.S., Texas A & M University. Pathology. Major Professor: Charles K. Whitehair, Professor. Thesis: Pathologic Effects of the Venoms of Crotalus atrox and Naja naja in Pigs.

H. JOSEPH TRODAHL, Ph.D.

B.S., Moravian College; M.S., Michigan State University. Physics. Major Professor: Frank J. Blatt, Professor. Thesis: Quantum Oscillations in the Peltier Effect in Zinc.

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Paul Ja-Min Tsang, Ph.D.	B.S., Taipei Institute of Technology; M.S., Marquette University. Metallurgy. Major Professor: Chuan T. Wei, Professor. Thesis: Low-Temperature Specific Heats of Face-Centered Cubic Ruthenium-Rhodium and Rhodium-Palladium Alloys.
Jordan Alexander Tsolakides, Ph.D.	B.S., University of Thessaloniki, M.S., Michigan State University. Forest Products. Major Professor: Aubrey E. Wylie, Professor. Thesis: A Simulation Model for Log Yield Study.
David Irwin Van Blois, Ph.D.	<ul> <li>B.S., Lawrence Institute of Technology; M.B.A., Michigan State University.</li> <li>Business Administration (Marketing). Major Professor: W. J. E. Crissy, Professor.</li> <li>Thesis: The Automobile Salesman's Knowledge of the Product as a Determinant of Success in the Selling of Automobiles.</li> </ul>
Curtis Van Voorhees, Ed.D.	B.S., Western Michigan University; M.S., Northern Illinois University. Education. Major Professor: Richard L. Featherstone, Professor. Thesis: A Study of the Relationship Between Task Performance and Inner City Teacher Transfer.
Lyman Van Winkle, Jr., Ed.D.	A.B., Calvin College; M.A., Michigan State University. Education. Major Professor: Ted W. Ward, Professor. Thesis: Educational Effects of Instructional Procedures Differentiated in Terms of Selected Psychological Characteristics of Students.
Herbert Games Vaughan, Ph.D.	A.B., Earlham College; M.A., Michigan State University. Education. Major Professor: Cole S. Brembeck, Professor. Thesis: The American School of Guatemala and Its Relation to Guate- malan Education: A Descriptive Case Study.
David I. Verway, Ph.D.	B.A., University of Denver; M.A., Michigan State University. Economics. Major Professor: John P. Henderson, Professor. Thesis: An Analysis of the Determinants of Routine Personal Service Employment.
Rodney Dan Wierenga, Ph.D.	B.S., Calvin College; M.S., Michigan State University. Electrical Engineering. Major Professor: Herman E. Koenig, Professor. Thesis: The Human Operator as an Optimal Filter and Optimal Con- troller.

### CANDIDATES FOR THE DOCTORAL DEGREES (Continued)

JACK DUANE WILSON, Ph.D.

B.S., M.S., Michigan State University. Agricultural Engineering. Major Professor: Merle L. Esmay, Professor. Thesis: An Experimental Investigation of a Non-Isothermal Turbulent Wall Jet.

G. DOUGLAS WINGET, Ph.D.

A.M., M.A., Miami University. Botany and Plant Pathology. Major Professor: Norman E. Good, Professor. Thesis: The Inhibition of Photophosphorylation by Phlorizin and Closely Related Compounds.

DAVID KENNETH WINTER, Ph.D.

B.A., M.A., University of California. Sociology and Anthropology. Major Professor: John Useem, Professor. Thesis: American Professors in West Pakistan: A Study of Cross-Cultural Relations.

HENRY WILLIAM WOUDENBERG, Ph.D.

A.B., Calvin College; M.B.A., Western Reserve University. Economics. Major Professor: William R. Russell, Assistant Professor. Thesis: The Seasonal Effects of Federal Reserve Policy.

# EDUCATIONAL SPECIALIST DEGREE

ARLYNN D. ANDERSON, Ed.S.	B.S., M.E., Colorado State University. Education. Major Professor: O. Donald Meaders, Associate Professor.
LILY-DOLORES LABRAGUE BASILLA, Ed.S.	B.S.E., Philippine Women's University; M.Ed., University of Philippines. Education. Major Professor: Dale V. Alam, Assistant Professor.
BONNIE LEE BOLDT, Ed.S.	B.S., M.A., Western Michigan University. Education. Major Professor: Peter G. Haines, Professor.
DAVID LOUIS CHRISTENSEN, Ed.S.	B.A., Western Michigan University. Education. Major Professor: Stanley E. Hecker, Professor.
SHERYL LYNN DIEHL, Ed.S.	B.S., Miami University; M.A., Michigan State University. Education. Major Professor: William K. Durr, Professor.
Sam Dubow, Ed.S.	B.A., Ripon College; M.Ed., University of Minnesota. Education. Major Professor: John H. Suehr, Associate Professor.
Jack Henry Kaufman, Ed.S.	B.A., Bucknell University; M.A., Western Reserve University. Education. Major Professor: James E. Heald, Associate Professor.
PHYLLIS I. KELLY, Ed.S.	B.A., M.A., Eastern Michigan University. Education. Major Professor: George R. Myers, Professor.
Martha Elizabeth Keown, Ed.S.	B.A., M.A., Michigan State University. Education. Major Professor: William K. Durr, Professor.
HARRIET ANN MYER, Ed.S.	B.A., Albion College; M.A., Michigan State University. Education. Major Professor: William A. Mann, Professor.
PATTY COON RICE, Ed.S.	B.A., M.A., Michigan State University. Education. Major Professor: Donald H. Nickerson, Assistant Professor.
William Frederick Stewart, Ed.S.	B.A., M.A., Michigan State University. Education. Major Professor: William W. Joyce, Associate Professor.
Leslie W. Taner, Ed.S.	B.A., Paterson State College; M.A., Michigan State University. Education. Major Professor: William K. Durr, Professor.
JAMES WILLARD TOSSEY, Ed.S.	B.S., Wayne State University; M.A., University of Michigan. Education. Major Professor: John H. Suehr, Associate Professor.
ANDREW JAMES VERSLUIS, Ed.S.	A.B., Calvin College; M.A., Michigan State University. Education. Major Professor: Herbert C. Rudman, Professor.
BONITA MAY WILKINSON, Ed.S.	B.A., Butler University; M.A., Michigan State University. Education. Major Professor: William K. Durr, Professor.

# COLLEGE OF AGRICULTURE AND NATURAL RESOURCES

#### THOMAS K. COWDEN, DEAN

Agricultural Economics Gary Lee Benjamin James Ralston Cooper Sirion Hongsanand Yung-Chang Lee Michael Joseph Moran Richard Joseph Nanneman Sayed Hazrat Pasha

Animal Husbandry Michael Ernest Dikeman

Biochemistry Karen Emily DeFazio Frank J. Detterbeck Richard Edwin Jagger, Jr. Min Gee Kung

Cooperative Extension Education Gale Lynn Arent Carroll Davis Bailey Winston Ewart Bain Richard Albert Robinson

Crop Science Habibollah Fakhrai

Dairy Krishna Mohan Prasad Kenneth G. Wooden

DEGREE OF BACHELOR OF SCIENCE

DEGREE OF

OF SCIENCE

MASTER

Agricultural Business Jay Alan Hallead Milo Stanley Olson Ralph Edward Ruppert

Agricultural Economics H\*Daniel R. Drew Gerald Michael Frendt Robert Paul Jackson

H Honors College \* With Honor Fisheries and Wildlife Jack Deverick Bails Eugene Howard Buck Kenneth Edward Dodge Peter Greig Stewart

Food Science Anton Amon Renan Fontus William Joseph Gill Linda Sue Miller Gerard Anthony Reidy Fe Corazon Amagna Sunga

Forest Products and Packaging Leslie William Barton Michael Louis Dodick Bernard Eugene Fedewa Robert Christian Nielsen Stephen Russell Pierce Winton Albert Ross Stephen Paul Wolf Gerald Joseph Zboch

#### Forestry

Devendra Bahadur Amatya Kenneth John Stewart Bearlands Vendel Edmund Bosman Richard Garwood Burns

\*Leo Charles Mulholland Richard R. Thompson

#### Agricultural Mechanization

Roger William Maples Jay LaVerne McCaman Robert William Scott Emmett Allen Shields Dan Henry Farnsworth Eric Hugh Hiscock Wayne Eugene Humbert Thomas Preston Lennon William M. Palmer Michael John Solomon Augusto Elias Zambrano

Horticulture James Lyle Corfield John Frederick Schwartz

Resource Development Paul Raymond Fiske Michael Dale Freed Robert Henry Gurnham Frederick Thomas Kacprzynski James Edward Oakwood Laurence Alfred Schenk Thaveep Thaveepanich

Soil Science Eugene Grennan James William Timmerman

DEGREE RECOMMENDED JOINTLY WITH THE COLLEGE OF ENGINEERING

Agricultural Engineering David M. Farmer

#### Animal Husbandry

Rodolfo Federico Bahr L. Edward John Fatchett Phillip Dell Haines Theodore Leland Lamb James Michael Mayes Thomas Harold Reed Richard Ernest Rohrer Philip Wayne Rottman

## COLLEGE OF AGRICULTURE AND NATURAL RESOURCES

Animal Husbandry (Continued) David John Sollitt \*Steven Mark Swiontkowski Robert Eugene Tomlinson Stephen Everett Woodruff Norris Clifford Young

Building Construction \*Paul Eugene Bartlett Edward W. Cicero David Lee Gebert Bill Elwood Glaysher Howard John Hoover Dale Lee Hornburg Daniel John Patrick Barry Lee Smith

Crop Science Donald Everett Chute, Jr. Marvin Leon Curless Louis Jay Haveman Kenneth Lee Isley Jerrell Lynn Lemunyon Lawrence Bradley Weaver

#### Dairy

Thomas Earle Clegg James Michael Huber \* Keith Edwin Iseler Judith Lynne Linebaugh \*Robert Owen McDowell Leo Thomas Niemi Roger Arthur Post Lynn Wayne Robbins Steven Ace Rymal Charles Marion Smith \*G. Edward Smith

Fisheries and Wildlife Gerald David Albrecht \*Claude Davison Ankney Theodore James Baran John Kenneth Bishop H\*\*Robert James Blohm Melvin Dale Bonham \*\*Dorance Charles Brege Gary Kenneth Clone Wayne Brian Daniels **Ronald James Field** Frederic Marty Fregerio James Reuben Hartmann John Thomas Hutton Ronald Glen King Robert James Kochinski Jean Paul Lagasse Jon Joseph Lauer Douglas Frederick Machugh \*Thomas Edward Mears \*Kenton Lee Palmer **Dennis Bruce Parshall** Harvey Albert Pearson, Ir. Charles Henry Pecor **Raymond** Perez Michael Wayne Prater

H Honors College \* With Honor \*\* With High Honor Lanny Warner Reed \*Lynn Leroy Rogers John Douglas Schrouder John M. Shauver Richard John Sikkenga David Warren Smith Gary Sparbel Harold Arthur Steketee, Jr. Ralph Howard Stern James Allen Supej Dennis Alan Thorpe David F. Tinsey Donald Robert Wallace Thomas Edwin Wasson Mark Richard Wuerthele Dennis Brian Zawol

Food Science \*Robert Arthur Dowd Ralph Allan Jayne Patricia Ann Orsay \*\*Karen A. Petersmarck \*John T. Stout Robert Frank Talmage H\*\*Timothy Lee Thar William Allan Vitner

Forestry

Richard Lee Cooper Earl Elden Davis Lee Earl Evison \*Robert Peter Holowecky Richard James Johnston Jack Gayle Koschnick Ronald Fred Lundamo \*Jerry Lewis Martin John Edward McCoy \*Robert Brantley McCey Michael Perry Nichols John Hugo Preuss Paul Samuel Robey John P. Shepard Ronald Lane Wilson William Charles Wismont

Horticulture Marketing John C. Cosgrove Wallace Carl Thomsen

Horticulture Science Terry Leore Bates Bobbie G. Duncan \*\*James Albert Flore Duane Lee Frens \*Dennis Dean Goodharline George Alan Houk Kenneth Edward Rentschler \*Ronald Kenneth Van Dragt Laurence Owen Van Dyke H\*\*Vernon Arie Wittenbach

> Lumber and Building Materials Marketing Henry Jay Cornell Arnold Bruce Fruman

#### Packaging

James Robert Adamski Gregory Charles Akin Sanford Preston Ames Ierrold D. Angst William Richardson Armstrong James Darrell Ashley Frederick Newell Beckwith John Eilers Beeskow William James Carlson Patricia Eugenia Carr Richard Vincent Champagne Robert Henry Cohen Daniel Ray Craven Joseph Michael D'amico David Roy Danville F. Timothy Dean William Burle Draper, III Allen Hobart Dunkelberg Roy Joseph Femenella Richard Donald Fleming Robert Donald George William Victor Gillmore Lawrence Michael Goodell Ralph Edward Grady George Edward Gross Edward Dwight Haake James Douglas Hagen Marty Hain Thomas A. Hankins \*Robert Edwin Hansen George Michael Heidt Evert Edward Heliste Walter Clyde Hodges Steven Harlow Hoskins Arthur Leland Jerome Glenn Russell Johnson Jeffrey Curtis Kanouse Ralph L. Krueger John Stanley Kusiak Larry O. Laitner Nigel Lynn Lee Ross Warren Mast Thomas Lee McCaffrey Alan Kenneth McDonnell \*George Delvia Mercer Victor J. Merritt Jon Terence Mildenberg Kenneth Jerome Miller H\*\*Max Dunham Miller H\*\*James Albert Monton James Clyde Narmore Larry Jon Nielsen Todd Arthur Noeske David Allen Overbeek Robert Woodrow Palmer, Jr. Martin Alex Panchula James William Parker Nickolas Perun Allen Andrew Phillips

Ivan Guy Pixler, Jr. Charles Anthony Reuter Wilfred Eugene Riddell Anthony Joseph Russo Dennis Thomas Sax

DEGREE OF BACHELOR OF SCIENCE

## COLLEGE OF AGRICULTURE AND NATURAL RESOURCES

DEGREE OF BACHELOR OF SCIENCE

Packaging (Continued) Gary Joseph Schafer James Heseltine Scheef Larry Gordon Schilling Paul Roy Schmidt Robert Paul Schubert Donel Wadsworth Scott Dennis Lee Shaffer **Richard Lawrence** Sheehan, Jr. Richard Carl Sigelko Lloyd F. Simpson Gary Lee Smith **James Otis Smith** Michael Lee Smith **Richard George Sporte** Elwood Lamar Stokesbury Lynn Allen Sylvester Donald J. Theeuwes \*\*Ronald Robert Trierweiler Lawrence Clyde Van Tol Alvin Rudolf Voss **Richard Daniel Wright** Nicholas E. Yacobucci William Michael Yadlosky **Dennis Eugene Young** Richard Walter Zelinski

Park Management James Lester Bassett Frederick Earl Hagen Robert Walter Terrell

Poultry Science Caryn Margaret Donahue Bernard Paul Penzien Ronald James Salswedel

Resource Development Peter Vincent McAvoy H\*\*Andrea Kay Myers

> Soil Science Robert Norris Carrow Paul Gale Corder Richard Harry Ferris Lynn Robert Harvey William Charles Kuechenmeister

Wood Processing and Technology Richard Robert Harrison

DEGREE RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

Agricultural Education Clifford Lewis Allen John Frank Areklet Kenneth A. Bollinger Darrel Scott Brood James Harold Goebel Keith Alan Greenwald George Allan Hubka John William Jess Kenneth Roland Kernstock James Paul LeCureaux Roger Dean Merillat Charles Allan Preston Peter Francis Siler William Bernard Stewart, Jr.

Dairy

Joseph Richard Shaltry Douglas Bruce Spike

Fisheries and Wildlife Arthur Clarence Durow Michael Peter Gehoski Gerard Anthony Sgro Larry James Stauffer

Horticulture Science Frank Edward Klackle

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# COLLEGE OF ENGINEERING

#### LAWRENCE W. VON TERSCH, DEAN

DEGREE OF

MASTER

OF SCIENCE

DEGREE OF BACHELOR OF SCIENCE Chemical Engineering Jesse H. Chen Yale Stewart Finkle Michael James Johnson Michael Joseph Anthony Lobo Sunil Murgai Lawrence Thomas Novak

**Civil** Engineering **Richard Paul Christensen** Fereydoon Fred Farhoomand Manouchehr Farnoush David Clemens Kloeckner Robert William Laza

Chemical Engineering Gary S. Balint George Howard Balthrop Robert W. Burns, Jr. John Howard Cameron Alfred Robert Dixon, Jr. Carl Louis English **Thomas Richard Eurich** James Arland Hammond John Paul Harmon H\*\*William Ashley Heath

- \*Karl Arthur Hoenke Khosrow Khavarimanesh \*William Cary Kilner Leland Ray Klink James Kenneth Larson
- \*Roger P. Manfrom Henry Laurence Mason
- H\*\*Ivan Douglas McCrum Ivan Ross Peterson \*Richard Victor Pisarczyk **Ronald Patrick Romaine** John Paul Simmons II William Andrew Simons Michael William Spomer H\*\*William Edward Walker
- William Charles Wenk Daniel Jon Wyckoff Barry Richard Zadigian

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**Richard Peter Smolek** 

Electrical Engineering Walter Bury Geoffrey William Gates Thomas Peter Hochkeppel **Thomas Davis Linton** Garth Lee Maxam Krishnasamy Natarajan Ronald Joseph Richter P. S. Sengottalyan Stephen Albert Strong

Mechanical Engineering Joseph Harold Gill

**Civil** Engineering Charles Howard Albright Daniel Joseph Badaluco Richard Gordon Blakeslee

- David G. Card \*Robert Eugene Carpenter Frank E. Epple Paul Edward King George Edward Kucera, Jr. John Francis Lodzinski James Everett Miller Timothy Lee Moore Douglas Elias Morgan
- H\*James Robert Murner William Coe Otwell, Jr. Delwin Lee Redder \*Robert Daniel Reish Daniel M. Reppuhn
- **Russell Lee Rosier** Richard Andrew Sage Roger Milton Schultz \*Wesley Raymond Shooks, Jr.
- Haldon Edward Smith William Carl Stuenkel Terry Richard Taylor Thomas Chester Taylor Ronald Lloyd Wiker

Thomas Adolph Heppenheimer Frank William Timte Ajit Keshav Tipnis Roger William Wells

Mechanics Eugene Lawrence Marvin

Metallurgy Stephen Lloyd Anderson Maĥendra Kumar Bapna Roy Carl Lueth Yang-Pei Soong

**Computer** Science

- Michael David Bucher \*\*Allen Michael Fels
- John Helmer Fowler, Jr. H\*\*John Arthur Griffin
  - Joan Mary Smith Bret Jay Sutton John Robert Wolff

Electrical Engineering

- H\*\*Robert Carl Ahlgren Robert George Baker, Jr. Frederick James Ball \*\*Paul Eugene Bauhahn Brian John Benzar \*Phillip Richard Bird Robert Kent Boatman
- H\*\*Robert Karl Braden Richard Eugene Brown \*\*Tze Tzong Chen
- H\*Donald Paul Clements James Hubbard Cotton, Jr. Harvey Douglas Dahljelm H\*Edward Arnold Davis
- H\*Nicholas Matthew Esser, Ir.
- Steven Richard Farrell
- \*Dennis Truman Faulkner Dean Carl Fehn

\*\*George Haumann Fergus

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## COLLEGE OF ENGINEERING

#### Electrical Engineering (Continued)

- H\*\*Robert Joseph Fieg Wade Jon Fletcher James Edmond Frost Harbans Singh Gill Stephen James Girod
- H\*Brian Goluska **Richard Hahin**
- \*\*Robert James Herrick \*Ronald Earl Hoffman Alan Joseph Janicek Robert Charles Kaatz Kenneth Ray Kalka David Alan Kiesling Philip Joseph Kiley John Frederick Kline James William Kolp Edward Verne Labudde
- H\*\*George Edward Lahti Archie Christopher Lamb
  - Dale Frederick Medendorp H\*Gregory William Moravan \*David Charles Morgan
  - H\*Jasper Ellsworth Norris, III John Howard Olsen Lawrence Richard Paggeot Herbert Andrew Palmer Wesley Robert Pauls, Jr. Paul Edward Piwowarski
- H\*\*William Herbert Planer, Jr. **James** Predko \*Ronald Kurt Pryzma Gary James Robbins
  - \*Charles Larry Roche Gary John Romans
  - \*\*David Roger Ruddick Roger Frederick Ruehs Richard Albert Salo Alan Ross Sanderson \*Gary Alan Schaner Peter Merle Schwinn
  - William George Scott \*Robert Ernest Segedi Terry Jay Shadduck Karl P. Siwek Steve Patrick Slifko Gerald Thomas Smith
  - \*\*Ronald Lynn Smith

- \*Thomas W. Smith H\*\*William Theodore Szalay Junius Edward Taylor
- H\*\*Alan Larry Throop \*Gerrit VandeKemp \*John Joseph Wallace Raymond Joseph Weber Wavne E. Weston Jack Arthur Willbur
- Clifford Wayne Wilson H\*\*Paul Arthur Wolfgram Edward Joseph Zawlocki

#### Mechanical Engineering

**Robert Stephen Arcaris** 

- H° \*Gary Dean Bainbridge H\*\*Charles Franklyn Bartholomew Jerome Tobias Bock Paul Maurice Breakey Michael Lee Chojnowski Larry Richard Christiansen Ronald P. Diehl Bernard Jay Donkerbrook, Jr. Michael Vern Dube
- \*David Jeffrey Eaton H\* \*Richard Hunt Estry
- Paul Richard Fairbanks H<sup>\*\*</sup>William Louis Fedewa Michael Fellberg Keith William Gifford Charles Gary Gilmore Thomas Edward Hanawalt Malcolm Ray Harbour Richard Allen Harlow
- H\*\*Thomas Arthur Havel Harold Paul Hilbert Grady Donald Jones Richard H. Karbowski Craig Glenn Kemler Charles William Kitchka Theodore John Kusmierski, II William Kenneth Langhorst H\* Fredrick Raymond Nelson Bruce Frank Oates John Edward Oleniczak
- H\*\*Thomas Joseph Overcamp Robert Paul Pappoff

Donny Burchel Paul Victor Wildern Porter John Andrew Raisanen Terry Lee Satchell Shamseddin Shahid Saless Gregory Dimitri Soloko

- \*James Stanley Sosnouski H\*\*Robert Donald Spooner Allan Jordan Spring Gilbert Tamaji Takahashi Raymond Jack Townsend Tom Angelo Turnas Michael Albert Vernier James Richard Wadin
  - \*Flint Clyde Watt, Jr. Fredrick Henry Wirth Alan Neil Wright \*Douglas Alexander Young
  - William John Zabritski Dennis Zamplas

#### Metallurgy

- Bruce Edward Anderson \*Jonathan Dahlem Black Frederick Thomas Burton Henry Steven DeRvke Robert Eugene Fisher Chester Nicholas Grant
- \*Robert Charles Hoersch
- \*Thomas Sbarra \*Richard Edward Schafer Jerald John Veydt

Systems Science Thomas Henry Burleson, Ir.

DEGREE RECOMMENDED **IOINTLY WITH THE** COLLEGE OF AGRICULTURE AND NATURAL RESOURCES

Agricultural Engineering John Gibson Chamberlin Dean Alan Denman Robert Frederick Mrozek Maynard Dean Munson Richard Harry Robinson \*Gerald Lee Wilson

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DEGREE OF

BACHELOR

OF SCIENCE

## COLLEGE OF HOME ECONOMICS

#### JEANNETTE A. LEE, DEAN

DEGREE OF MASTER OF ARTS

DEGREE OF MASTER

OF SCIENCE

DEGREE OF BACHELOR OF SCIENCE Child Development Phyllis Fehlmann Newman Frances Arkis Yelon

Education for Home and Family Living Patricia Tanner Nelson Pauline Buss Schaffer

Carolyn Marie Anderson

Elizabeth Miller Davey

**Onolee** Jane Franks

Home Management Nancy McClain Bean Mary Ellen Benedict Janice Lee Heckroth Manette McKinney Smith

Related Arts Janice Martin Pletcher

General Home Economics Phyllis Corrine Fratzke

Institution Administration Mary Ann Boyle Gisele Charlebois Nutrition Adeola Mojirade Abaelu

Textiles and Clothing

**Julie Claire Horvath** 

Nancy Gail Trexler

Effie Hewitt Hacklander

Patricia Jeanne Murphy

Community Services Jo McTiver Sharp

#### Dietetics

Foods

Pamela Sue Bennin \*\*Carol Louise Blades Margaret Josephine Chojnowski Therese Ann Dolecek Pamela Mary Ferguson H\*\*Deborah Greenwald \*Robin Elizabeth Hirchert Linda Jane Knowles Beth Marie Kretschmar Ruth Ellen Maul Linda Marie Mikolowski Jeanne Marie Miller Nancy Lee Nelson H\*Rosemary Cecile Ryan \*\*Gail Judith Secor Naomi Shimoda Kathryn Ann Stoutenburg Elizabeth Gordon Stuart \*Carol Lynn Thurston Kathleen Gail Westman

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General Clothing and Textiles Mary Margaret Christensen Avis Ann Daly Marjory Ann McPherson Cathleen Elizabeth Ritter

General Home Economics Rosalyn Marie Brozek Judy Mae Coffield Suzanne Cook H\*\*Charlene Jerilyn Duch Margaret Susan Jones Patricia Helen Murphy Gloria Rae Pleasant Kay Sandra Ridinger Cheryl Lawton Schafer Sandra Jean Stutzman Home Economics Extension \*Patricia Sue Gilmore

Home Economics with Communication Arts Constance Elizabeth Hill

Interior Design Lucy Mimna Anders Suzanne Marie Angell Mariorie Louise Austin Ann Bauman Bishop Bonita Rae Brody Margaret Lynn Casto \*Carol Ann Charlton Sharon Ann Chatham Linda Kay Collins Lauren Lee Connard James Wayne Corbett Marilyn Louise Cromwell Cynthia Jane Daverman Joan Lee Duval Mary Lynne Graham Marsha Lee Green

## COLLEGE OF HOME ECONOMICS

Interior Design (Continued) Cindy Dale Hill

H\*Beth Ann Howe Karin Ann Klepac Susan Terry Mallett Deborah Lee Martin Nancy Ruth Martin Margaret Louise McCort Toni Michal Caryl Jane Miller Ann Carlton Norton **Jill Hope Read** Carolyn Sue Ruggles Barbara Carol Scharf Jane Adrienne Shimmin Barbara Joan Solowe \*Sally Wood Stewart Suzanne Marie Swanson Daughn Laurie VanRiper Karen Kathryn Virgil Carol Ann Waara Patricia D. Walker **Judith Anne Woods** 

Retailing of Textiles and Clothing Linda Yvonne Beebe Barbara Louise Bell Marilyn Joyce Berger Roberta Suzanne Blundell \*Michele Barron Buelow Mary Gene Burkert

DEGREE OF

BACHELOR

OF SCIENCE

Vivian Ann Canty Nancy Jean Carnahan Carole Marie Chaps Gerry Lynn Crilly \*Helen Kronauge Curtis Jeanne Marie Czarnecki Martha Ann Daly Linda Jane Evans Christine Lee Garwood Roberta Carol Harms \*Erna Carolyn Hassell Mary Margaret Hoy

- Barbara Kathleen Hughes H\*\*Kathleen Jean Kregoski Gretta Del Lee \*Audrey Wilma Liefer
- Jeanne Marie Manley H\*\*Gail Pettinga Martin Arlene Carol Mashue **Rosemary Ruth McPheeters** Sue Lisbeth Millies Terry Joseph Mitter Ann Marie Moltzau Judith Lynn Moore Diane Lynn Neidbalson Suzanne Jean Norwalk \*Mary Beth Olding \*Sharon Kay Oleson
- H\*\*Cheryl A. Plumer Cherie Joy Riddle

Karen Kathleen Rigby Georgean Lynn Ringland Barbara Lynn Zbiegniewicz Roberts Paula Springer Claudia May Stanczyk Judith Lynn Sterling Terry Ann Stewart Ann Christine Susalla \*Pamela Jean Taglioli Patricia Arlene Thomas Barbara Jane Tibbetts Priscilla Mary Tobey Nancy Ellen Whipple Mary Ann Wilber Marjorie Kay Wing

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

Child Development and Teaching Dee Ellen Albee \*Carole Iane Baiers Catherine Burns Nancy Virginia Carter

- \*\*Diane Dickinson Kathryn Ray Docksey Viola Ann Grimshaw Iulie Ann Henderson Joan Rae Hoevenair Kathy Lynn King Bette Johnson Munger \*Kirsten Ravn Nelson Jane Pamela Old
- H\*\*Katherine Ann Richter Janet Elizabeth Shimmick Connie Lou Smith Susan Jane Storch Gretchen Irene Westphal Carol Ann Winters

Home Economics Teaching Susan Jane Alexander Sharon Lois Bell Janet R. Blackford Susan Ann Bouwkamp \*\*Laura Jean Cheyne

- Marjorie Lou Church Cathleen Lee Clark Shirley Ann Cook Sue Ann Costello Jacquelyn Yvonne Cross Mary Elaine Daniel
- Marjorie Ann DeBlaay Dona Leah DeSantis Libbie Christine Duprey Sarah Elizabeth Eveleth Patricia Jo Farley \*Betty Ann Friedel Shirley Louise Gebhart

- \*Pamela Sue Gever
- \*Judith Mitchell Gillispie
- Mary Jeanne Gingell \*Kay Louise Gremel
- Nancy Lee Gustafson \*Marthadawn Hartel
- \*Chervl Ann Henes Gretchen Grace Hoerle Fredricka Ann Hoxie
- \*\*Nancy Irene Hungerford Marie Christina Jack Marsha Claire Jennings
- \*\*Lorana Antoinette Jinkerson Sandra Lynn Joyner \*Sheila Diane Keith

Candice Ann Kelly Barbara Ellen Kenney Carol Ann Labardee Vivian Helen Logan Kay Patrice Ludwig

- \*Francine Deanna Malane Carolyn Frances Malaski Karen Knapp Mathews Madge Krene Mazel Nancy Kay Merrick Linnoah Edith Miles Marilyn Jo Moody
- \*\*Cherilyn Neil Nelson Karen Louise Petersen \*Esther Kristine Peterson Nina Mia Piazza Sandra Corinne Porter Mary Louise Quilter Karen Elaine Rachow Susan B. Ranson Jeanne Marie Rathbun Susan Helen Rathbun Judith Jean Regeczi Mary Ann Reurink Jane Kaye Ross Rill Rowett Rosanell Rowland Marilyn Barbara Schwartz Suzanne Irene Shenk Cheryl Lee Smatlak Barbara Dendel Sober Sally Lynn Sours Sandra Reid Spike Claire Louise Stenehjem Geneva Kirk Stepp \*Sandra Lynn Stoeckle Claire Diane Sturdy Marcia Ann Tucker M. Ruth Voller Suzanne Virginia Wagner Susan Jean Walker Elizabeth Ann White Linda Kalbfleisch Willer Sharon Ann Wokas Ianice Ann Wood Judith Ann Wver \*Judith Ellen Zirnhelt

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# COLLEGE OF VETERINARY MEDICINE

#### WILLIS W. ARMISTEAD, DEAN

DEGREE OF DOCTOR OF VETERINARY MEDICINE

DEGREE OF MASTER OF SCIENCE

DEGREE OF BACHELOR OF SCIENCE Karen Lee Anderson Peter Wentworth Beeman Douglas James Brooks David Laurence Burghard Thomas Clark Candee Irene Mary Chmielewski Cheryl Lynn Chrisman Susan Laureda Coulter Alan Bruce Dubowy Andrew Steven Dworkis David Ray Forbush James George Fordyce \*Ronald Herbert Gosse

Anatomy Terrence Ellwood Mohrman

Medical Technology Brenda Marylin Benzar Carol Ann Bolier \*Rosemarie P. Daniels \*Carole Ann Filbert Nancy Louise Frei Bruce Alan Gardner Karla D. Goodale Janice Elaine Hoffman Susan Kay Johnson \*Nancy Marie Kipp Vera Anatol Kiriczenko Juanita Ione Kirsch Linda Dawn Kocic

Denise Susan Locke Margaret Ballard Lunde \*Leslie Jean McAllister Laurie Ann McKee Toni G. Megas Robert Michael Melmoth Jane Lucille Mieras Thomas Lee Neumann Judith Ann Noel Patricia Jean Pennels

\* With Honor \*\* With High Honor John R. Hanover \*John Edward Harkness Hylon John Heaton, III \*John Edgar Henton Richard Manning Hirr Gerald Lee Johnson \*Joffrey David Johnson

\* Jeffrey David Johnson Kenneth Bruce Johnson \* William James Kelch Edward Turner Lewis David Eli Lipton Frank Ellis Longley \* Albert William Lynch, Jr.

Pathology Mba Uzoukwu

Nancy Louise Pfau Richard Dean Quackenbush Carma Lee Rippee Judy Am Schmidt \*Marcia Ann Scott Linda Joyce Shoemaker Alison Susan Taylor Timothy Rexer Tupper Anne West Wightman

Veterinary Medicine Mark John Bash Mary K. Blommer Dennis Arthur Boelter Roman Oleh Bohonowych \*\*Linda Emily Brown Joe Dale Burek Donald Burroughs Margaret Ann Chapel William Alan Curtis \*Thomas Gerald Depuydt Kenneth George Eshelman David Ray Forbush \*\*Michael Leo Furcolow, Jr.

- Nancy Norris Padover
   Susan Marjorie Rabaut Richard Paul Reid Robert Charles Rosenthal Sheryl K. Schwegler
   Scott Carl Seely
- \*John Paull Sharon
- \* Marianne Eileen Shirk

   H. Gregg Smith
   Lynne Christine Weaver

   \* Robert Douglas Whipple Randy Lee Wysong

Veterinary Surgery and Medicine George Ernest Eyster

Steven Jay Ginsberg Robert Michael Goldman Carolyn Irene Granke Hylon John Heaton, III

- \*\*William Dane Jaxtheimer Robert Dean Kirkland
- \*Dale Franklin McKenzie \*Ellen Mitoma
- Michael Allan O'Boyle Ernest Ifechuku Okeke \*Phillip A. Randall
- \*\*Christine Cecilia Ratke
- \*Emery August Santerre, Jr. Douglas Patterson Schank Roger Lawson Sell
- \*Karen Ann Sleeper Val D. Stuve Martin Cesar Torres Rodger Allan VanderWerff Michael Perrin Warren Gary Ross Willwerth Harlan Andrew Witt James Russell Wright Kathleen A. Yaros

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## COLLEGE OF BUSINESS

ALFRED W. SEELYE, DEAN

DEGREE OF MASTER OF ARTS

DEGREE OF

MASTER OF

ADMINISTRATION

BUSINESS

Economics Leonard Herbert Burres Anisia Daltro Dasilva Paul Fredericq Dickens, III William Pierce Goodrich, Jr. Phillip Warren Johnson Michael George Kazimir, Jr. Charles Thomas Lund Craig Robert MacPhee Ikedi Enechwu Odumodu Vernon Kent Smith

#### GRADUATE SCHOOL OF BUSINESS ADMINISTRATION

Ramon John Aldag Lewis Brian Ambron Thomas Edward Ashton Wyrth Spencer Baker Vincent Barion James Lawrence Beukema John Edward Bickel, III Henry John Brolick James Harley Brown Warren Charles Brown John Hector Carmichael Gordon Haviland Cornwell Les Mark Coval **Richard Lawrence Cramer** James Joseph Cudahy William Kenneth Cutler James Lawrence Daenzer Michael Scott Duetting Raymond Joseph Dunn, III Patrick Michael Dunne Enefiok Esienudo Essien Thomas LeRoy Faunce Richard Edmund Flanigan Stephen Harry Fletcher Daniel William Foy, Jr. Thomas Edgar Franklin Kenneth Robert Fuller Robert A. Giles Clifford Helm Graves Leon D. Greenwood Bernard Laurent Grenier Roger Vanderbilt Grimes Malcolm Douglas Hamilton David Stewart Hammond Roger John Hermsen Paul Irven Hiller Christopher Crombiz Howard Willard Marson Hughen John Julius Imre

Tsunetaka Irei Donald William Jackson, Jr. Chakrapani Gajanan Jambotkar Rodney Keith Johnson L. Philip Kelly Gregory Mark Kemp Chang Woong Kim Yun Ki Kim Frank Eldon Klemm Jay Patrick Knapp Hiroshi Konishi Donald Craig Korsmeier Kenneth Jay Kuipers Merrick William Leckey John Luther Leonardson Robert Paul Levesque Bernard Levitt Roy Herbert Link Leonard M. Linton Wayne Albert Luchenbill Richard Floyd Luxton John David Mackey Frank Martinez-Ugueto Decio Pereira de Matos William Charles McAlary John Michael McBride James Ross McClain William Lewis McVey Kenneth Nixon Meek, Jr. Suresh Kumar Mehra Nevin W. Meyer Lawrence Arthur Mills Kanji Miyamoto Junichi Moroo Michael Franklin Morris Paul Steven Mulder **Richard Arnold Musolf** 

Calvin L. Myers **James Edward Nord** R. Thomas Ossman George Harvey Ostrander Priscilla Ann Overman Robert L. Ozment Carl Robert Patterson Christopher Pavlides Dale John Peterson Clarence Albert Phillips Robert Franzen Plante **Robert Anthony Plebanek** George Richard Prince Argeo Tomás Quiñones-Droz William Christie Ramsay Michael James Reed Max H. Reindl Thomas Joseph Roach Richard Thomas Rogers Paul Douglas Rompf Joseph Peter Ruppe, Jr. Edward Linus Schrems Stephen Ross Schubert Pravinchandra Manilal Shah Ronald Lee Stanke Alvin Duane Swanson Toichi Takenaka Ira Stuart Theodore Lawrence Russell Thomas Louis Mario Tremonti Gurdial Singh Uppal Morey Joe Villareal Aroonluck Vithyavijin Stephen Drake Welpott Emilio Tourinho Wildberger James Linder Williams Keith Lee Witwer William L. Wolf

### COLLEGE OF BUSINESS

DEGREE OF MASTER OF BUSINESS ADMINISTRATION

DEGREE OF

BACHELOR

OF ARTS

Advanced Management Program Hulki Aldikacti Irving Appelblatt Eugene Bego Walter J. Cattin Max E. Cawley Donald W. Clark William T. Collins John A. Cooper Robert E. Cummer James R. Cypher J. Harry Douma Edward D. DuCharme Edward R. Finan James W. Fisher Howard E. Geldhof Melvin E. Green Alvin T. Hanson, Jr. Donald E. Helland John D. Hemmler Raymond H. Jahns John E. Kenealy Martin A. Kreger Robert H. Ladewig James M. Lane Alexander C. McKeen David M. McKercher Edward W. McKullen Robert R. Mandy Arnold A. Matthias Harry W. Maxwell Thomas F. Nolta Arthur G. Palmer

Accounting

William David Anderson Marc Allan Averill James Howard Beckley John Anthony Best Donald Lee Bond \*Charles Leroy Bonten Robert Jerome Borowski Gary Edward Brown Joseph Henry Burns, III

- Rebecca Kay Burns, III \*Raymo Dallavecchia, Jr. James Henry Davies
- \*Salvatore Thomas DeGregorio Peter Andrew Demma Gail Dobner William Frank Donehoo Peter Monroe Eimen James Claude Feurig Charles Eric Frederickson Donald Patrick Gavigan Larry Steven Goldberg Steven Marc Goldschein Donald Jay Goldstein \*Larry J. Goodlander
- Donald Jay Goldstein \*\*Larry J. Goodlander Elizabeth Jayne Hall Glen Aaron Harper Jack E. Harthun \*Jon Mitchell Hartman Wayne Lewis Haupt Robert Kramer Healy, III \*David Kenneth Hehl John Allan Huster H\*\*Wayne Clarence Inman
- \*John Edward Jacobs Randolph Jacques H\*\*Linda Lee Jarchow
- H\*\*Daniel Clark Johnson Robert Anthony Koory H\*\*Stephen Brian Kutas
- Alan Wayne Legatz H\*Robert David Leslie Lindsay Charles Letcher David Paul Linden \*John Curry Litsheim

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- H\*\*Lonn William Myers \*James Miller Nilis, Jr. Arthur David Noey, Jr. John A. Pakalnis
  - \* John Paton Park, III Thomas William Parkinson
     \* Jerry Dean Parr Charles Patrick Paul D. Peacock
- H<sup>•</sup>Michael David Perry Karen L. Pfeiffer Nelson John Phillips William Peter Phillips James Patrick Pitcher Douglas Anthony Plamondon Stephen Douglas Plumb Cordell Joseph Ponak
- \*\*Larry Eugene Rittenberg \*Lynn Arthur Rosekrans Thomas Lee Schellenberg
- \*Arden Willard Shafer, Jr. Robert Alan Sherman Robert Lee Simmons
- \*\*Thomas Joseph Simmons Steven Thomas Smith Vinette Jane Smith Dennis Lynn Sweet \*Glenn A. Test Virl E. Thompson, II
- Virl E. Thompson, II \*David Lynn Turner \*Jon J. VanderZouwen
- Martin Jack Weisbrot

Economics

Gary Michael Barnas H\*\*Roger Thomas Berg Barry Dillon Bricker Wayne A. Pieper Joseph G. Pospichal Robert K. Riley Albert E. Samson Charles R. Selden Orville F. Sherwood Raymond L. Simescu Earle H. Stevenson Jerry H. Steward J. Richard Swanson Rene H. Vansteenkiste Albert F. Welch Warren K. Wells Richard C. Wilson James A. Wittkower Sam L. Yaker Martin K. Zurn

Ugis John Bruveris George D. Burns Robert Lawrence Busk Edward Paul Capaldo

- Carl Martin Carlson, Jr. H\*\*Timothy Edward Carmody Charles William Chabot David L. Clark Jon Thomas Dechow \*Thomas Charles DeMay Ira Steven Feldman William Thomas Freismuth, Jr.
  - \*\*Douglas E. Friedman \*David Reid Friedrichs Edward Richard Gagnon
  - \*Harry Lee Glass Joseph Charles Goss, III Gregory Alan Graves Robert Peter Grometer Brian Edward Haas Robert Seymour Hamrick Dennis Gordon Harr William Paul Harrison Robert Cornelius Hinshon
  - \*Peter Toll Hoffman Michael David Horlick
     \*David Norman Horthrop Thomas Bruce Huck
  - \* Joseph Charles Ignasiak David John James Paul Ellsworth Kerns
- H\*\*William Joseph Kolechta Steven D. Lambouris
  - \*John M. Latsko \*Arthur W. Lefco
  - Michael Charles Levine Michael Halleck Loomis
- Michael Halleck Loomis H\*Jeffrey Alan MacDonald Stephen James Madejek \*Roger Allen Steffen Manlin
  - \*Robert L. V. Masternak Paul Michael Matcha John Stuart Matheson James Henry McDivitt

**Financial Administration** (Continued)

- \*Kenneth Alan McPherson Stephen Elliott Morgan
- H\*\*Stephen James Mulder Lynne Ann Neorr
  - \*Michael Lynn Otis **Richard Allan Pam Robert William Paton**
  - Arvydas John Petravicius \*Edward Earl Potter Donald Alan Price
  - James Stephen Prucha
- \*\*Robert F. Ranger H\*William Thaddeus Michael Rubel
- \*\*Gerald Wayne Sandow \*Darryl Edward Sandri
- \*\* John Wayne Schamper
- Robert Allen Schrack, Jr.
- \*William Wright Scott
- \*Robert Allen Smith
- H\*Douglas Lynn Stickney Ardis Stinson
- Dean Arthur Stottlemyer \*\*Robert Allen Stout
- H\*John Peter Talbot

DEGREE OF

BACHELOR

OF ARTS

- \*Donald Gene Trefry \*\*Joseph Aubrey Velky
- \*Spencer Martin Waters William Clarence Webb, Ir. Carl Lawrence Wedler Jeffrey Thomas Williams H\*Wayne Lee Winzenz

\*Loren Morgan Young

Executive Secretarial Administration

- \*Stephanine Kay Bassitt Cynthia Jean Bethe Betty Lou Culpepper \*Jackie Kay Dallas Jeanne Ann Hebert Barbara Sue Hudson
- Thelma Kay Leeth H\*\*Linda Maureen McCabe Sharon Ann Sinda Paula Jean Timmerman

**Financial** Administration James Richard Andary Joseph Lyle Bosworth Charles R. Clarke David Carl Cluley Richard W. Cook Frederick Eugene George William Hugh Gravett Harold Wendell Johnson Kenneth Richard Kenny Robert LeRoy Kleinschmidt James William Leslie Gary Eugene Owen \*Edward Alan Porter

John William Roberts **Richard Jon Rouse** 

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Robert C. Slater Walter Stampor Harold Irwin Steinberg John Philip Thrasher George E. Vallender Trygve Vigmostad, II \*Stanley Lynde Woodward, Ir.

Food Marketing Management Steven Dean Foster H\*Richard Dale Leininger Ronald William Matthew

**General Business** Administration Joseph Thomas Abramczyk Daniel James Bakita Herbert Carl Baldauf \*Maureen L. Balint John Charles Beattie Raymond Edward Belanger Michael Richard Berard James Fraser Berridge \*Phillip James Birdsall Garreth Allen Boettcher

- Robert Leonard Brawley H\*\*Darrel Gene Brown
  - Paul Pierre Brusseau Phillip L. Burnett \*John Patrick Burns Thomas Edward Burns George Shaw Buth Richard Wilson Chamberlain David Richard Coenen
- Richard M. Cooper H\*\*Gregg Lynn Cornell David Frederic Crispin Robert John Crowe Rockwell John Darbee Stewart Gene Dater **Robert Raymond Davis** 
  - \*William Martin Dennis John Janis Otto Dobulis \*Bruce Lee Dove
  - James Thomas Downey \*Barbara Lynn Draper Norman Eugene Eberly Charles R. Ferguson William James Fohey Michael J. Freedman Gregory Lee Fuhrman
- H\*\*Ronald James Fusilier James Charles Gilroy \*John William Haney Woodrow James Hasbany
- H\*\*Michael Lee Heaphy Joseph Patrick Herdus \*Stephen Wolcott Hewitt Steven Lawrence Hill Paul William Hines
  - **Rodney Harold Horton** \*\*Richard Norton Hosner **Robert Mark Houghton** \*William Dennis Hubbell
    - Patrick Andrew Johnson

Thomas Fischer Jordan Kunihiko Kikuchi Rod Steve Kovacevich Gordon Ward Lamphere, Jr. Thomas Charles Larner Charles R. Lepley Irving Atherton Lesher, III Joseph Godfrey Light Dennis Henry Lorence Milton Franklin Lutz, II Eleanora Mae Mann \*Richard Alan Marty \*James Wilson Maynard Gary Glenn McBrady James Adam McGregor John Martin Merker Richard Frederic Meyer Philip George Miller Richard Rice Moore Ronald Lee Moore Joseph William Murdock, II Dennis Wayne Naranche Hugh James Newell \*James Ronald Nozar James Mark Olson John Keith Pardee, III Kenneth Perry Thomas Rex Perry Gary J. Posner Darrel Jay Reece James Robert Reed Gary William Richards James Lee Riley Bruce Paul Robb Martin Murry Rudoff Robert F. Sallan William Alan Sankbeil Jay Shields Saph Thomas Alfred Schlack Carl Edson Schwab Harri Schwartz Brian Lee Sievert David Frederick Simon Douglas Allen Stafinski Gary Robert Steere Donald Bradford Stotlemeyer Frederick Michael Teach \*Robert Francis Thomas Andrew David Torok William Robert Trull Peter Broughton VanVeen William Lyle Vicker, II David Paul Vrabel Larry Dennis Wahl Rodger Dean Wasserman Frederick Darwin Webster, Ir. Ronnie Keith Weiss Donald Edgar West Lawrence Alan Wikel Brian Lee Wilkinson Michael Wayne Wixom

Gary Lewis Wonnacott

Timothy Russell Zink

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### COLLEGE OF BUSINESS

Health Facilities Management Ronald V. Aprahamian Ralph Ernest Dawson, III William Maynard Greene \*Robert William Hoag \*Robert Fulton Stott

Hotel, Motel and Club Management Werner Hugo Diersch Lawrence Albert Monterastelli Charles John Raisanen John Ernest Rompf \*Donald M. Tierney \*Joseph Varga

Hotel and Restaurant Management James E. Baldridge \*William M. Beachler James Meakin Beall George Bergé Bernier Gerald Walter Borri Richard Keith Carpenter Michael Kent Chandler Michael F. Clark Richard Cole Clark Carolyn Elizabeth Clover Michael Arthur Connelly \*Raymond Barry Dhue

- Gabriel A. DiFiore Terry Lee Donaldson H\*\*Barbara Jean Donawick Roy Robert Eddey Teruo Fuse Ion William Gary Ronald Lee Gilbert Thomas William Glasgow, Jr. John Senter Graafmeyer Thomas J. Hansen Michael John Harrison **Richard** Patrick Haselschwerdt H\*\*Frank Phillip Henderson Steven John Howard \*Allan Edward Jones James Walter Jones Robert Joseph Kazanowski Carl Terrance Kessler Jan Joseph Klodner Dickson Chuck Hoong Lee Raymond Eugene Magnuson Dennis Anthony Marzella \*Douglas Gunton Maxwell Robert LeRoy McCoy, Jr. James Gordon McCutcheon Rodney Joseph Minto David Lloyd Moore
  - Robert Emmit Murphy Matt Adam Niesz Patrick William O'Brien Samuel J. Parisi Christine Prager

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Industrial Administration Eric David Barkham John David Benedict Paul Maurice Bouschet James Donald Brainerd Phil Alvin Bronkhorst George Lewis Buelow Ion Dennis Clark Richard Norval Clark James Robert Dase David William Day Steven Michael Dobson Arthur John Erickson Robert Harold Hague Robert LeRoy Henry, Jr. Michael P. Kelly Lynn Lee Lower Philip Boyd Musser William Edward Nason \*\*Robert Alex Pauweis David Keefe Powers

Robert William Pruitt, Jr. Thomas Charles Smith Gary Richard Sparschu John Edward Sting Edmund Tuskenis Richard Peter Vogeler John Joseph Waddell \*Thomas Leo Winarski

Marketing

Sally Ann Allard Richard Joel Baker Jack Walter Bronka John Jeffry Burgdorfer \*George J. Cesal Richard Roy Craig Jack Dennis Crane Louis Crenshaw James C. Cribbs Mark Paul Cryderman \*Marvin Edward DeBuck Dwight Alan DeLong Garry Lee Dutcher Jack Henry Flory James Lyle Frohberg Timothy Robert Fuller Sharon Anne Gilmour Michael David Gira Jerrold Howard Gottlieb Richard Maxwell Grandy William Albert Hackett Gary Lee Harrington Frederick Earl Heminger

- \*Robert Dwight Hiner Terrance Thomas Hoefferle John Curtis Hoopingarner Charles Frederick Houghten
- H\*\*Robert Garland House Michael Clarence Hume Steven W. Janiga James Arthur Jespersen Ronald Adair Jorgensen
  - \*John Bennett Kean Donald Carroll Knaute, Jr. William John Koivu John E. Kuri John Timothy Latshaw Darwin Dee Liverance David Richard McGraw
  - \*Gary C. Minda Robert Laverne Morgan Clark Spencer Nichols Richard Frank Noethen Dennis Edward Okon Joseph Croman Peterson Ronald Joseph Pung Ross Richard Reck Robert Dennis Riedy
  - \*Danford Dean Roslund Lawrence Ray Schmitzer
  - \*Timothy Ray Schroeder Thomas Henry Schultz David Frank Shellenbarger
  - David Warren Sjolin John D. Martin Sloan Robert James Spencer Glenn Edward Sutt Gary H. Tuber David Gordon Van Hooser Irene Elizabeth Verhanovitz
    Merlin Edward Wagner Michael James Ward Mark Edward Waters, III John Dennis Woods

Wayne John Zilka

Personnel Administration Benjamin Harrison Crockett, III Ronald Jonathan Crutchfield James Carl Dahl James Edward Dargurz George Klaasen Dechow, II Robert Mark DeLonge Donald Harvey Dyke David Russel Fisher William Michael Fournier Norman Alan Freda Christopher Johnson Gage H\*Glen Burke Gronseth

DEGREE OF BACHELOR OF ARTS

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Social Science Vincenzo Ferreri Hee Kwan Lee Michael Moore McAleenan A. Russell Pratt

Sociology

Paul William Aardsma James William Balkwell Jorge Raul Jorrat Mohammad Mehdi Salehi Shelby Oneal Stewman Paul William Thompson Paul David Tschetter Thomas Vallamattam Donald Gene Williams

**Thomas Charles Soule** 

Jeffrey C. Perrett

Sidney Rosen

DEGREE OF

DEGREE OF

MASTER

OF ARTS

MASTER

OF ARTS

FOR TEACHERS

#### DEGREE OF

MASTER OF

LABOR AND

INDUSTRIAL

RELATIONS

DEGREE OF

MASTER

OF SCIENCE

Police Administration and Public Safety Robert Willmore Brown, Jr. Bernard Dale Friend

Dipak Haldar Quannah Lee McDaniel Lawrence William Morris David Jeffrey Myers Gerald Neufeld Charles Paul Olender, Jr. Robert Lorenz Parsons Vincent G. Swinney

61

DEGREE OF MASTER OF SOCIAL WORK Social Work **Constance Elena Barrows** Mary Gracia Berchan Patricia Clair Bernard Jane I. Bowles Karen Ann Christopherson Michael Angelo Cirrito John Richard Cole Inez J. Cook Judith Carol Davidson Marcella Dean Joseph Ralph Deans Bernard A. Evink Neil L. Finley Ann Gilpin Robert Charles Guzak

James Konrad Haveman Joseph William Horton Mary Jane Keiser Carol Lynn Kikstra Myra Leah Kim Nathalia Lenore Kutz Duanne James Lafrenz Ellen Landsman Lawrence Joseph Leamy George Willie Logan Patricia Ann Lovik Ioan Elizabeth Lozier Katharina H. Macy C. Sue Mautz Lee Rex McCarty Paul Franklin McClure

Ruth Beatrice McGillicuddy Woodrow Dale McHarg Barbara Putnam Misenheimer Henry Theodore Muyskens Virginia Marie Needham **Robert Eugene Persse** Linda Fitchett Pool Glenn E. Revnolds David John Rolfe Lana Elaine Silvester William Leon Thorp James Michael Tuinstra Iu Lin Wei Kathleen Mary Whalen Raymond Harry Williams Patricia Hazel Wright

## DEGREE OF

#### MASTER

IN URBAN

PLANNING

Anthropology Terry Lee Henry Paul Joseph Maloney \*Margaret Ann Martz Mary McCarty Jacob Douglas Morrison Margaret Ann Willman

Wilford Thomas Crossman

\*\*Ruth Elizabeth Zerby

#### Geography

Kenneth Henry Cleeton \*Kenneth Roland Smith

DEGREE OF BACHELOR OF ARTS

**Political Science** 

Alan Thomas Ackerman Holly Anne Allen Robert Bruce Arnold Thomas Leonard Baker Ruth Ann Bender \*Alan Charles Bennett H\*Lynn Marie Blomquist

H\*\*Richard C. Brautigam William Price Bryson **Richard Joel Burnstein Richard Parker Butler** H\*\*Michael Donald Cahn

\*Marvin Ernest Carlson H\*\*Brian Eugene Carter Peter Alan Cohl **James Denton Conant** Robert Lee Cook **Richard Havden Cromwell** Arthur Lee Curths

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\*Phyllis Carol Daniel David Michael Davis Thomas Frederick Dean \*James Edmund Evans Walter A. Felts

Satyendra Singh Huja

- H\*\*James K. Ferguson Patricia Anne Fiedorek Merrell Lynne Frankel
- H\*\*Michael Gelner Richard S. Goodman John Wesley Gould, Jr. \*Charles Evans Grant Albert Hanson Gronewald Gary Robert Gustafson James Alexander Hall, Jr. Kenneth Richard Heimer Hilda Hideko Hirata
- H\*\*Gary Willis Howell Robert Jordan Jenkins William Scott Jewell **Jacqueline Winstead Johnson** Frank Warwick Kasten Ralph Gerald Koch \*Larry Robert Kohler **Robert Hayes Landry** John Charles Le Gere Leslie Leonard Leone

Mark Thomas Light H\*\*Joel Marshall Litman **Jules Sanford Littman** Merrily Lockwood Phoebe B. Lowell **Robert Charles Lowes** William Rudolph Lukens Bruce A. Mack

\*Roderick Campbell Mackler Galen B. Maddy

H\*\*Juan Maldonado-Rivera James Edward McAndrews

\*Thomas Patrick McMahon \*Mitchell Robert Miller Gordon Bruce Moeller

\*Danuel Liewellyn Morford

\*Kenneth Ray Murphy Martin James Murray Robert Peter Marin Nordstrom

\* Joseph Donald Ossmann Louis Henry Osterhous Michael Stanley Paine **Timothy Paul Pikard** 

- \*James Eugene Piereson Joan Mary Pung John I. Raits Nancy Ann Refior
- \*\*Elizabeth Ann Regentik \*David Alan Rosenthal Marilyn Elizabeth Scarpace Ronald Peter Schulman
- H\*\*Thomas Jacob Segal Thomas Clyde Simpson David George Smith \*Susann J. Smith Roberta Dale Soden
- Ion Robert Sorensen H\*\*James Dingwall Spaniolo
- \*Ray Elvin Speece \*\*John Morgan Spencer \*Roger Orrin Steggerda
- Gerald Robert Stinson

**Political Science** (Continued)

- H\*\*Robert Warnick-Swanson, Jr.H Joan Thorlakson Paul William Tryloff \*Allan Sheldon Tusher
- H\*\*Francis Edward Van Ryn Thomas Edward Vida David Louis Voorhees Thomas Leigh Walters Allan Brian Wechsler Marilyn Jean Westphal John Wendell White David Bly Wilber
- H\*\*John David Williams

Psychology Rod S. Albert Patricia May Allingham \*Axel William Anderson Barbara Josephine Armstrong Wallace Stanley Balcerzak John Paul Barnich Stephen Leslie Bogen Allan David Bogutz Jeanne Elizabeth Boykin Allan Carl Briggs Janet Elaine Brown Barbara Ann Campbell Sandi Platt Chamberlain Bill Morris Chambers, II

\*Patricia Anne Conlin Nicholas Coppola Dora Carol Cressy Robert James Croke Thomas Robert Cummins H\*\*Thomas Eugene Dailey

DEGREE OF

BACHELOR

OF ARTS

- Ronald John Decker Daniel Gene Dellinger Gisela Dieguez
- H\*\*Robert Allan Dittrich Lawrence Stanley Dragiewicz Richard James Eby Barbara Ellen Evink Sandra Ann Fershtman \*Janice Carol Finkle
  - Carol Ruth Gaskins **Barbara Louise Gates** \*\*Linda Mae Gunn
  - \*Gunter Haucke Milton Heard
- H\*\*Elgene Mae Hielscher Danny Lee James Jack Glen Jesse H\*\*Pamela Jean Johnson
- Priscilla Aileen Kempker George Allan Kinney Kenneth Martin Kueker Alice E. Latshaw Phyllis Carlene Leach Curtis Dean Legg H
  - Charlene Mae Levie Bruce Andrew Lomar H\*James Bernard Lurie
  - Ruth Elaine McCarthy Judy Ann Mead
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- H\*Kathleen Mary Meierdirks John Harold Muskett
  - **Carmel Anne Myers** Linda Louise Nelson Selden Howard Novotny \*Ronald Charles Ogusky Wayne Douglas Parker Robert Kent Rau \*Lewis Charles Rudolph Bonnie Lee Salhanev Robert Schirrmacher Janis Lynn Schonauer
  - Stephan Alan Schwartz Ronald Jack Sias Dennis Lee Skinner Douglas M. Smith Mary Marjorie Spenny Carol Lyn Spitler John Richard Stone Alan Jay Traines Lavne Charles Tripleh Sally Ann Turner Richard Lewis Wagenheim Mary Younce Zdunic

Social Science

H

- Richard K. Alpern \*Phyllis Ann Aronson Sandra Louise Austin Brent Robbins Babcock Carol Lee Baker Maurice Ionathan Bauhahn Deborah Edith Becker Gordon Dale Beckwith Bryan Douglas Bedell David Henry Bischoff William Crawford Blanton, Jr.
- \*Kathleen Ann Boissonneault
- \*Patrick Charles Bowler \*Mary Margaret Boynton \*William Aura Brengle Allan Sanford Brodsky Susan Dinsmore Carney Suzanne Helen Catalino John Henry Cauley, Jr. Wesley C. Cielma Barbara Lynn Clark Thomas Clark Maureen Roberta Clemons W. Jerald Cole Gary Lee Coleman \*Robert Loren Cooper Roderick Bruce Cottom Thomas Allen Coupe Roderick Stephen Coy
- H\*\*Mary Rose Critelli Jerrold Arthur Cummings Clifton Edward Curtis
- H\*\*Richard Gerald Dalton Mary Elizabeth Dendy H\*\*Glenn Edward Detrick
- Robert Gary Diamond H\*\*James Nelson Doan
- H\*James David Duchek Harry Bedford Dunham

- Harry Steven Ellman . 1 \*Lawrence James Emery H\* Sheldon David Erlich Gregory Dean Ettling Richard Allen Forstner H\*\*Teri Joan Fournier Craig F. Frederickson Jeffry N. Grabel Francis Xabier Grabowski
  - Sharon Lynne Graves \*Mark Leo Greenblatt Gilliam Leigh Griffin
- Kathleen Ann Hale H Ann Elizabeth Hall David Charles Hanley Marjorie Ann Harvey Carol Hoppe Stuart M. Israel Michael George Jackman Susan Randlett Jackson Kathryn Terrell Jones Roger Alan Kalter H\*
  - \*Robert Allen Kaminski Lynne Diane Katcher Florence Annette Keller \*Charles Edward Kellev Jacqueline Ann Kirkdorfer David George Knaggs Timothy Lewis Knauff Ronald James Kramer Ronald Gregory Lappan Paul John Lavrakas Bert David Lee William Richard Lee Jon Douglas Leeke Edward Joseph Leik Kathleen Suzanne Lilly Stanton K. Lum Martha Helen MacCleery Jane Ann MacGregor Daniel Wayne Maguire Michael James Malone Cynthia Joanne Mattson Michael Simon Mayer Judith Patricia McĆarten Richard L. McClintic \*Katherine Inez McKay Robert Dennis McMahon Donald Glenn Messinger Bradley Davis Miller James F. Mollov Richard John Monan Kathryn Elizabeth Moore John Robert Morales Robert Nellis Most **Robert Vanders Mowers** Beth Ann Nichol Edward Thomas Noonan John Rodney Oliphant Owen Harvey Orndorff **James Douglas Osmer** \*\*Angela Ozad
  - \*Jeremy Post Page-Wood Charles John Pesek James Patrick Pilchak
  - \*Karen Piluras

Social Science (Continued) Gerald Clarence Polley Barbara Jean Quick William Albert Risdon, II

- William Albert Risdon, II H\*Mary Roberta Ross Richard Lee Ruby
  - \*Nancy Carol Schoewe James Robert Schutz
  - \*Jerry Shatzman Timothy Robert Sinclair
- \*Donald Richard Smith Martin Solomon Pamela Delaine Steele John Edward Stover Ardena Lee TenBrink Duane Edward Therrien James Edward Thomas
- \*Thomas George Trott James Lee Tuman Gordon Lee Vanderlinde
- H<sup>\*</sup> William Harry Volz James Smythe Waddington William James Warren Laura Maxine Watanuki
- H<sup>•</sup> Elaine Carol Waxer Charles Russell Wendland David Stuart White Michael Wei-Ming Wong
  - \*Jon Webster Wood Ingrid Elaine Zetterholm

Social Work Julie K. Albrecht Karen Irene Allerding Kay Lee Barr \*Cindra Jeanne Bishop Kathleen Elizabeth Bohl Dianne Marian Bolsen Kandle Valerie Bowden \*Linda Diane Brandt Constance Marie Bush Donna Marie Bush Margaret Mary Byrne Jo Ann Carafelli LeAnn Carrette Robert Allen Charnin Jerry Lynn Craig Sharon M. Cress Dian Kay Crist Beatrice Anne Cullman Mary Catherine Culp Suzanne Marie Davies Sherry L. Dobbyn Susan Jean Ellsworth Lindsay Jo Eshelman Eugenia Fedorczuk Sheila Elaine Felix \*Linda Diane Fessell \*Delia Jeanette Fischer Deborah Genestris Flowers Sandra Sue Ford

\*Carole Ann Freeman Julie Ann Fulmer Robert Wilson Gaylord, Jr. Susan Gaye Gervais

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§ Posthumous

Madolyn Girvin Kenneth Wayne Grimes Margaret A. Grost Linda Carol Harper Carolyn Ann Harris Ilene Heila Harris Norma O. Harrison

- H\*Norma O. Harrison Glen LaVerne Hartshorn Linda Haskell Jack Alan Haveman Nancy Jean Helfer \*Aina Hermanson Chris Michael Hogan Patricia Juanita Horne Linda Maxine Hosek §Penny Sue Jeffreys Mary Josephine Kalmbach Joan Lee Kasle Shirley Mae Keller Patricia Ann Kenney Kathleen Kimball Mary Kathryn Kroll Kristine Elizabeth Kuhns Judith Arroll Lehmann Barbara Ellen Linden
- Sally Irene Marguardt Jane R. Martinsen Frances Edith Masterson Jill McDowell Mawhinney Mary Andrea Max Kathryn Arlene Minard Elisabeth Ann Molstad Mary Jane Novak Christine Anne Nowak Joan Ellen Nyblad Joan Leslie Palmer Karen Ann Patnode Mary Lee Payton Jacqueline Mary Petraska Jacqueline Diane Pickard Noelle Roggenbuck Eleanor Joy Root \*Connie M. Ross Mary Frances Rusilowski Madeline Jean Rynn Jan Marie Salmons Joanne Schmiege Loreith Dawn Silsby Carol Elaine Smith Emily Marie Smith Isabell Joyce Smith Lauren Kay Smythe H.
  - \* Kandius M. Sprague Susan Lee Storer
     \* Sandra Stout Robert Raymond Sutter Beth Taylor Pamela Sue Tompkins Mary Lee Tonseth Marlene Anne Tuller Jacquelyn Kay VanZandt Francine Ann Weaver Judy Ann Whitney Mary Alice Williams
     \* Lynda Lee Wilson

Karen Elizabeth Winstedt \*Frances Mary Wojciechowski \*Ann Hathaway Wright Carolyn Lee Zawacki Connie Ann Zimmer

#### Sociology

H\*\*Lynn Ann Arbour \*Judith Gail Benisatto

- \*Joseph Thomas Bivins Susan Elizabeth Black Mary Lou Blanchard
   \*William Patrick Boss Rita Marie Costick
   \*Donald John Glassey
- H<sup>\*</sup> <sup>•</sup>Karen L. Grossman Mary Margaret LaVean Vivian Rosalie Lenzi Peter Francis McEvoy, II Dennis John McFarland Nancy Elizabeth Meadows James Frederick Offrink Susan Mary Randels
- H<sup>\*</sup> <sup>\*</sup>Robert Samuel Roy <sup>\*</sup>Margo Jean Spilkin Victor Shuichi Tengan
  - \*Charles Richard Vrooman

DEGREE RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

Geography Phillip James Fizzell Candace Gail Smith

Political Science Charles Frederick Agerstrand James Patrick Conroy, II Allan Dale Scott

Social Science Joanne Basso Marsha Lynn Bigsby \* \*Carol Ann Bolz Lee Marjorie Brelie Edward Carter Burrus, Jr. Sharon Ann Cahn \*Bonnie Berg Carney

- Joan Marie Clarke
- \*Karen Louise Colwell Lucille Lilliam Reno Davis
- \*Beverly Jean DeGraaf Thayis Elizabeth Dionne Jane Elizabeth Doyle Richard Roland Erickson Karen Ernst
- \*Linda Jane Eschenburg Anthony Ferrante, Jr.
- \*Lynn Rae Gongwer Miles Zev Gordon Carolyn Kay Hart
- \*Ann Louise Janes Joanne Gae King

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DEGREE OF

BACHELOR

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BACHELOR

OF ARTS

#### DEGREE OF

BACHELOR OF

LANDSCAPE

#### ARCHITECTURE

Anthropology H\*\* Jane Ellen Granskog

Social Science (Continued)

Sharron Lee Kubesh

H\*\*Barbara Elaine Lanthorn

Martha Burton Lewis

Cheryl Lynn Ludwig

Camille Diane MacLean

Jenny Roberta Meehan

Philip Terry Borkowski

\*Marilvnn Mikolusky

H\*\*Nancy Ellen Lapin

Gary Alan Lewis

#### Geography

- \*\*LeRoy Gene Barnett Joseph Richard Coelho \*Patricia Ann Diefenbach
- H\*\*James Robert Heywood Larry Bruce Karnes Samuel Danforth Knox, Jr. \*Michael James O'Connor
  - Nels Peter Swanson Earl Phillip Updike

Landscape Architecture

Wavne Leslie Allen

DEGREE OF BACHELOR OF SCIENCE

Gary Arnold Baker Andrew Howard Balderson \*\*Gregory Allen Boyer Charles Douglas Coolman David Lynn Dixon Peter James Fregetto John Alfred Hav David Edward Hirr Edwin R. Hoag Robert Lynn Johnson \*John Eldon Kramer Ronald John Kreinbrink \*Thomas Casmir Kubanek **Robert Charles Leighton** <sup>\*</sup>John Joseph Liberacki Robert Henry McKenna Jerry Lee Nuznov Daniel Charles Orwig Richard Irwin Pintcke Richard Walter Skalski Shirley Jean Slater James Adrian Verhoeven

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Carlton Joseph Miller, Jr. \*Mary Helen Niedermeier Linda Ann Oesterle Anne Lindsay Omura Susan Kay Orr Alan James Parker **Denise** Jean Patton Judith Dianne Rosen Kenneth Mead Schultz \*Dean Scott Schutz

Nancy Jill Stanquits \*Bonnie Jean Steller \*William Arthur Taylor H\*\*Patrice Ann Thomas \*Sandra Lee Thompson Kathy Townsend Sally Katherine Vyn \*Gary Lynn Walker \*Sharon Ann Walker Kathy Sue Way

Allen Keith Dickinson

- Police Administration and **Public Safety** Sharon Lee Bailey Gerald Edward Bammert Rolland LeRoy Bannon Joe Thomas Bates Clifford Neil Best Michael S. Bibro Richard E. Bisbing John Michael Bischoff John Biscoe Jerome Gaylord Boles, II Thomas Edwin Ciolek Nicole Marie Coffey Steven Constantine **James Richard Cook** Warren Howland Cuthbert, Ir. James Walter Dickinson James Edward Doherty \*\*David Engle Carolyn S. Evans Gayle Menke Franzen Robert Warren Hall, Jr. Don Ward Hatchew Francis Clayton Heckaman Ray L. Hinson Arnold Louis Hoecherl Thomas Wilford Horton \*\*Ronald Gene Heubner James Lawrence Hughes
  - Robert Richard Jensen Charles Dwight Johnson Haywood Walker Julian Ann Marie Karrow Lon Carlyle Kenny \*Richard Leo Koenigsknecht
- Larry Robert LaClair Robert John Laszlo Alan Lee Lawson

- \*Thomas Wayne Lenahan \*Roland Vernon Maneno, Jr. Richard Fredrick McCoy Norman Lewis Melby **Rex Dale Miller**
- \*\*Thomas Charles Miskowicz Lynn Thomas Munshaw Susan Carol Myers
  - \*William Craig Nash David William Nieboer Thomas Alan Pabst
  - James Warren Penna Bruce Joseph Porritt
- \*\*Sylvester Vern Quitiquit Henry Brainard Risley, Jr. Judy P. Sayers Rosemary Schuneman David F. Smydra Donald Allen Stebbins Kenneth La Mar Steiner Bruce Neil Thorburn Barbara Ann Weide **Richard Donald Willett Jimmy Wayne Williams** Peter Elliott Williams

Psychology

- \*Paula Marie Andre \*Deborah Kay Attwood H\* Terry Loyd Ayling Charles Harrison Baer Kenneth Paul Beck William Henry Belden Stephen William Bennett \*Rita Marie Bigelow
  - \*Cary Joseph Black Bernadine Marie Blattner Donna Jeanne Bush Kenneth Charles Butlér
- H\*\*Ernest Richard Cadotte

Psychology (Continued)

\*Charles Paul Calati, Ir. H\*\*Sandra Leah Carman H\*\*Sara B. Clavez Joan Hall Clifford Dale Gordon Cook Paul Arthur Corsa G. Dean Crouch \*Gary Linn Davis Larry Earl Davis \*Paul Sherman Davis William Lee Day \*\*Kathleen M. DeSautel Robert John Dlouhy Terry Lee Evans H\*\*Robert George Fawcett \*\* James Walter Fischer Katherine Jill Frost Joan Marie Glaza Robert Joan Glees Randy Wade Green Leo Joseph Gruzdas Edward Joseph Guider, Jr. DEGREE OF BACHELOR OF SCIENCE

- \*Pamela Ann Miller Sandra Louise Miller Robert A. Mishkin Joseph Jay Mittner Joyce Elaine Morrey Mark A. Mortier
- Paul D. Newell \*Russell Lee Newell
- **Beverly Irene Norris** Allan Louis Olson Philip Darryl Oppenheim
- Karen I. Poland Albert Charles Post John William Powers

William Frederick Diggins Michelle Mary Jo Ferguson **Thomas Rodney Fredericks** Gregory Louis Gessert Victor Daniel Green

- \*Sarah Eugenie Hale Robert Wayne Heriford H\*Roger Clark Herman, Jr.
- Michael John Herrick H\*William Robert Hudson
- Joseph Agusto Jager Marjorie P. Jaskey \*\*Marilyn Sue Kendrick
- \*\*William Kohen Thomas Joseph Konieczny John Frank Kosin Yale Leroy Loucks
- H\*\*Carol Jean Loutzenhiser Dale Alexander MacDonald
- Dennis Paul Malinak Kathleen Jo Maples
  - \*Gail Elaine Mazey
  - Darell Lorne McIntyre \*Douglas George McKenzie
  - Joan Louise McMillan \*Ronald Lewis Michelini

  - \*David Robert Mortimer
  - Harry Johnson Parke \*Karl Edward Pearson
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Karl T. Pregitzer

- Stephen Edward Prosser \*\*Mary Ann Elizabeth Pung \*Gordon Howard Richards Sharon Lee Roepke Robert Stuart Rosen Donald Allan Runyon
- \*\*Lawrence Edward Schlanser
- \*Paul Allen Seligman \* Janice Ellen Shepherd **Rishun Shinzato** Dennis A. Siltanen Edward William Stadler
- H\*\*Patricia Ann Stone David Gus Techlin \*Stephen Gary TePastte Wesley DeForest Thornton, William Russell Todd Herbert Barton Tookey Peter Morgan VanDyke Peter William Vidor Mantha Stella Vlahos Harold George Wendelken,
- Jr. H\*\*Janice Ann Wheeler Thomas Arthur Work Thomas Stephen Wulbrecht Jack Delbert Wunderlich Lester Berle Younker

Social Science

- George W. Adams, II David Arthur Allen Robert Stephan Anderson William Carl Antell \*Floyd Andrew Aprill Larry Wayne Bailey Barry Baum Bruce Robert Beebe Orin Keith Beebe Marshall Leigh Blau Margaret Elyse Boone Patrick Jeffrey Boufford David William Breeden Del O. Brickser Rodney Alan Brown William Allison Bruce
- Carolyn Candler
- \*Shelly Ann Carew
- \*Alfred Nels Carlson \*Jimm William Carstens Thomas Leslie Chinn Thomas Douglas Clark Peter Albert Correia Amy Elizabeth Cowles Dean Emerson Daggett \*Priscilla L. Dean Michael Hayes Dettmer Peter Joseph Dotlich Joseph Donald Drahnak
- Stephen Richard Dugas Larry Carroll Erwine H\*Margaret Anne Fabiano Michael William Feldott

Robert Steven Drazin

- John Patrick Flynn Philip Lloyd Forsythe, Jr. William Charles Gale Jerry Reid Gamble Stephen Frederick Grether Frederick Allan Gutschow James Albert Heyse \*Kim A. Higgs Glee Ellen Hoeft Charles Paul Huebner Carol Jean Innis Joseph Edward Jannetta Ronald Edward Johnson Richard Arthur Kentro James Edward Knoll Raymond John Kreichelt Robert John Kriss Lynwood Grant Lacy \*Homer Emmett Lafrinere Theodore Richard Leighton Timothy Ivan MacLean William Thomas Martin, III Michael Jerome Meczkowski James Grawn Milliken \*\*Walter William Minor
- John Byrd Murphy, Jr. Richard Herbert Murray John Dana Norton Philip Joseph O'Connor, Jr. \*Joseph Rae O'Donnell
- John Theodore Overholt H\*\* Jon David Overholt Lawrence Robert Patterson
  - Charles J. Pesek **James Tripp Pettapiece** Michael Lewis Popov Joseph O. Pratt, Jr.
    - Preston Pulliams Margaret McLaughlin
  - Quackenbush James Harrex Richards, Jr. James Joseph Romprey Leland Willard Rosemont Philip John Savage, III Thomas Bernard Shorkey Michael Henry Sobocienski Jacklynn Lucille Sparks
- David Wallace Stapel H\*Thomas Noel Stephenson Kenneth LaVerne Stevens Gary Earle Sturk Austin Jack Terreberry
- \*\*Margaret Julia Thurber H\*\*Norma Jeanne Titter Ina Kay VanLoo Robert Lee Wachtel Paul Thomas Wachterhauser, Ir. Stuart Alan Wallgren Barry Ernest Watkins
  - \*James Watson, Jr. Jayann Lambert Whaley Warren Gardner White, III
  - Charles Ronald Wight
  - **Richard James Wozniak**
  - Thomas Cameron Young

Sociology Douglas John Allen Barbara Jane Bartlett David Michael Gusman \*Susan Dorothy Higbee Mary Elizabeth Jernstadt H Robert Samuel Roy Polly Ann Spero

DEGREE OF BACHELOR

OF SCIENCE

Urban Planning Robert Andrew Berman McRoy Canterbury, Jr. Karl Francis Freed Thomas Edward Greenwood Rodney J. Haan H\*\*Ronald Paul Kemerly

Geoffrey Victor Moffat Charles Evert Oesterle Reginald Wilson Owens, Jr. Timothy Michael Price \*Phillip Leonard Schmidt Mary Jo Sorce Gary Robert Walters William Martin Connell Wilson

DEGREE RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

Geography Allen Lee Hassen Carol Lynn Hornik Michael Anthony McManus

#### Social Science

Bruce Michael Dopp David Paul Herm Richard Lee Miller Maureen Olive Mitchell James Ward Nixon John Frederick Oberlin \*David Nathaniel Oegema Norman James Schuring Frederick Henry See \*Stewart D. Urist

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# JUSTIN S. MORRILL COLLEGE

D. GORDON ROHMAN, DEAN

DEGREE OF

BACHELOR

OF ARTS

Catherine Ann Barnes H\*\*Carolyn Helen Fishel Glenn Lloyd Fletcher Patricia CreeCree Gracey H\*David Allen Leichtman \*\*Candyce Ann Novak \*Vicki Ann Rayner

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## COLLEGE OF HUMAN MEDICINE

ANDREW D. HUNT, JR., DEAN

DEGREE OF

MASTER

Pharmacology Bernard Terry

\*Gregory Lee Swift

OF SCIENCE

DEGREE OF

BACHELOR

OF SCIENCE

\* With Honor

## RESERVE OFFICERS TRAINING CORPS

The following students have completed their ROTC Education at Michigan State University and have received their commissions as reserve officers of the United States Air Force or the United States Army in the branches indicated.

AEROSPACE

#### **STUDIES**

Bryan D. Bedell Hyacinth W. Bronka Thomas H. Burleson, Jr. Kenneth C. Butler \*Thomas E. Ciolek \*Donald P. Clements Michael A. Connelly \*Richard F. Currey \*Harvey D. Dahljelm Larry C. Erwine

Adjutant General Corps \*Lawrence Edward Schlanser, Jr.

#### Armor

Terry Loyd Ayling George Klaasen Dechow, II Werner Hugh Diersch Glen Aaron Harper Robert Cornelius Hinshon, Jr. Robert A. Mishkin John Harold Muskett \*Sylvester Vern Quitiquit Wallace Carl Thomsen \*Harold Patrick Winters, Jr. \*Loren Morgan Young

#### Artillery

Norman Alan Freda David Michael Gusman Theodore Richard Leighton John Edward Liddle, Jr. James Henry McDivitt Norman Lewis Melby Frederick William Miller Cordell Joseph Ponak James E. Frost William B. Gaillard \*Charles E. Grant James M. Huber \*William R. Hudson \*John B. Kean Edward J. Leik \*Joel M. Litman Harry A. Matelski, Jr. \*Thomas P. McMahon

Brian Lee Sievert Lawrence Bradley Weaver

#### Chemical Corps Jon Joseph Lauer

Corps of Engineers Edward Reeves Bates Frank Eisman Epple Rodney Roy Green \*Richard James Johnston Kynis Maynor, Jr. John Dana Norton Kevin Francis O'Connell

#### Infantry

\*John Marshall Haines Robert Charles Lowes \*Jerry Lewis Martin Robert Joseph Merando Mitchell Robert Miller Richard John Sikkenga Thomas Wayne Taylor, Jr.

Medical Service Corps \*Gary Robert Steere \*Lloyd B. Mitchell, Jr. Brian L. Osborn Loring R. Peirce Peter M. Schwinn
\*Gilbert T. Takahashi Dennis W. Thomson
\*Ronald R. Trierweiler John J. Waddell William M. Yadlosky

Military Intelligence Terry Irvin Clinard John Stuart Morrison

Military Police Corps John Michael Bischoff \*Jimmy Wayne Williams

Ordnance Corps \*Eric David Barkham Craig Glenn Kemler

Quartermaster Corps Gary Arnold Baker Joseph Ronald Esak Robert Leroy McCoy, Jr. \*David Bristol Williamson

Signal Corps Michael Ward Griffin William Frederick Kale \*James Lee Keitchen Gary Edward Shumaker

Transportation Corps Philip Lloyd Forsythe, Jr.

### MILITARY

SCIENCE



#### SEATING DIAGRAM FOR GRADUATES AND COMMENCEMENT GUESTS

- 1. Doctor of Veterinary Medicine; Justin Morrill; Human Medicine; Social Science; Communication Arts; Veterinary Medicine
- 2. Doctoral; Educational Specialist; Arts and Letters; Home Economics; Engineering
- 3. Education; Agriculture and Natural Resources
- 4. Natural Science; Business

\*Reserved Area — Reserved for guests who may find it difficult to climb stairways. Use entrances No. 20 and No. 21.