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TUESDAY, DECEMBER SIXTH

NINETEEN HUNDRED AND SIXTY

The
Fall
Commencement
of
Michigan
State
University

UNIVERSITY AUDITORIUM



EAST LANSING

**The
Fall
Commencement
of
Michigan
State
University**

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 1894, the Intercollegiate Commission, a group of leading American educators met at Columbia University to draft a code which would serve to regulate the design of gowns and hoods indicating the various degrees as well as the colors to indicate the various faculties. This code has been adopted by most of the colleges and universities in America and its use has made identification of scholastic honors an immediate activity.

Three types of gowns are indicated by the code. Those worn by the bachelors are made of black worsted material and have long, pointed sleeves. Those worn by masters may be made either of black silk or black wool and have long, closed sleeves with the arc of a circle near the bottom. The arm goes through a slit, giving the appearance of short sleeves for the master's gown. Doctor's gowns are made of black silk and are faced with velvet. The sleeves are full, rounded 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 wording of the degree determines the color of the velvet of the hood. For example, a Master of Science in Engineering would be signified by golden yellow (science) instead of the orange of engineering. A Bachelor of Engineering would wear the orange of engineering.

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	Maize
Forestry	Russet
COLLEGE OF BUSINESS AND PUBLIC SERVICE	Maroon
COLLEGE OF COMMUNICATION ARTS	Royal Blue
COLLEGE OF EDUCATION	Light Blue
COLLEGE OF ENGINEERING	Orange
COLLEGE OF HOME ECONOMICS	Black
COLLEGE OF SCIENCE AND ARTS	
Arts	White
Music	Pink
Science	Golden Yellow
COLLEGE OF VETERINARY MEDICINE	Gray

ORDER OF CEREMONIES

PROCESSIONAL

HAIL, AMERICA!.....George Drumm
MICHIGAN STATE UNIVERSITY BAND—PROFESSOR LEONARD FALCONE, *Director*

AMERICASmith

My Country, 'tis of thee,
Sweet land of liberty,
Of thee I sing!
Land where my fathers died;
Land of the Pilgrim's pride;
From ev'ry mountain side
Let freedom ring!

INVOCATION

THE REVEREND WALLACE ROBERTSON
Pastor, The Peoples Church, East Lansing, Michigan

ADDRESS

"EXCELLENCE IS A PERSONAL QUALITY"
ARTHUR LEWIS KNOBLAUCH, Ed.D.
President, Western Illinois University

CONFERRING OF DEGREES

JOHN ALFRED HANNAH, D. Agr., LL.D., L.H.D., D.Sc.
President, Michigan State University

ALMA MATERTraynor

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.

BENEDICTION

THE REVEREND MR. ROBERTSON

RECESSIONAL

MARCHE NOBLE.....Charles Bach

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

BOARD OF TRUSTEES

Michigan State University operates under the jurisdiction of a constitutional body known as the Board of Trustees. The six elected members serve six-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 State Superintendent of Public Instruction is an ex officio member of the Board.

THE HONORABLE CONNOR D. SMITH, <i>Chairman</i>	Pinconning
THE HONORABLE C. ALLEN HARLAN	Detroit
THE HONORABLE WARREN M. HUFF	Plymouth
THE HONORABLE FRANK MERRIMAN	Deckerville
THE HONORABLE DON STEVENS	Okemos
THE HONORABLE JAN B. VANDERPLOEG	North Muskegon
<hr/>	
THE HONORABLE LYNN M. BARTLETT, <i>Ex Officio</i>	Lansing
JOHN A. HANNAH, <i>Ex Officio, President</i>	East Lansing
JAMES W. MILLER, <i>Secretary</i>	East Lansing
PHILIP J. MAY, <i>Treasurer</i>	East Lansing

MICHIGAN STATE UNIVERSITY

As one of the leading land-grant universities and the first agricultural college in the nation, Michigan State University provides a technical, practical and cultural education for its student body, in addition to extensive research and extension services to the people of Michigan

Now in its 106th year, Michigan State University has grown from three buildings and six faculty members to one of the ten largest universities in the nation. It has approximately 2,000 staff members engaged in teaching, research and public service, 325 permanent and 136 temporary buildings, and 4,250 acres of land, including 900 acres in the campus area proper.

Founded in 1855 to educate youth for the major occupation of that day—farming—Michigan State University has broadened its offerings as young people, preparing for other vocations, have sought the advantages of university training. Today, Michigan State University has eight colleges—Agriculture, Business and Public Service, Communication Arts, Education, Engineering, Home Economics, Science and Arts, Veterinary Medicine—and the School for Advanced Graduate Studies, and offers approximately 150 different courses of study at the undergraduate and graduate level. This excludes the curriculum of the University College, which has been recognized as one of the most progressive ideas for higher education in the nation today, and the Honors College established in 1957 as a unique program designed for the superior student. All students finishing their freshman year with a “B plus” average, or attaining this average in their sophomore year, have the option of entering the Honors College. Once a student is designated an Honors College scholar, all requirements for his graduation from Michigan State (other than total number of hours) are waived.

He is assigned a special adviser in his field of major interest and together they work out a program appropriate for the individual.

Michigan State University continually strives to expand its service to the people of the state through the Agricultural Experiment Station, the Cooperative Extension Service and the Continuing Education Service. The Agricultural Experiment Station conducts research on campus and at five off-campus substations. Through the Michigan Cooperative Extension Service, more than 333,000 families are reached with technical information on agriculture, homemaking and the 4-H Club program. The field staff, located in every county, extends M.S.U.’s campus into every township in Michigan. During the 1959-60 year, the Continuing Education Service reached more than 100,000 persons in programs conducted both on campus and in local communities.

Today, more than 20,000 students from Michigan and other states and from nations all over the world are attending the University at East Lansing—about 11,000 of whom are housed on the campus proper. With about 85 percent of these students coming from communities in every section of the state, Michigan State University is doing its part to fill the greatly increased demand of the younger generation for higher education.

In the agricultural, business and professional fields, Michigan State University has proved its worth to the people of the State of Michigan, paying dividends many times the appropriation for its maintenance each year by the state and national governments. Noted for its democratic and friendly spirit, the student body harmonizes with the University faculty to make Michigan State University a first-class educational institution.

COLLEGE OF AGRICULTURE

The candidates will be presented by DEAN THOMAS K. COWDEN

DEGREE OF BACHELOR OF SCIENCE

~ Brian Leroy Bennett	<i>Forestry</i>	~ Warren Ray Nellis	<i>Residential Building</i>
~ Carl Leroy Bennett, Jr.	<i>Fisheries and Wildlife</i>	~ Steve Randolph Plevel	<i>Forestry</i>
Douglas Fredrick Boynton	<i>Animal Husbandry</i>	~ James Cameron Ramsay	<i>Pomology and Vegetable Production</i>
Edward Michael Buszta	<i>Park Management</i>	~ Granville Ivan Rhodus	<i>Forestry</i>
~ Emery Gibbs Cushing	<i>Packaging Technology</i>	James LeRoy Richardson	<i>Animal Husbandry</i>
Richard Dean Erickson	<i>Agricultural Mechanics</i>	~ William Richard Robb	<i>Pomology and Vegetable Production</i>
James Steven Fralish	<i>Forestry</i>	~ Leroy John Ruotanen	<i>Fisheries and Wildlife</i>
~ Lloyd William Gauld	<i>Fisheries and Wildlife</i>	~ Jerry Lee Russ	<i>Packaging</i>
~ George Christian Gilbert	<i>Animal Husbandry</i>	Michael John Shine	<i>Agricultural Economics</i>
~ Martin Francis Hartmann	<i>Dairy Manufacturing</i>	~ Gary Frank Siegmeier	<i>Floriculture</i>
Kenneth Francis Kasmarek	<i>Fisheries and Wildlife</i>	~ Jay Leonard Smith	<i>Residential Building</i>
~ Bruce Robert Knisel	<i>Agricultural Economics</i>	~ Jack Arwin Sneller	<i>Packaging</i>
*Edward Arthur Koza	<i>Lumber and Building Materials Merchandising</i>	~ Edward John Szymanski	<i>Packaging</i>
- Ludwig H. Lange	<i>Forestry</i>	~ Harold Louis Thibodeau	<i>Floriculture</i>
~ Kenneth Jack Linton	<i>Fisheries and Wildlife</i>	~ William Rex Ufer	<i>Farm Crops</i>
- Jack Merwin Manning	<i>Residential Building</i>	~ John Michael Voss	<i>Agricultural Mechanics</i>
~ Francis Thomas McIntyre	<i>Agricultural Economics</i>	~ Douglas Conn Weir	<i>Residential Building</i>
- *Willard Lee McLeod	<i>Animal Husbandry</i>	~ Walter James Westcott	<i>Mobile Homes</i>
Michael David Moore	<i>Forestry</i>		
~ Patrick John Muldoon	<i>Dairy Manufacturing</i>		

*With Honor

COLLEGE OF AGRICULTURE

DEGREES RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION BACHELOR OF SCIENCE

~ Carroll Lawrence Hart	<i>Agricultural Education</i>	~ John J. Niederer	<i>Agricultural Education</i>
~ Alfred W. Harwood	<i>Agricultural Education</i>	~ Orville N. R abat	<i>Agricultural Education</i>
~ *Llewellyn Henry Lehman	<i>Agriculture Education</i>	~ Theodore Anthony Sprangel	<i>Agricultural Education</i>
~ Bertie A. McNeilly	<i>Agricultural Education</i>		

DEGREE OF MASTER OF SCIENCE

Lee Don Adami	<i>Dairy</i>	~ Gad Hetsroni	<i>Agricultural Engineering</i>
Fred Wilk Bakker-Arkema	<i>Agricultural Engineering</i>	~ Archibald Roosevelt Johnson	<i>Resource Development</i>
~ Robert Lester Bradley, Jr.	<i>Dairy</i>	James William Merna	<i>Fisheries and Wildlife</i>
Robert Edward Brown	<i>Fisheries and Wildlife</i>	~ Weldon James Montgomery	<i>Forestry</i>
~ Wilfrid Keith Bryant	<i>Agricultural Economics</i>	~ Robert Gary Moss	<i>Forestry</i>
~ Allen Frederick Buttbaker	<i>Agricultural Engineering</i>	~ Antonio M. Pinchinat	<i>Farm Crops</i>
~ Cheng-lung Chen	<i>Agricultural Engineering</i>	~ Jack Vincent Stong	<i>Agricultural Engineering</i>
~ Stuart Otis Denslow	<i>Resource Development</i>	~ Shiro Takei	<i>Agricultural Economics</i>
~ Morton S. Fuchs	<i>Agricultural Chemistry</i>	~ Chaturbhuj B. Tewary	<i>Agricultural Mechanics</i>
~ Miguel Hernandez-Cardenas	<i>Food Science</i>	~ John Kendall Trocke	<i>Agricultural Extension</i>

*With Honor

COLLEGE OF ENGINEERING

The candidates will be presented by DEAN JOHN D. RYDER

DEGREE OF BACHELOR OF SCIENCE

~*Joseph Marvin Bender	<i>Agricultural Engineering</i>	~ Harry Richard Kenyon	<i>Civil Engineering</i>
~ Richard Edward Brohl	<i>Civil Engineering</i>	~ Dale Earnest Marshall	<i>Agricultural Engineering</i>
~ Thomas Frank Clarke	<i>Electrical Engineering</i>	~ George Ronald Martin	<i>Agricultural Engineering</i>
~ John William Gunst	<i>Civil Engineering</i>	~ Robert James Nelson, Jr.	<i>Electrical Engineering</i>
~ Gordon C. Johnson	<i>Civil Engineering</i>	~ David Philip Slater	<i>Metallurgical Engineering</i>
~ Rex Allen Johnson	<i>Civil Engineering</i>	~ William Lewis Wells	<i>Civil Engineering</i>
~ George Weldon Keller	<i>Agricultural Engineering</i>		

DEGREE OF MASTER OF SCIENCE

~ Ralph Griesse	<i>Mechanical Engineering</i>	~ David Lowell Nelson	<i>Electrical Engineering</i>
~ Floyd Jay Kreuze	<i>Electrical Engineering</i>	~ Robert Thomas Sedgwick	<i>Applied Mechanics</i>

COLLEGE OF HOME ECONOMICS

The candidates will be presented by DEAN THELMA E. PORTER

DEGREE OF BACHELOR OF SCIENCE

- | | | | |
|-------------------------|---------------------------------|----------------------------|--|
| Eppie L. Bruckner | <i>Retailing</i> | Janet Marie Olsen | <i>Household Equipment and Home Management</i> |
| Linda Sue Costello | <i>Retailing</i> | †Ruth Miller Reinoehl | <i>General Home Economics</i> |
| Phyllis Charlene Farmer | <i>General Home Economics</i> | Victoria Rudy | <i>Home Furnishings</i> |
| Nancy Jo Fife | <i>General Home Economics</i> | Virginia Ruth Van Popering | <i>General Home Economics</i> |
| Marianne McKenzie | <i>Home Economics Extension</i> | Sharon Louise Zukosky | <i>General Home Economics</i> |
| Anne Curtis Mitchell | <i>General Home Economics</i> | | |

DEGREES RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

BACHELOR OF SCIENCE

- | | | | |
|-------------------------------|---------------------------------------|--------------------------------------|---------------------------------------|
| Alice June Bartels | <i>Home Economics Teaching</i> | Joanne Kay Green ^R | <i>Home Economics Teaching</i> |
| *Sharon Dee Shepherd Brittain | <i>Home Economics Teaching</i> | Sharon Lee Hall | <i>Home Economics Teaching</i> |
| Patricia Dorlene Connell | <i>Child Development and Teaching</i> | Julie Ann Doyen Kollar | <i>Child Development and Teaching</i> |
| Janet Dee Cooper | <i>Home Economics Teaching</i> | Patricia A. Kuenzli | <i>Home Economics Teaching</i> |
| Kristine Ann Moffit Dany | <i>Home Economics Teaching</i> | Carol Elizabeth Rathbon ^u | <i>Home Economics Teaching</i> |
| Ann Morie Engle | <i>Child Development and Teaching</i> | Sandra Lou Rye | <i>Home Economics Teaching</i> |
| Caryl Barnett Ferguson | <i>Child Development and Teaching</i> | Cora Jean Stoker | <i>Home Economics Teaching</i> |
| Carolyn Mary Fillmore | <i>Home Economics Teaching</i> | *Mary Louise Stonecliffe | <i>Home Economics Teaching</i> |
| | | Lana Theota Williamson | <i>Home Economics Teaching</i> |

†With High Honor

*With Honor

- Shirley Louise King - also sent over in Sept

COLLEGE OF HOME ECONOMICS

DEGREE OF MASTER OF ARTS

- ~ Marilyn Jean Downer *Home Management* ~ Eleanor Murial Sanford *Textiles and Clothing*
~ Norma Magnus Gilmore *Nutrition*

DEGREE OF MASTER OF SCIENCE

- ~ LeKim Luy Chua *Nutrition* ~ Anne Elizabeth Field *General Home Economics*

COLLEGE
OF
VETERINARY MEDICINE

The candidates will be presented by DEAN WILLIS W. ARMISTEAD

DEGREE OF BACHELOR OF SCIENCE – HONORS COLLEGE

- ~ *Richard I. Harris *Veterinary Medicine*

DEGREE OF BACHELOR OF SCIENCE

- ~ Ezra Berman *Veterinary Medicine* ~† Allen Samuel Nestle *Veterinary Medicine*
~ Dominic Paul Munafo *Veterinary Medicine*

DEGREE OF MASTER OF SCIENCE

- ~ Rexford Eugene Carrow *Anatomy* ~ Jean Lorraine Juday *Anatomy*
Donald Lynn Croghan
 Microbiology and Public Health

*With Honor

†With High Honor

COLLEGE OF SCIENCE AND ARTS

The candidates will be presented by DEAN LLOYD C. FERGUSON

DEGREE OF BACHELOR OF ARTS – HONORS COLLEGE

~†John Thomas Goodman	Psychology	~†Susan Paula Powers	English
~*Katherine Lee Harman	Mathematics	†Lawrence Edmund Sneden	Social Science Divisional
~*Gilbert Patrick Nolan	Art	~*Helen Wilson Vogel	History

DEGREE OF BACHELOR OF SCIENCE – HONORS COLLEGE

~†Ezekiel Olabisi Akrinrimisi	Botany and Plant Pathology	~†Joseph Cooley Ferrar	Mathematics
~†Laurence James Boucher	Chemistry	~*Sharon Lilyan Kron	Mathematics

DEGREE OF BACHELOR OF ARTS

~ Dale Richard Adams	Social Science Divisional	*John Joseph Clancy	Psychology
~†Thomas Douglas Anderson, Jr.	Social Science Divisional	~Belinda Anne Cohen	Social Science Divisional
~ Holly Katrine Arnell	English	~Ardys Belle Cox	Psychology
~Thurlo Acton Box	Social Science Divisional	~*Margaret Virginia Cuthbertson	Social Science Divisional
~ Patrick Francis Burke	Social Science Divisional	~ Jon Tsuyoshi Doi	Art
~ Joellen Harriet Butters	Social Science Divisional	~ Jo Ann Euper	Music Therapy
~ Juliet Greathouse Cain	History	~ Ann Marie Ewart	Social Science Divisional
~ Alexander William Carel	Social Science Divisional	*George Edward Fellows	Social Science Divisional
~ Lewis Richard Carella	Social Science Divisional	~ Phillip Isaal Forgash	Social Science Divisional
~ Donald David Chezik	Psychology	~ James Edwards Frierson	Social Science Divisional
		~ Hay Edward Goss	Social Science Divisional

*With Honor
†With High Honor

DEGREE OF BACHELOR OF ARTS (Continued)

- Melvin Dean Gruhn	<i>Social Science Divisional</i>	- Philip Peter Nielsen	<i>Humanities</i>
- Leonard Clark Guneau	<i>Social Science Divisional</i>	- Thomas James Nordberg	<i>Social Science Divisional</i>
-*Thomas James Harper	<i>Philosophy</i>	- William John Parsons	<i>Social Science Divisional</i>
- Dianne M. Harrold	<i>Social Science Divisional</i>	- Donald Alfred Picmann	<i>Social Science Divisional</i>
Stephen Smith Hautala	<i>Social Science Divisional</i>	- William Jacob Pieper	<i>Psychology</i>
- Walter Franklin Herdich, Jr.	<i>Social Science Divisional</i>	- Lawrence Milford Potter	<i>Psychology</i>
- Arthur Hunter Hills	<i>Art</i>	William Tatem Reeves	<i>History</i>
- Robert G. Horvath	<i>Psychology</i>	- Gail Wildes Roberts	<i>Psychology</i>
- Jack Loren Jackson	<i>History</i>	- Jerry N. Ruonavaara	<i>Social Science Divisional</i>
- Clark Eugene Johnson	<i>Social Science Divisional</i>	- Paul Scheid	<i>Music</i>
Thomas Phillip Kellogg	<i>Psychology</i>	-*Carl W. Schneider	<i>Music Therapy</i>
- Karen Joy Kelly	<i>Social Science Divisional</i>	- John Laurence Schultz	<i>Social Science Divisional</i>
- Irving Jack Kerner	<i>Psychology</i>	- Rochelle N. Seger	<i>Psychology</i>
Stephen Thomas Kerns	<i>Social Science Divisional</i>	- Frederick Wells Shepard	<i>Art</i>
- Clifford Forrest Kinney	<i>Psychology</i>	- Robert Bruce Short	<i>Sociology and Anthropology</i>
- Sara Phy Kinney	<i>Sociology and Anthropology</i>	- Karen Lee Silcox	<i>Social Science Divisional</i>
- David William Koester	<i>Psychology</i>	John Edwin Smith	<i>Social Science Divisional</i>
- Peter W. Lowe	<i>Chemistry</i>	- Anthony Stavrides	<i>Social Science Divisional</i>
- Lawrence James Mauzerall	<i>Psychology</i>	- Gordon D. Steckle	<i>Art</i>
- Susan Lee McConnell	<i>Social Science Divisional</i>	- George Allison Steinman	<i>Foreign Studies</i>
- Martin Ernest McGuire	<i>Social Science Divisional</i>	- William Henry Sweetnam	<i>Art</i>
- Arthur Ronald Messman	<i>Mathematics</i>	- Kay Masters Taracks	<i>Psychology</i>
- John Edward Morgan	<i>Humanities</i>	†Sandra Joanne Van Doren	<i>Social Science Divisional</i>
- Richard Vosseler Morgan	<i>Social Science Divisional</i>	- Robert Lee Vogelsang II	<i>History</i>
-*Allen John Nelson	<i>Social Science Divisional</i>	- Duane Roy Vogelsburg	<i>Philosophy</i>
		- Judith Ann Waggoner	<i>History</i>

*With Honor

†With High Honor

listed in Educ
 - Joan Ann Eliz. Messner
 English

- John David Wilson
 art

COLLEGE OF SCIENCE AND ARTS

DEGREES RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

BACHELOR OF ARTS

William Martin Anderson	<i>History</i>	Dorothy Diane Offerman Grebe	<i>Art Education</i>
Shirley Jean Andrews	<i>Social Science Divisional</i>	Roberta Jean Haynor	<i>Social Science Divisional</i>
Theodore Vincent Anspaugh	<i>Mathematics</i>	Charles Stanley Jones	<i>History</i>
Elizabeth Gaiffe Beckett	<i>Art Education</i>	Kenneth Clark Kubilins	<i>History</i>
Robert Usher Boughton	<i>Art Education</i>	Donald Keith LaGuire	<i>History</i>
David William Briston	<i>History</i>	John Robert Matthews	<i>Chemistry</i>
Douglas Harold Brockhaus	<i>History</i>	Cynthia Dodd Nichols	<i>Language and Literature Divisional</i>
Roy Ivan Buxton	<i>History</i>	Nancy Le Robertson	<i>History</i>
Robert Thorpe Carter	<i>History</i>	Sandra Le Ruthruff	<i>English</i>
Patricia Annette Chapman	<i>English</i>	Donald Kenneth Sackett	<i>Mathematics</i>
Mirko William DiCarlo	<i>Chemistry</i>	Martha Elizabeth Sawyer	<i>History</i>
Deanna Elizabeth Dowde	<i>Social Science Divisional</i>	Harold Leonard Silk	<i>Social Science Divisional</i>
David Alfred Duquette, Jr.	<i>Art Education</i>	Patricia Ann Sloan	<i>Social Science Divisional</i>
Charles Horton Eardley	<i>History</i>	*Barbara Ann Smith	<i>History</i>
Denise Constance Floyd	<i>Art Education</i>	Arlene Ruth Cranmer Stover	<i>English</i>
Donna Marie Frohriep	<i>English</i>	Ronald John Strong	<i>Mathematics</i>
Ellen Jane Frommhold	<i>Art Education</i>	Foster Martin Van Vliet, Jr.	<i>History</i>
William Charles Golis	<i>Mathematics</i>	Wynifred Lowell Wagner	<i>History</i>

DEGREE OF BACHELOR OF FINE ARTS

John Milton Metheany III *Art*

*With Honor

COLLEGE OF SCIENCE AND ARTS

DEGREE OF BACHELOR OF SCIENCE

• Wilma Grace Brady	Nursing
• Melvin C. Christofferson	Geology
• Gerald Andrew Geile	Mathematics
• David Dalton Gruber	Biological Science
• Marilyn Mona Hutches	Nursing
• John Denniston Kent	Mathematics
• Charles Edward Kerman	Geology
• Donna Lee Kirkbride	Nursing
• Dale Henry Koch	Mathematical and Physical Science Divisional
• Jon David Lake	Geology
• Ferris Tindal Laraway	Zoology
• Gwendolyn Lee Lewis	Nursing
• Frederick Edward Mauer	Chemistry
• Robert Alan Drake McGarva	Zoology
• Donald Warren Merritt	Geology

• Alan Bruce Miller	Microbiology and Public Health
• Roger Warner Noyce	Geology
• Felix Pozzi	Mathematics
•† Ann Stacia Drilling Reban	Nursing
• Ernest Sodiala Roberts	Microbiology and Public Health
• Peter John Scarnato	Biological Science Divisional
Edward Allen Schmidt	Microbiology and Public Health
• John Carl Schneider, Jr.	Zoology
• Sydney Allen Schroeder	Physics and Astronomy
• W. Bingham Slack	Mathematics
• Herman Carl Strobel	Mathematics
Samuel Teleki	Microbiology and Public Health
• Ethel Harriet VandeBunte	Nursing
• Richard Ira Whittemore	Zoology

DEGREES RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

BACHELOR OF SCIENCE

• Douglas Frank Benn	Mathematics
• Paul Eugene Eckert	Mathematics
Robert David Harmon, Jr.	Mathematics
• John William Kelley	Mathematics
• Betty Ann Landsburg	Biological Science Divisional

• Norman Lewis Lyons	Mathematics
•* Robert L. Meyer	Mathematical and Physical Science Divisional
• Forrest Eldon Miller	Mathematics
Emil Novak	Mathematical and Physical Science Divisional
•* Linda Jo Shewell	Zoology
• Douglas Wendell Smith	Biological Science Divisional

•With Honor

†With High Honor

COLLEGE OF SCIENCE AND ARTS

BACHELOR OF MUSIC

- Emerson George Dentel	<i>School Music</i>	-* Arthur Earl Riedel	<i>School Music</i>
- Paul Ronald Grischke	<i>School Music</i>	-* Sue Elizabeth Tucker	<i>School Music</i>

DEGREE OF MASTER OF ARTS

James Bernard Alfredson	<i>Philosophy</i>	- Josef Horak	<i>History</i>
- Marvel June Allard	<i>Psychology</i>	- Robert George Kayel	<i>Mathematics</i>
- Cyrus Azimi	<i>Psychology</i>	- Donald Earl Keesey	<i>English</i>
- Donald Armour Clelland	<i>Sociology and Anthropology</i>	- John Elof Lundstrom, Jr.	<i>Art</i>
- Robert Earl Ditchman	<i>Psychology</i>	- Cheryl Joanne Normington	<i>Psychology</i>
- Russell Lee Dore	<i>Psychology</i>	- Marilyn Grace Slear Ruesink	<i>Music Education</i>
- Margot Beatrice Evans	<i>French</i>	- Rolf Heinz Kurt Schulze	<i>Sociology and Anthropology</i>
- Donald LeRoy Fisk	<i>Mathematics</i>	- Md. Afsar Uddin	<i>Sociology and Anthropology</i>
- William Douglas Fromm	<i>Sociology and Anthropology</i>		

- Charles F. Steinman
Hist

- Albert Zavala
Psych

DEGREE OF MASTER OF SCIENCE

- Mary Emma Barboni	<i>Chemistry</i>	- Earl Trudeau Freeman	<i>Zoology</i>
Donald Milo Beale	<i>Zoology</i>	- Stanley Carl Holt	<i>Microbiology and Public Health</i>
David Gunter Browning	<i>Physics and Astronomy</i>	- William Earl Hutchinson	<i>Chemistry</i>
- Patricia Josephine Casey	<i>Chemistry</i>	- Wilbur Reed Langford	<i>Physics and Astronomy</i>
James Arthur Clark	<i>Statistics</i>	Mary Jean Long	<i>Chemistry</i>
- Robert Allan Davis	<i>Botany and Plant Pathology</i>	- Bartin Turner Smith	<i>Physics and Astronomy</i>
- Lawrence Eugene Day	<i>Microbiology and Public Health</i>	- James Clare Vanden Berge	<i>Zoology</i>
Raymond Payjun Dong	<i>Mathematics</i>	- Charles Henry Wells II	<i>Physiology and Pharmacology</i>

*With Honor

m.a.t. (Chem) Kenneth M. Long

- Oliver W. Luck

COLLEGE OF BUSINESS AND PUBLIC SERVICE

The candidates will be presented by DEAN ALFRED L. SEELYE

DEGREE OF BACHELOR OF ARTS

John Donald Babb	Economics	~ Eugene Benjamin Collard	General Marketing
~ John William Baughman	Accounting	~ Gordon Edward Connell	Personnel Administration
~ Larry Zane Benjamin	Accounting	~ Jack Dickson Cook	Accounting
~ Edward Rolsten Bliss	Accounting	~ Douglas Dee Coppens	General Marketing
~ Richard Jess Bordeau		~ *D. Brant Cotterman	Production Administration
Hotel and Club Management		~ Robert Earl Cronheim	Economics
~ †Richard James Bowersox	Political Science	~ James R. Davidson	Retail Administration
Thomas LeRoi Braman	General Marketing	~ John Stanley Davies	Accounting
~ Robert Melzor Britton	General Marketing	~ Americo Dean	Production Administration
~ Robert John Brockmiller		~ Roger Louis Diegel	Banking Administration
Production Administration		~ William E. Durell, Jr.	Personnel Administration
~ Edmund Reginald Bronicki		~ *William Charles Ealy	Accounting
Hotel and Club Management		~ Gorton Morgan Evans II	General Marketing
~ Michael Ellsworth Bryant		~ John Preston Fleser	General Business Administration
Production Administration		~ *Gerald Thomas Forton	Restaurant Management
~ Ronald Wayne Buecking		~ Phillip John Fowler	Accounting
Hotel and Club Management		~ Michael John Fritz	Economics
~ Richard Hays Byrd	Personnel Administration	~ Donald Scott Fuller	Transportation Administration
~ Robert Lee Campbell II	Financial Administration	~ Raymond Joseph Gerdes	Accounting
Lucinda Yvonne Cargill	Social Work		
~ Lewis Richard Caveney	Accounting		
~ Jerry Harold Chadwick	Insurance		
~ Larry Lee Cole	Accounting		

†With High Honor

- Harry Freeman Jr. Econ
- Edmund G. Dyla also sent over in Sept.

COLLEGE OF BUSINESS AND PUBLIC SERVICE
DEGREE OF BACHELOR OF ARTS (Continued)

Bruce Edward Gilmore	<i>Economics</i>	~ Joseph Thomas Langlais, Jr.	<i>Hotel and Club Management</i>
~ William Elmer Haas	<i>Purchasing Administration</i>	~ Paul Lewis Lantz	<i>Economics</i>
~ Richard Curtis Halseth	<i>General Marketing</i>	~ Phillip David Leach	<i>Production Administration</i>
~ Richard L. D. Hammond	<i>General Business Administration</i>	~ Richard Lew Lotz	<i>Hotel and Club Management</i>
~ Edward Reuben Hancock	<i>Economics</i>	~ Wayne Albert Magnan	<i>Personnel Administration</i>
~ Robert Henry Harr	<i>Restaurant Management</i>	~ Robert Neil McGivern	<i>General Marketing</i>
~ *Roger Ferris Hathaway, Jr.	<i>Accounting</i>	~ Michael Edward McGowan	<i>Food Distribution Administration</i>
~ John M. Horne	<i>Political Science</i>	~ John Edward McNeely	<i>Economics</i>
~ Donald Henry Huber	<i>General Marketing</i>	~ Wendell Charles Mellberg	<i>Personnel Administration</i>
~ †James Edward Hunter	<i>General Marketing</i>	~ Oscar Bernard Michael	<i>Food Distribution Administration</i>
Eugene Joseph Iacomini	<i>Restaurant Management</i>	~ Robert Bartholic Miller	<i>Personnel Administration</i>
~ Daniel Lawrence Jacob	<i>General Business Administration</i>	Stephen Harr Miller	<i>General Marketing</i>
~ James Roland Kearns	<i>Hotel and Club Management</i>	~ John Michael Mills	<i>Economics</i>
~ Rex David Keister, Jr.	<i>Political Science</i>	~ Ronald Arthur Minth	<i>General Business Administration</i>
~ David Michael Kelly	<i>Economics</i>	~ Harold Theodore Mohrluk	<i>Accounting</i>
~ Daniel Allen Kempf	<i>Economics</i>	~ James A. Monroe	<i>Accounting</i>
Bill Leroy Kennedy	<i>General Business Administration</i>	~ Gale Thomas Moore	<i>Transportation Administration</i>
~ Ronald Basil Kennedy	<i>Production Administration</i>	Richard Gowans Morrison	<i>General Business Administration</i>
Gerald Gene Kettring	<i>General Business Administration</i>	~ *LeVant Mulnix III	<i>Economics</i>
~ *Carol Anne King	<i>Restaurant Management</i>		
~ Robert Ernest LaChapelle	<i>General Business Administration</i>		

*With Honor

†With High Honor

COLLEGE OF BUSINESS AND PUBLIC SERVICE

DEGREE OF BACHELOR OF ARTS (Continued)

- | | | | |
|-------------------------------|---------------------------------------|-----------------------------|----------------------------------|
| ~ Gerald James Murawski | Accounting | ~ Norman Terry Swayne | Accounting |
| ~ Robert Larry Newsome | General Marketing | ~ Alfred Arden Tanck | Food Distribution Administration |
| ~ Wanda Lee Nickerson | Institutional and Hospital Management | ~ James Frederick Thiede | General Business Administration |
| ~ Wayne Edward Olsen | General Business Administration | ~ John Peter Trinklein | Economics |
| ~ Peter Onderchain | Economics | ~ David Andrew Turner | General Business Administration |
| ~ John Watters Oosting | Economics | ~ John Anthony Vanna | Accounting |
| ~ George Edward Pawlanta, Jr. | Accounting | ~ Timothy John Vellmure | Restaurant Management |
| ~ John Wilber Poyhonen | Personnel Administration | ~ James Francis Verplank | Production Administration |
| ~ Thomas Anthony Raguso | Economics | ~* Harry Thomas Voige | Political Science |
| ~ Thomas William Riley | Accounting | ~ William Albert Waggoner | Purchasing Administration |
| ~ Jon Howard Robb | Personnel Administration | ~ Allan George Wallace | Hotel and Club Administration |
| Theodore K. Robinson | Economics | James Arthur Weirauch | Economics |
| ~ Richard Frederick Ruhl | General Marketing | ~ John William Wheeler | General Marketing |
| ~ Louis Henry Schimmel, Jr. | Financial Administration | ~ Francis George Wickstrom | General Marketing |
| ~ Bruce Arthur Schuman | General Marketing | Glenn Carter Wideman | Political Science |
| ~ Frederick James Schwab | Accounting | ~ David Dale Willey | Personnel Administration |
| ~ Stewart Peter Sigourney | Accounting | Charles Lawrence Young, Jr. | Restaurant Management |
| ~ Walter William Squire | General Marketing | ~ William Arthur Young | Economics |
| ~ Franz Willison Stevens | Production Administration | ~ Joseph Arthur Zambrano | Political Science |
| ~ William Raymond Stewart | General Marketing | | |
| ~ Alvin Jay Stiefel | Food Distribution Administration | | |

•With Honor

COLLEGE OF BUSINESS AND PUBLIC SERVICE

DEGREES RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

BACHELOR OF ARTS

~ Vivian Blanche Bloom	<i>Business Education</i>	~ Naomi Ruth Lande	<i>Business Education</i>
~ Sandra Lee Bristol	<i>Business Education</i>	~ Gerald Gordon Potter	<i>Business Education</i>
- Joanna Hileman Coultres	<i>Business Education</i>	~ Margery Ann Ward	<i>Business Education</i>
- Gordon Burdette Freeman	<i>Business Education</i>	~* Joyce Arlene Wilson	<i>Business Education</i>

DEGREE OF BACHELOR OF SCIENCE

~ Thomas Everett Borton	<i>Urban Planning</i>	~ Robert John Horan	<i>Police Administration and Public Safety</i>
~ Gwendolyn Gail Bourassa	<i>Police Administration and Public Safety</i>	~* Cheryl Dee Hurd	<i>Police Administration and Public Safety</i>
~ Jeremy Ward Chapman	<i>Police Administration and Public Safety</i>	~* Donald Bernard Johnson	<i>Police Administration and Public Safety</i>
~* Robert Ervin Dittman	<i>Police Administration and Public Safety</i>	~ Walter Ralph Johnson	<i>Police Administration and Public Safety</i>
~ Wayne Lee Ensing	<i>Police Administration and Public Safety</i>	~ Richard Arlen Kilby	<i>Urban Planning</i>
~ Robert Charles Fager	<i>Landscape Architecture</i>	~ James Wilford Kitchen	<i>Police Administration and Public Safety</i>
~ William Ian Ferrier	<i>Police Administration and Public Safety</i>	~ Brian Edward Langley	<i>Police Administration and Public Safety</i>
~ Leslie Pyewell Flounders, Jr.	<i>Police Administration and Public Safety</i>	~ Leroy Kenneth Lehner	<i>Landscape Architecture</i>
~* Axel Ingvar Franzon	<i>Police Administration and Public Safety</i>	~ William W. Lovett	<i>Police Administration and Public Safety</i>
~ Mohammed Jamil Hanifi	<i>Police Administration and Public Safety</i>	~ John Vernon Momberg	<i>Police Administration and Public Safety</i>
Edward John Hansen	<i>Police Administration and Public Safety</i>	~ James Ronald Opperman	<i>Police Administration and Public Safety</i>
- John P. Hopkins	<i>Police Administration and Public Safety</i>	~* Robert Frederick Piatt	<i>Police Administration and Public Safety</i>

*With Honor

DEGREE OF BACHELOR OF SCIENCE (Continued)

- | | |
|---|---|
| ~ Stephen Richard Ripps
<i>Police Administration and Public Safety</i> | ~ Roger Calvin Wilson
<i>Police Administration and Public Safety</i> |
| ~ Alice Annette Skranz
<i>Police Administration and Public Safety</i> | ~ Charles Frank Young
<i>Police Administration and Public Safety</i> |
| ~ Werner George Weitzel
<i>Police Administration and Public Safety</i> | |

DEGREE OF MASTER OF ARTS

- | | |
|--|---|
| ~ Charles A. Baker
<i>Business Administration</i> | ~ William Hamilton Parks
<i>Financial Administration</i> |
| ~ Emory Scott Derr
<i>Business Administration</i> | ~ James Michael Rhadigan
<i>Economics</i> |
| ~ James McAlden Kelly
<i>Hotel, Restaurant and Institutional Management</i> | ~ David Robinette Shelby
<i>Food Distribution</i> |
| ~ Darrell Koon
<i>Business Education</i> | ~ Harry Kenneth Show
<i>Business Administration</i> |
| ~ Oral Eugene Parks
<i>Political Science</i> | ~ Thomas Norman Tarby
<i>Economics</i> |
| | ~ David I. Verway
<i>Economics</i> |

DEGREE OF MASTER OF BUSINESS ADMINISTRATION

- | | |
|--|--|
| ~ Otto Walther R. Beiser
<i>Business Administration</i> | ~ Gene Lewis Knapp
<i>Personnel and Human Relations</i> |
| ~ Klaus Otto Brudemeier
<i>Marketing</i> | ~ Theodore Bruce Martin
<i>Transportation</i> |
| ~ Donald Regis Connelly
<i>Accounting</i> | ~ Alcidio do Sousa Prado
<i>Personnel and Human Relations</i> |
| ~ Salvatore Dominic Costella
<i>Accounting</i> | |
| Burton Royce Eckhardt
<i>Accounting</i> | ~ Lawrence Silverman
<i>Marketing</i> |
| ~ William Joseph Gilbert
<i>Accounting</i> | |

COLLEGE OF EDUCATION

The candidates will be presented by DEAN CLIFFORD E. ERICKSON

DEGREE OF BACHELOR OF ARTS—*Elementary Education*

- | | |
|------------------------------|------------------------------|
| ~*Martha Gilchrist Andrews | ~Carolyn Mae Marolf |
| ~ Elizabeth Ann Aubertin | ~ Charles Morden McEachin |
| ~ Geraldine Margaret Bales | Nancy Diane McKenzie |
| ~ Sally Wilson Berry | ~ Jean Ward McKinnon |
| ~ Lois Merrilee Brown | ~ Joan Ann Elizabeth Messner |
| ~ Sheldon Grey Butson | ~ Audrey Elizabeth Miller |
| ~*Donna Mary Carrigan | ~ Susan Jane Overmyer |
| ~ Constance Lee Coe | ~ Jean Ruth Wolfe Owen |
| ~ Alice Anne Davis | ~*Marcia Ann Petrie |
| ~ Jeannine Madeleine Day | ~ Janet Agnes Porter |
| ~ Suzanne A. DeJong | ~ Joyce Meta Prange |
| ~ Saundra Sargent Donahue | ~ Clyde Beiber Rue |
| ~ Susan A. Flathau | ~ Yolanda Zupko Shemely |
| ~ Nicholyn Marie Folsom | ~ Sandra Anne Stahl |
| ~ Christine Messmore Gilling | ~ Deanna Sue Strolle |
| ~ Sharon Ann Hohman | ~ Mary Anna Sumners |
| ~ Nancy Carole Horsley | ~ Barbara Bancroft Symanski |
| ~ Eleanor D. Howland | ~ Marjorie Ann Townsend |
| ~ Susan Kellogg | ~ Marilyn Robb Vyverberg |
| ~ Mary Beth Larson | ~ Donald L. Ware |
| ~ Janet Philip Little | ~ Jeanne Elise Warner |
| ~ Georgiann Marks | ~*Anne Woodworth |

DEGREE OF BACHELOR OF SCIENCE

- | | | | |
|-----------------------|---------------------------|------------------------|---------------------------|
| ~ Patricia Allworth | <i>Physical Education</i> | ~ David Kenneth Clum | <i>Industrial Arts</i> |
| ~ A. Roger Belter | <i>Industrial Arts</i> | ~ Sandra Jean Currie | <i>Physical Education</i> |
| ~ Michael Bruce Brown | <i>Physical Education</i> | ~ Raymond Harry Durant | <i>Industrial Arts</i> |

Orville L. Lippert Ind Arts

COLLEGE OF EDUCATION

DEGREE OF BACHELOR OF SCIENCE (Continued)

~ D. Bruce Galland	<i>Industrial Arts</i>	~ Sandra Hoover Parks	<i>Physical Education</i>
~† Jack Arthur Geary	<i>Physical Education</i>	~ Robert E. Pierson	<i>Industrial Arts</i>
John Gelmisi	<i>Physical Education</i>	~ Richard Raymond Radatz	<i>Physical Education</i>
~ Douglas Lee Hansen	<i>Industrial Arts</i>	~ Harvey Louis Shultz	<i>Community Recreation</i>
~ Cecil B. G. Heron	<i>Physical Education</i>	Richard Boyd Smith	<i>Physical Education</i>
~* Irving Henry Kananen	<i>Physical Education</i>	~ Donald Thomas Thornton	<i>Physical Education</i>
~ Frank Jr. Maddalozzo	<i>Physical Education</i>	Harry Wayne Turak	<i>Physical Education</i>
~ Stanley Frank Myk	<i>Industrial Arts</i>	~ Jon Nicholas Whorley	<i>Industrial Arts</i>

DEGREE OF MASTER OF ARTS—*Education*

~ Donald Van Adams	~ Marian Esther Daniel
~ David Joel Anderson	Lawrence Raymond Daniels
~ Dorothy Eileen Bell	~ Nancy Ann Doneth
~ Bonnie Nitz Boldt	Roy Douglas Doonan
~ Marcia Joan Bottomley	~ Verdon R. Dunckel
~ Robert Bower	~ John Phillip Fekete
John Brissaud	~ Robert Clark Ferguson
~ Robert Windsor Brown	~ Robert Raymond Frye
~ Helen Blanche Burns	~ Lamoine Lovisa Gardner
~ Frances Zelma Caldwell	~ Helen Frances Garn
~ John Grunow Call	~ Carolyn Jean Gibfried
~ Richard Earl Claffin	~ Vera Gierman
~ Vera Maude Clark	~ Jeanne Adelaide Greer
~ Marie Elizabeth Colando	~ Floyd Bernard Haremski
~ Robert Lyman Colestock	~ Horace Joseph Harte
~ Constance Elaine Collins	~ Mary Good Heuvelhorst
~ Dorothy Brown Copeland	~ Robert Wendell Hills
~ Lewis D'Alessio	

*With Honor

†With High Honor

COLLEGE OF EDUCATION

DEGREE OF MASTER OF ARTS—*Education* (Continued)

- John Richard Hudson
- Robert Lewis Kaminskis
- Herald A. Kiekoover
- Marie Riley Kish
- James Donald Knotts
- William Martin Larkin
- Jean Carolyn Leach
- Jerrie Bascome McGill
- Elizabeth Dickson Miller
- Janice Bedford Nagele
- Merritt Chandler Nauts, Jr.
- Ann Pappas
- Hi Kyung Park
- Aubrey Radcliffe
- James William Rice
- Rosetta S. Sanders
- Asuncion Adevosio Santiago
- Richard Bland Smith
- Robert Wayne Stace
- Roger David Stouffer
- Margaret Greer Swift
- Walter Lee Thomas
- Margaretta Tuttle
- Mel Leroy Vaara
- Anneatha Erlene Wade
- Phillip A. Wall
- George Robert Weaver
- Jack L. Westover
- Joan Jean Wight
- Carol B. Covert Zelmer

- Gordon L. Metzner

John Keith Pardee

3-20-61 as of 12-12-60

COLLEGE OF COMMUNICATION ARTS

The candidates will be presented by FRED S. SIEBERT

DEGREE OF BACHELOR OF ARTS

Donald Robert Adlam	<i>Television, Radio and Film</i>	*William Henry McIntosh	<i>General Communication Arts</i>
- Arnold Angert	<i>General Communication Arts</i>	- Joseph Malcolm McNeil	<i>Advertising</i>
- William Charles Callahan, Jr.	<i>Journalism</i>	- Larry Paul Miller	<i>Journalism</i>
- Arthur Bernard Dowd, Jr.	<i>Advertising</i>	- Gregory James Neiswonder	<i>Television, Radio and Film</i>
-†Theodore R. Ervin	<i>Journalism</i>	- Sidney Louis Scutt	<i>Television, Radio and Film</i>
- Albert Alfred Ferdi	<i>Advertising</i>	- Roger Fowler Sherman	<i>Advertising</i>
- John David Fish	<i>Television, Radio and Film</i>	- Joan Louise Shook	<i>Television, Radio and Film</i>
Robert Ervin Franklin	<i>Television, Radio and Film</i>	-*James Russell Turner	<i>Advertising</i>
- Susan Freeman	<i>Speech</i>	-†Janet Piper Voss	<i>Journalism</i>
- Grant Brian Keefer	<i>Television, Radio and Film</i>	- Robert Dale Walsh	<i>Journalism</i>
- Joseph G. Kiss	<i>Television, Radio and Film</i>	- Kay Mary Zemke	<i>Television, Radio and Film</i>

- Raymond Andrew Meller T R 7

DEGREES RECOMMENDED JOINTLY WITH THE COLLEGE OF EDUCATION

BACHELOR OF ARTS

-Margaret Cecile DiPiazza	<i>Speech</i>	- Jacqueline Dell Strandberg	<i>Speech</i>
-Garwood Philip Hansen	<i>Speech</i>	-*Cynthia Ann Sweet	<i>Speech</i>
-Marilyn Ann Steegstra	<i>Speech</i>		

DEGREE OF MASTER OF ARTS

- William Lewis Broecker	<i>Television, Radio and Film</i>	- Robert Louis Hammond	<i>Speech</i>
Eleanor Harger Burgess	<i>Speech</i>	- Chosei Kiyoshi Kabira	<i>Television, Radio and Film</i>
C. Milan Gruehr	<i>Speech</i>	- Walter Alexander Littlefield	<i>Speech</i>

*With Honor
†With High Honor

SCHOOL FOR ADVANCED GRADUATE STUDIES

The candidates will be presented by DEAN MILTON E. MUELDER

DIPLOMA FOR ADVANCED GRADUATE STUDY

- Kenneth Truman Beagle B.A., Western Michigan University; M.A., University of Michigan.
Education. *Major Professor:* W. H. Roe, Professor.
- David Lloyd Lawton B.A., Hiram College; M.A., Western Reserve University.
English. *Major Professor:* W. Heist, Associate Professor.
- Donald Medley Topping A.B., M.A., University of Kentucky.
English. *Major Professor:* A. H. Jaffe, Associate Professor.

DEGREE OF DOCTOR OF PHILOSOPHY

- John Frances Alexander B.S., M.A., Notre Dame.
Education. *Major Professor:* W. D. VanHuss, Professor.
Thesis: An Evaluation of Thirteen Brands of Football Helmets on the
Basis of Certain Impact Measures.
- Bruce Herbert Barnes B.S., M.S., Michigan State University.
Mathematics. *Major Professor:* G. P. Weeg, Associate Professor.
Thesis: Structure of Automata.
- Charles Richard Barr B.A., North Central College; M.S., Michigan State University.
Chemistry. *Major Professor:* R. U. Byerrum, Professor.
Thesis: The Synthesis and Biological Activity of Some Allyl, Acetic Acid
and Ethyl Acetate Ethers of Fluorene and Fluorenone.
- Frank Henry Blackington, III B.Ed., Keene Teachers College; M.A., Boston University.
Education. *Major Professor:* Z. G. Barnett, Associate Professor.
Thesis: A Philosophical Analysis of the Construct "Life Adjustment" and
Its Implications for Education.

DEGREE OF DOCTOR OF PHILOSOPHY (Continued)

- Donald John Bowersox B.A., M.A., Michigan State University.
 Business Administration. *Major Professor:* D. A. Taylor, Professor.
Thesis: Evaluation of Alternative Solutions to the Food Distribution
 Center Location Problem.
- Glenn Stuart Bulmer B.S., Michigan State University.
 Botany and Plant Pathology. *Major Professor:* E. S. Beneke, Professor.
Thesis: The Germination of Basidiospores of *Calvatia Gigantes* and Re-
 lated Genera.
- Francisco A. Cardenas Ingeniero Agronomo, Escuela Superior de Agricultura "Antonio Narro"
 Mexico; M.S., Colorado A. & M. College.
 Farm Crops. *Major Professor:* M. W. Adams, Associate Professor.
Thesis: Genetic Septems for Reaction in Beans (*Phaseolus Vulgaris*) to
 Infection by Three Races of *Colletotrichum Lindemuthianum*.
- Raymond Joseph Clausman B.A., Butler University; M.A., University of Louisville.
 Psychology. *Major Professor:* A. I. Rabin, Professor.
Thesis: Subception as a Veridical Process and Perceptual Defense as
 Avoidant and Vigilant Behavior.
- Irwin Howard Cohen A.B., Brooklyn College; M.A., City College of New York.
 Psychology. *Major Professor:* M. Rokeach, Professor.
Thesis: Adaptive Regression, Dogmatism, and Creativity.
- John Thomas Conlon B.B.A., University of Massachusetts; M.A., University of Connecticut.
 Economics. *Major Professor:* C. Killingsworth, Professor.
Thesis: The Arbitration of Discipline Grievances: An Analysis of Pro-
 cedural and Substantive Standards of Review.
- Walter Dale DeVries B.A., Hope College; M.A., Michigan State University.
 Political Science. *Major Professor:* L. C. Ferguson, Professor.
Thesis: The Michigan Lobbyists: A Study in the Bases and Perceptions
 of Effectiveness.

SCHOOL FOR ADVANCED GRADUATE STUDIES

DEGREE OF DOCTOR OF PHILOSOPHY (Continued)

- Charlotte Marie Dienhart B.S., College of St. Catherine; M.S., State University of Iowa.
Anatomy. *Major Professor:* J. Bell, Associate Professor.
Thesis: Morphological Effects of Dietary-Induced Hyperparathyroidism
on the Parathyroids, Kidneys and Tibias of Rats.
- Roland Hinkley Ebel A.B., Wheaton College; M.A., Northwestern University.
Political Science. *Major Professor:* J. LaPalombara, Professor.
Thesis: The Role of the Professional Staff in American Political Parties.
- Husein M. Elmosa B.S., Kansas State College; M.S.C., University of Nebraska.
Entomology. *Major Professor:* H. L. King, Professor.
Thesis: Toxicological Investigations of the Onion Maggot *Hylemya antiqua* (Meig.).
- Richard Wayne Fish B.S., Iowa State College.
Chemistry. *Major Professor:* H. Hart, Professor.
Thesis: I. Dipositive Carbonium Ions II. Synthesis and Reactions of
Tetramethylbenzocyclobutene Derivatives.
- Desmond Ford B.A., Pacific Union College; M.A., Potomac University.
Speech. *Major Professor:* K. G. Hance, Professor.
Thesis: A Rhetorical Study of Certain Pauline Addresses.
- Wesley Lamar Harris B.S., M.S., University of Georgia.
Agricultural Engineering. *Major Professor:* W. F. Buchele, Associate
Professor.
Thesis: Relationship of Mean Stress and Volumetric Strain in the Soil
Under Dynamic Loading.
- L. James Harvey B.A., Hope College; M.A., Michigan State University.
Education. *Major Professor:* J. Jordan, Assistant Professor.
Thesis: A Study of the Guidance Resources of Students in High Schools
Affiliated with the National Union of Christian Schools in Michigan
and Illinois.

SCHOOL FOR ADVANCED GRADUATE STUDIES

DEGREE OF DOCTOR OF PHILOSOPHY (Continued)

- | | |
|--------------------------|--|
| Dean Lawrence Haynes | B.S., M.S., Michigan State University.
Entomology. <i>Major Professor:</i> J. W. Butcher, Associate Professor.
<i>Thesis:</i> Studies on European Pine Shoot Moth Biology and Interactions Between the Insect, Its Environment and Michigan Host Species. |
| Theodore Matthew Hoersch | B.S., M.S., Michigan State University.
Animal Husbandry. <i>Major Professor:</i> H. A. Henneman, Professor.
<i>Thesis:</i> The Effect of Environmental Light and Temperature on the Thyroid Secretion Rate and Other Physiological Processes in Sheep. |
| William Frank Hunter | B.S., M.A., Ball State Teachers College.
Education. <i>Major Professor:</i> J. Jordan, Assistant Professor.
<i>Thesis:</i> An Exploratory Analysis of Space Perception in Congenitally Blind and Sighted Individuals. |
| A. K. M. Nural Islam | B.S., Rajshahi Government College, E. Pakistan; M.S., Dacca University, E. Pakistan.
Botany and Plant Pathology. <i>Major Professor:</i> G. W. Prescott, Professor.
<i>Thesis:</i> A Revision of <i>Stigeoclonium</i> and Critical Studies in Related Genera. |
| David Joseph Karl | B.S., Providence College.
Chemistry. <i>Major Professor:</i> J. L. Dye, Associate Professor.
<i>Thesis:</i> I. The Electrophoretic Contribution to Equivalent Conductance Using the Complete Exponential Distribution Function: 1-1 Salts in Dioxane-Water Mixtures. II. Transference Numbers and Activity Coefficients of Aqueous Solutions of Tris (ethylenediamine) Cobalt (III) Chloride at 25° C. |
| Kundan Lall Kinra | B.A., Bihar Agricultural College; M.S., Michigan State University.
Soil Science. <i>Major Professor:</i> H. D. Foth, Professor.
<i>Thesis:</i> Effects of Seeding Rate, Row Spacing. Rates and Methods of Application of Fertilizer Materials and Soil Moisture on Small Grain Performance. |

SCHOOL FOR ADVANCED GRADUATE STUDIES

DEGREE OF DOCTOR OF PHILOSOPHY (Continued)

- Robert E. Kitteredge B.A., New York State College for Teachers; M.A., Michigan State University.
Education. *Major Professor:* B. Steffle, Professor.
Thesis: Investigation of Differences in Occupational Preferences, Stereotypic Thinking, and Psychological Needs Among Undergraduate Women Students in Selected Curricular Areas.
- Lowell Nelson Lewis B.S., Pennsylvania State University; M.S., Michigan State University.
Horticulture. *Major Professor:* A. L. Kenworthy, Professor.
Thesis: Studies on the Nutrition of Bartlett Pear Trees (*Pyrus Communis* L.) and Fire Blight (*Erwinia Amylovora*, Burr.).
- Ulric Svante Lindholm B.S., M.S., Michigan State University.
Applied Mechanics. *Major Professor:* C. A. Tatro, Associate Professor.
Thesis: An Experimental Determination of the Stress-Strain Rate Relations of Several Metals.
- James Charles Lingoes A.B., University of California.
Psychology. *Major Professor:* L. L. McQuitty, Professor.
Thesis: A Generalization of Guttman's Scale Analysis.
- Mahmoud Makarechian D.V.M., University of Teheran; M.S., Michigan State University.
Animal Husbandry. *Major Professor:* W. T. Magee, Associate Professor.
Thesis: Factors Affecting the Yearling Productive Traits in Beef Cattle.
- Yasuo Masai B.A., Tokyo Higher Normal School; M.S., Tokyo Bunrika University.
Geography. *Major Professor:* A. K. Philbrick, Associate Professor.
Thesis: Lansing, Michigan and Shizuoka, Japan—A Comparison of Areal Function Organization in Two Different Environments.
- Allen J. Matherne B.A., S.E. Louisiana College; M.B.A. Indiana University.
Education. *Major Professor:* H. Dillon, Professor.
Thesis: An Analysis and Evaluation of an Experimental Program Designed to Increase the Level of Economic Understanding Among Adults.

DEGREE OF DOCTOR OF PHILOSOPHY (Continued)

- ~ Charles G. Mead B.A., University of Minnesota; M.S., Michigan State University.
Agricultural Chemistry. *Major Professor:* A. S. Fox, Associate Professor.
Thesis: Isolation and Characterization of *Drosophila Melanogaster*
Deoxyribonucleic Acid.

- ~ Raman Gopinath Menon B.S., Poona University, India; M.S., Michigan State University.
Soil Science. *Major Professor:* K. Lawton, Professor.
Thesis: A Study of the Behavior of Fused Potassium Phosphates in Soil.

- ~ Rudolph Charles Muska B.A., M.A., University of Minnesota.
Philosophy. *Major Professor:* L. K. Zerby, Professor.
Thesis: A Comparison of Antithetical Religious Conceptions in Kirkegaard
and Spinoza.

- ~ Earl Abraham Myers B.S., M.S., Pennsylvania State University.
Agricultural Engineering. *Major Professor:* E. H. Kidder, Associate Pro-
fessor.
Thesis: Hydrologic Analysis of a Small Agricultural Watershed.

- ~ Richard Carroll Nelson B.S., St. Olaf College; M.A., University of Houston.
Education. *Major Professor:* H. J. Montoye, Professor.
Thesis: An Investigation of Various Measures Used in Football Helmet
Evaluation.

- ~ Mansour Nicknejad B.S., Teheran University; M.S., Michigan State University.
Farm Crops. *Major Professor:* F. C. Elliot, Professor.
Thesis: Cytogenetic Evaluation of Rye Germ-Plasm for Forage Improve-
ment.

- ~ David Richard Pratt B.S., M.S., Southwest Texas State College.
Animal Husbandry. *Major Professor:* W. T. Magee, Associate Professor.
Thesis: A Comparison of Mass Selection with Inbred Lines and Line
Crosses in the Laboratory Rat.

SCHOOL FOR ADVANCED GRADUATE STUDIES

DEGREE OF DOCTOR OF PHILOSOPHY (Continued)

- Robert J. Reilly M.A., Ph.B., University of Detroit.
English. *Major Professor:* B. Duffey, Professor.
Thesis: Romantic Religion in the Works of Owen Barfield, Charles Williams, C. S. Lewis, and J. R. R. Tolkien.
- Clifford Elroy Samuels B.S., University of California (Berkeley); M.S., Michigan State University.
Food Science. *Major Professor:* C. L. Bedford, Professor.
Thesis: Effect of Certain Packing Factors on Frozen Strawberries and Raspberries in Michigan and Oregon.
- Gordon Jay Sterken B.A., Hope College.
Chemistry. *Major Professor:* R. M. Herbst, Professor.
Thesis: Synthesis of Tetrazoles as Amino Acid Analogs.
- David Denis Sutton B.S., M.S., Michigan State University.
Animal Husbandry. *Major Professor:* J. E. Nellor, Associate Professor.
Thesis: The Concentration of ACTH and Growth Hormone in Bovine Plasma.
- Marvin Paul Thompson B.S., M.S., Kansas State College.
Food Science. *Major Professor:* J. R. Brunner, Professor.
Thesis: The Structure of the Milk Fat-Globule Membrane.
- Burton Howard Wayne B.S., M.S., Michigan State University.
Electrical Engineering. *Major Professor:* H. E. Koenig, Professor.
Thesis: Numerical Analysis of Magnetic Amplifier Circuits.
- David Richard Wilken B.A., Blackburn College; M.S., University of Illinois.
Agricultural Chemistry. *Major Professor:* R. G. Hansen, Professor.
Thesis: A Nucleotide-Peptide Isolated from Bovine Liver.

SCHOOL FOR ADVANCED GRADUATE STUDIES

DEGREE OF DOCTOR OF EDUCATION

- Melvin Clarence Buschman B.S., M.A., Michigan State University.
Education. *Major Professor:* W. H. Roe, Professor.
Thesis: An Analysis of the Effects of the Michigan Secondary School-College Agreement upon Four-Year Michigan College Admission Offices from 1946-1959.
- John Robert Kimball B.S., Alma College; M.A., Michigan State University.
Education. *Major Professor:* K. Hereford, Associate Professor.
Thesis: Analysis of Institutional Objectives in Community Colleges.
- Rolf Edward Moeckel B.S., M.A., Michigan State University.
Education. *Major Professor:* H. M. Byram, Professor.
Thesis: The Effectiveness of Practices of Individual On-Farm Instruction Used by Teachers of Adult-Farmer Courses in Michigan.
- Earl Maurice Pernert B.S., Central Michigan University; M.A., Michigan State University.
Education. *Major Professor:* C. Campbell, Professor.
Thesis: A Study of Certain Aspects of Communication Programs in Selected Class C Public Schools in Michigan.
- Ellwood A. Voller B.S., Western Michigan College; M.A., Michigan State University.
Education. *Major Professor:* W. F. Johnson, Professor.
Thesis: A Report of an Experimental Orientation Forum for Parents of M.S.U. Students.

Terne Williams

GRADUATES AS OF SEPTEMBER 2, 1960

DEGREE OF DOCTOR OF PHILOSOPHY

- Madan B. L. Bharadwaj G.B.V.C., Bihar Veterinary College, Patna, India; M.S., Michigan State University.
Anatomy. *Major Professor:* M. L. Calhoun, Professor.
Thesis: Histology of the Urethra and Accessory Sex Glands of the Domestic Animals, and Observations on the Surgical Insertion of the Urinary Bladderneck into the Descending Colon in the Dog.

SCHOOL FOR ADVANCED GRADUATE STUDIES

DEGREE OF DOCTOR OF PHILOSOPHY (Continued)

- Edwin Cohen B.S., DePaul University; M.A., Michigan State University.
Business Administration. *Major Professor:* J. D. Edwards, Professor.
Thesis: Some Aspects of the Structure of Accounting Theory.
- Ramchandra G. Desai B.A., University of Bombay; M.A., Wayne State University.
Social Science. *Major Professor:* I. Ishino, Associate Professor.
Thesis: A Comparison of the Images of Gandhi and Nehru in India and America: A Study in Content Analysis.
- Clive Wellington Donoho, Jr. B.S., University of Kentucky; M.S., North Carolina State College.
Horticulture. *Major Professor:* A. E. Mitchell, Professor.
Thesis: The Absorption, Translocation, and Enzymatic Destruction of ¹⁴C Labeled Growth Regulators When Used as Chemical Thinning Agents for the Peach (*Prunus Persica*, Sieb, Zucc.) and the Apple (*Malus Domestica*, Bork.).
- Ralph W. Gilchrist B.S., Tri-State College; M.S.E., University of Michigan.
Electrical Engineering. *Major Professor:* H. E. Koenig, Professor.
Thesis: A Digital Computer Solution of Synchronous Machine Differential Equations in Some Power Systems Stability Problems.
- Robert Hillery Hamilton B.S., University of Illinois; M.S., Rutgers University.
Botany and Plant Pathology. *Major Professor:* R. S. Bandurski, Professor.
Thesis: I. Studies on Plant Growth Substances (and) II. Isolation and Partial Characterization of the Precursor of 6-Methoxybenzoxazolinone in Zea Mays.
- David Paul Heaney B.S., M.S., Montana State College.
Animal Husbandry. *Major Professor:* J. A. Hoefer, Professor.
Thesis: Effects of a Marginal Vitamin A Intake During Gestation in Swine.
- John Alva Jaynes B.S., Sam Houston State Teachers College; B.S., M.S., Texas Technological College.
Dairy. *Major Professor:* L. G. Harmon, Professor.
Thesis: Effect of pH and Brine Concentration on Growth and Thermal Destruction of PA 3679 in Processed Cheese Spread.

SCHOOL FOR ADVANCED GRADUATE STUDIES

DEGREE OF DOCTOR OF PHILOSOPHY (Continued)

- Perry Brooke Johnson B.S., University of Maryland; M.S., Pennsylvania State University.
Health, Physical Education and Recreation. *Major Professor:* H. J. Montoye, Professor.
Thesis: The Relative Effects of Exercise and Caloric Restriction in Controlling Blood Cholesterol in Rats.
- William Howard Johnson B.S., M.S., Ohio State University.
Agricultural Engineering. *Major Professor:* W. F. Buchele, Associate Professor.
Thesis: A Soil Moisture Loss Method for Characterizing Simulated Tillage Treatments.
- Martin G. Keeney B.S., M.S., Iowa State College.
Electrical Engineering. *Major Professor:* G. P. Weeg, Associate Professor.
Thesis: Recursive Functions and Finite Automata.
- Bernard Klammer B.A., Calvin College.
Zoology. *Major Professor:* R. A. Fennell, Professor.
Thesis: A Chemical and Cytochemical Investigation of Acid Phosphatases of *Tetrahymena Pyriformis* W.
- Robert Karl Knapp B.A., M.A., Kent State University.
Psychology. *Major Professor:* M. R. Denny, Professor.
Thesis: Acquisition and Extinction of Avoidance as a Function of the Escape Situation.
- Lawrence Dale Koehler B.S., Otterbein College.
Zoology. *Major Professor:* R. A. Fennell, Professor.
Thesis: A Histochemical and Biochemical Investigation of the Polysaccharides, Esterases, and Dehydrogenases of *Tetrahymena Pyriformis* (Strain W).

SCHOOL FOR ADVANCED GRADUATE STUDIES

DEGREE OF DOCTOR OF PHILOSOPHY (Continued)

- Frank James Kosier B.S., M.S., Michigan State University.
Mathematics. *Major Professor:* R. H. Oehmke, Associate Professor.
Thesis: On a Class of Non-Flexible Algebras.
- Bung-Chung Lee B.S., National Taiwan University; M.S., Georgia Institute of Technology.
Mechanical Engineering. *Major Professor:* J. E. Lay, Professor.
Thesis: Experimental and Analytical Study of Influence of Entry Angle
in Vortex Flow Temperature Separation.
- Kyu Yawp Lee B.A., B.S., M.S., Michigan State University.
Poultry Husbandry. *Major Professor:* J. A. Davidson, Professor.
Thesis: Costs and Efficiency of Designated Poultry Processing Plants in
Michigan.
- Virginia Harvey Mallmann B.S., M.S., Michigan State University.
Microbiology and Public Health. *Major Professor:* C. H. Cunningham,
Professor.
Thesis: The Demonstration of a Cell-Attachment-and-Growth Factor and
Comparative Studies of Infectious Bronchitis Virus Before and After
Separation from the Factor.
- Joseph John Mancuso B.A., Carleton College; M.S., University of Wisconsin.
Geology. *Major Professor:* J. Zinn, Professor.
Thesis: Stratigraphy and Structure of the McCaslin District, Wisconsin.
- Roger Henry Marz B.A., Illinois Institute of Technology; M.S., Michigan State University.
Political Science. *Major Professor:* F. A. Pinner, Associate Professor.
Thesis: Voting Shifts in a Suburban Community: A Study of Migrants
from Detroit, 1952-1956.
- Raymond L. Morter B.S., Iowa State College; M.S., Michigan State University; D.V.M., Iowa
State College.
Microbiology and Public Health. *Major Professor:* L. C. Ferguson, Dean.
Thesis: The Pathogenesis of Leptospiral Infections (*Leptospira pomona*)
During Pregnancy in Cattle and Swine.

SCHOOL FOR ADVANCED GRADUATE STUDIES

DEGREE OF DOCTOR OF PHILOSOPHY (Continued)

- Willis Calvin Owens B.A., David Lipscomb College; M.S., George Peabody College.
Zoology. *Major Professor:* J. R. Shaver, Professor.
Thesis: The Effects of Adult Tissue Homogenates, and of Antisera Against Adult Tissues, on Embryonic Development in the Frog.
- George Edward Philips B.A., Montana State University; M.S., St. Louis University.
Business Administration. *Major Professor:* C. J. Gaa, Professor.
Thesis: Integration of Corporate and Individual Income Taxation.
- Robert Arthur Pierson B.S., M.S., Illinois State Normal University.
Education. *Major Professor:* B. Steffire, Professor.
Thesis: Alternation Behavior in Mentally Retarded and Normal Children.
- James Franke Price B.S., University of Tennessee; M.S., Michigan State University.
Animal Husbandry. *Major Professor:* A.M., Pearson, Professor.
Thesis: The Use of Ultrasound in Meat Animal Evaluation.
- Richard Warren Rice B.S., M.S., University of Nebraska.
Animal Husbandry. *Major Professor:* J. A. Hoefer, Professor.
Thesis: The Relation of Certain End Products of Rumen Fermentation to Forage Feeding Value.
- Mary Ellen Roach A.B., University of Kansas; M.S., Iowa State College.
Sociology and Anthropology. *Major Professor:* W. B. Brookover, Professor.
Thesis: The Influence of Social Class on Clothing Practices and Orientation at Early Adolescence: A Study of Clothing-Related Behavior of Seventh Grade Girls.
- Vito Joseph Sarli B.S., M.S., Worcester Polytechnic Institute.
Chemical Engineering. *Major Professor:* C. M. Cooper, Professor.
Thesis: Extraction in Packed Columns Pulsed and Unpulsed.

SCHOOL FOR ADVANCED GRADUATE STUDIES

DEGREE OF DOCTOR OF PHILOSOPHY (Continued)

Warren Louis Sauer B.A., Wayne University; M.A., Michigan State University.
Sociology and Anthropology. *Major Professor:* W. H. Form, Professor.
Thesis: Labor and Business Images of Community Power Structure: Convergences and Divergences.

Robert Wayne Seerley B.S., Purdue University; M.S., Michigan State University.
Animal Husbandry. *Major Professor:* J. A. Hoefer, Professor.
Thesis: The Effect of Pelleting Swine Rations on the Performance of Swine and Rats.

John Paul Sibilio B.S., Boston University; Ed.M., Harvard University.
Psychology. *Major Professor:* D. M. Johnson, Professor.
Thesis: The Effect of Perphenazine on Focus of Attention in Schizophrenia.

John Bernard Sjo B.S., M.S., Kansas State University.
Agricultural Economics. *Major Professor:* L. W. Witt, Professor.
Thesis: Technology: Its Effect on the Wheat Industry.

K. M. Srinivasan M.S., Annamalai University, India.
Horticulture. *Major Professor:* C. Hamner, Professor.
Thesis: Some Modifications in the Behavior of *Lycopersicum Esculentum* As a Result of Foliar Sprays of Maleic Hydrazide.

Shashkikala Sukhatme B.S., Fergusson College; B.S., M.S., University of Poona.
Statistics. *Major Professor:* I. Olkin, Associate Professor.
Thesis: Asymptotic Theory of Some Non-Parametric Tests.

Aina Valdmanis Pharmacist Degree, University of Erlangen, Germany; M.S., Michigan State University.
Microbiology and Public Health. *Major Professor:* W. N. Mack, Professor.
Thesis: The Effect of Various Enzymes on the Antigenic Activity of Heated and Unheated Bordetella Suspensions.

DEGREE OF DOCTOR OF PHILOSOPHY (Continued)

- Dallas Gene Waddill B.S., Arkansas State College; M.S., Michigan State University.
Animal Husbandry. *Major Professor:* D. E. Ullrey, Assistant Professor.
Thesis: Hematology of the Fetal and Newborn Pig. 1. Cellular Populations and Serum Protein Concentrations.
- Streighton Arthur Watts A.B., M.A., Pennsylvania State University.
Political Science. *Major Professor:* J. LaPalombara, Professor.
Thesis: The Influence of Socio-Economic Factors on Party Vote in the Italian General Election of June 7, 1953.
- Philip Eugene Wigen B.A., Pacific Lutheran College.
Physics and Astronomy. *Major Professor:* J. A. Cowen, Assistant Professor.
Thesis: Paramagnetic Resonance Absorption in Several Electron Irradiated Molecular Crystals.
- James Alfred Williams B.S., M.S., D.V.M., Michigan State University.
Veterinary Pathology. *Major Professor:* C. C. Morrill, Professor.
Thesis: The Clinicopathologic Effects of Thyroidectomy on Reproductive and Other Body Functions in the Male Goat.
- Donald Gray Williamson A.B., M.A., Wayne State University.
Speech. *Major Professor:* M. N. Nelson, Associate Professor.
Thesis: An Investigation into Abbreviated Clinical Procedures for Hearing Aid Evaluations.
- Walter Bruce Zimmerman B.A., Emmanuel Missionary College.
Physics and Astronomy. *Major Professor:* D. J. Montgomery, Professor.
Thesis: Infrared Absorption Spectra of Isotopically Enriched Lithium Hydride.

SCHOOL FOR ADVANCED GRADUATE STUDIES

DEGREE OF DOCTOR OF EDUCATION

- Otis J. Aggertt B.E., Western Illinois State College; M.A., University of Illinois.
Teacher Education. *Major Professor:* M. Muntyan, Professor.
Thesis: A Study of the Teaching of Oral Interpretation in Michigan,
Selected Textbooks and the Practices in Extra-Classroom Activities.
- Ferris Nathan Crawford A.B., Central Michigan College; A.M., University of Michigan.
Administrative and Educational Services. *Major Professor:* S. E. Hecker,
Associate Professor.
Thesis: A Study of Selected Factors Relating to College Enrollment of
Public High School Graduates Within 6 Months After Graduation.
- Nye Lee Labaw B.S., M.S., University of Illinois.
Health, Physical Education and Recreation. *Major Professor:* K. J. Mc-
Cristal, Professor
Thesis: A Study of the Acceptance and Rejection of the Foundations of
Physical Education Course by Freshman Men at Michigan State
University.
- Alfred Otto Niemi B.S., M.S., Michigan State University.
Teacher Education. *Major Professor:* H. M. Byram, Professor
Thesis: Instruction in Forest Practice in Michigan Public Schools with
Implications for Teacher Education.
- Rex Beach Smith A.B., Western Michigan University; M.A., University of Michigan.
Administrative and Educational Services. *Major Professor:* C. M. Camp-
bell, Professor.
Thesis: A Comparative Study of the Expectations Which Teachers, Ad-
ministrators, School Board Members and Citizens of Three School
Districts Have of the Teacher's Role in School and Community.
- Wayne Dean Woodby A.B., Central Michigan University; M.A., Michigan State University.
Administrative and Educational Services. *Major Professor:* W. H. Roe,
Professor.
Thesis: An Analysis of National and State Pupil Transportation with Spe-
cial Emphasis on Cost Factors in Ten Selected Michigan Counties.