

Archives

**WAYNE STATE** \_\_\_\_\_  
**UNIVERSITY**  
**COMMENCEMENT**



**MASONIC TEMPLE**  
**JANUARY 28, 1958**

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The Wayne State University Symphony Orchestra under the direction of Valter Poole

Citations for Honorary Degree Candidates written by Thelma G. James

The marshals and ushers serving during this commencement exercise are undergraduate students of the University

**HYMN TO WAYNE**

To thee, our Alma Mater,  
Homage we bring.  
Brave hearts raise grateful voices  
Thy praise to sing.  
Young art thou, young and strong;  
Renowned shalt thou live, and long;  
Honors to thee will throng —  
And Fame to thee cling.

We laud thee, Alma Mater,  
Guardian of Right.  
Thou art our guide, our mentor —  
Thy name shines bright.  
Keep Learning's light aflame,  
And hold Truth a sacred name,  
Honor, thy steadfast aim.  
All hail to thy might!

—Nicholas Stanley Oates

**ORDER OF EXERCISES**

**OVERTURE**

Overture from Symphony D Minor

Franck

**PROCESSIONAL**

The Emperor March

Wagner

(The audience is asked to rise as the academic procession enters  
and to remain standing until the Invocation has been pronounced)

**THE NATIONAL ANTHEM**

**INVOCATION**

The Reverend Robert M. Frehse, B.A., M.A., D.D.  
Executive Director, Detroit Round Table of Catholics, Jews, and Protestants

**FOREWORD**

The Honorable Leonard Kasle, Chairman, Wayne State University Board of Governors

**THE CONFERRING OF THE HONORARY DEGREES**

Clarence B. Hilberry, Ph.D., L.H.D., President of the University

**HYMN TO WAYNE**

(The audience is requested to rise for the singing of the Hymn.)

**THE CONFERRING OF THE ACADEMIC DEGREES**

WELCOME TO THE ALUMNI ASSOCIATION  
Homer D. Strong, A.M., Director, Alumni Relations

**DECLARATION OF CIVIC LOYALTY**

Arthur Neef, A.B., J.D., Vice-President and Provost

**BENEDICTION**

(The audience is requested to rise for the Benediction  
and to remain standing until the Recessional is completed.)

**RECESSIONAL**

Festival March from Queen of Sheba

Gounod

## CANDIDATES FOR HONORARY DEGREES

### FOR THE HONORARY DEGREES

#### DOCTOR OF HUMANE LETTERS

##### SAMUEL LYMAN ATWOOD MARSHALL

Brigadier General Samuel Lyman Atwood Marshall, a native of New York State, has lived as a citizen of the world upon which he comments as former staff historian of the United States Army and as chief editorial writer and military critic for THE DETROIT NEWS.

His technical manuals for military orientation and indoctrination, and his programs for staff research have become models of their kind. But it is as military analyst and historian that his finest work has been done.

His numerous articles and books dealing with the complex military campaigns in the European and Central Pacific Theaters of World War II are the brilliant work of a much-decorated combat soldier, a lifetime journalist, and a perceptive historian. In the drama of war, too appalling and complex for most of us to grasp, we are shown the heroism of the individual soldier, the tragedy of the homeless family, the ravaged beauty of the shattered landscape, and the life-in-death laughter of men at war who would choose not to be there.

Cosmic forces and human beings are his subject; incisiveness and cumulative effect his method; a complete and vivid re-presentation his accomplishment.

#### DOCTOR OF HUMANITIES

##### ALLAN NEVINS

A.B.; A.M.; Litt.D.; LL.D.; L.H.D.

Allan Nevins, a native of Illinois, twice a Pulitzer Prize winner, is Professor of American History at Columbia University.

His long and distinguished career as journalist, editor, and publisher provided an enviable background for a quarter century of teaching in American and foreign universities.

The bibliography of his writings constitutes for the American historical scene a superb critique of its mores and its men. His skill in biographical delineation and in the evaluation of events has rarely been equalled. Through the preparation of archive materials and the training of professional historians, he has helped to ensure the future of American scholarship.

#### DOCTOR OF LAWS

##### HAROLD CLAYTON UREY

B.S.; Ph.D.; D.Sc.; LL.D.

Harold Clayton Urey, a native of Indiana, winner of the Nobel Prize in Chemistry, is Martin A. Ryerson Distinguished Service Professor of Chemistry in the Enrico Fermi Institute for Nuclear Studies at the University of Chicago.

A lifetime of teaching, brilliant research, and publication in Chemistry and Physics has brought him many international honors and awards. The record of progress made in atomic and nuclear studies constitutes high tribute to his imagination and leadership in the field.

Recognized as one of the greatest scientists of our age, he continues to bring renown to the United States through his contributions to the cooperative effort of the international Geophysical Year.

#### DOCTOR OF SCIENCE

##### MARTHA MAY ELIOT

A.B.; M.D.

Martha May Eliot, a native of Massachusetts, a former chief of the Children's Bureau of the United States Department of Labor, is now Professor and Head of the Department of Maternal and Child Health in the Faculty of Public Health at Harvard University.

Her brilliant career in teaching, research, and publication in the field of pediatrics extended into a period of public health administration for the government that was distinguished by vigorous leadership and forthright solution to problems.

Through her service on the committees of world health organizations and conferences, she assisted in developing wholly new programs in maternal and child health. In a time when the health of one may affect the well-being of many, the significance of her lifetime devotion to the improvement of medical care is incalculable.

## CANDIDATES FOR GRADUATE DEGREES

### From the Graduate School

Lloyd Allen Cook, Ph.D., Dean of the Graduate School and Vice-President for Graduate Studies

### FOR THE DOCTOR'S DEGREES

#### DOCTOR OF PHILOSOPHY

JACOB J. DeYOUNG, A.B., 1950, Hope College; M.S., 1952, Wayne State University  
*Dissertation Subject: "Mode of Reaction of Ketenimines with Carboxylic Acids."*

WILLIAM ERVIN FAUNCE, B.A., 1950, Michigan State University; M.A., 1952, Wayne State University  
*Dissertation Subject: "Automation in the Automobile Industry: Some Consequences for In-Plant and Union-Management Relationships."*

JOHN J. HOEKSTRA, B.S., 1951, Calvin College  
*Dissertation Subject: "The Role of Brighteners in the Electrodeposition of Metals."*

MALOYE R. HOLMES, B.A., 1932, James Millikin University; M.S. (Chem.), 1938, University of Illinois  
*Dissertation Subject: "Electrodeposition of Chromium from Low Valence Compounds."*

DAISY S. McCANN, B.A., 1950, University of Toronto; M.S., 1956, Wayne State University  
*Dissertation Subject: "A Surface Tension Study of Serum."*

JOHN EARL NEUFER, B.S., 1949, Bluffton College  
*Dissertation Subject: "A Study of the Color Development of 2,4,6-Trinitrobenzoic Acid in Acetone."*

#### DOCTOR OF EDUCATION

DANIEL HAROLD BOWMAN, B.S., 1946, McPherson College; M. Educ., 1952, Wayne State University  
*Dissertation Subject: "The Preparation of Inexpensive Audio-Visual Teaching Materials, a Course for Teachers at Wayne State University."*

SOPHIE VERONICA CHESKIE, Ph.B., 1930, University of Chicago; M.B.A., 1946, University of Chicago  
*Dissertation Subject: "An Appraisal of the Adult Education Program of the Highland Park Public Schools, Highland Park, Michigan."*

RABBI LEO YEHUDAH GOLDMAN, Bachelor's Equivalent, 1940, University of Vilno; M. Arts, 1954, Wayne State University  
*Dissertation Subject: "Jewish Philosophy of Education."*

GEORGE ARTHUR HALLOCK, B.A., 1937, Carleton College; M. Educ., 1948, Wayne State University  
*Dissertation Subject: "Attitudinal Factors Affecting Achievement in Reading."*

DOROTHY BRENNAN KAUFMAN, A.B., in Educ., 1935, M. Educ., 1948, Wayne State University  
*Dissertation Subject: "A Descriptive Study of the Cooperative Nursery Movement in Michigan."*

PAUL T. LUEBKE, B.S., in Educ., 1945, Concordia Teachers College; M. Educ., 1949, Wayne State University  
*Dissertation Subject: "A Study of Lutheran Teachers' Conferences as a Means of In-Service Education."*

ERNEST L. MINELLI, B.S., 1948, Northern State Teachers College; M. Educ., 1953, Wayne State University  
*Dissertation Subject: "The Role of the Departmental Chairman in Industrial Teacher Education: A Survey of the Requirements of the Job and an Analysis and Evaluation of the Activities of the Chairman."*

**CANDIDATES FOR GRADUATE DEGREES—Continued**

**CARROLL LAMBERT MUNSHAW, A.B., 1937, Calvin College; M.A., 1941, University of Michigan**

*Dissertation Subject: "Name and Extent of Agreement and Disagreement Among Certain School Officials Regarding the Role of the County School Office in Wayne County, Michigan."*

**HELEN ROMONA POWELL, Ed.B., 1940, University of California at Los Angeles; M. Educ., 1952, Wayne State University**

*Dissertation Subject: "A Comparative Analysis of Two University Educational Programs for Non-Admissible Students Under Twenty Years of Age at Wayne State University."*

**FLOYD NESTER REISTER, B.S. in Educ., 1944, M.A., 1950, Ohio State University**

*Dissertation Subject: "The Metropolitan Detroit Bureau of Cooperative School Studies—a History and Evaluation."*

**RICHARD H. SCHELL, A.B., 1942, University of Michigan; M. Educ., 1950, Wayne State University**

*Dissertation Subject: "Quantitative Analysis of Experimental Efforts to Change Adolescent Attitudes Through a Course in 'Interpersonal Relations.'"*

**SAMUEL HARDY SPECTOR, A.B., 1933, M. of Arts in English, 1934, Wayne State University**

*Dissertation Subject: "The Social and Educational Philosophy of George Bernard Shaw."*

**EARL DAVID SUMNER, B.S., 1938, Hillsdale College, M. Arts, 1949, Wayne State University**

*Dissertation Subject: "On the Relation of Manifest Needs to Personal Values—a Factor Analytic Study Involving R and Q Techniques."*

**FOR THE MASTER'S DEGREES**

**MASTER OF ARTS**

Joseph Leo Allaire  
Reginald Bruce Becker  
Floyd Leon Benitz  
Shirley Wales Bigelow  
Thomas Clay Blinn

Charles Sofus Boesen  
Dorothy A. Borg  
Bruce Elden Bower  
Loudon Lee Campbell, III  
Charles Elliot Frazer Clark, Jr.

Charles Herbert Coleman  
Donald Earl Cowing  
Barbara Ann Carswell Darga  
Gerald Bernard Dashkin  
Harry William Daum

Helen Jane Dyni  
Dorothy Irene Elliott  
Stanley Fasbinder  
Raymond S. Franklin  
Raymond Max Fredman

Barbara Ann Gibson  
Hershel Harrison  
Joan Marie Havlena  
Tayaba Sultan Ibrahim  
Leonard J. Kazmier

Margaret Louise Knapp  
Donald Peter Koistinen  
Joseph Frank Koza  
Roman Krawec  
John Joseph Leddo

Ronald John Lewis  
Karl G. Lindgren  
Webster Churchill Martin, Jr.  
Bernard Maslanik  
Rosemary Ellen McQuade

Vasa Mihailovich  
Leonard S. Minkwic, Jr.  
George William Mitchell  
Aurelia Evangeline Turner Norton  
Thomas Frank Nothafft

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Ulysses V. Ward  
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**CANDIDATES FOR GRADUATE DEGREES—Continued**

**MASTER OF ARTS IN TEACHING COLLEGE HUMANITIES**

William Anthony Lozano                      Faye Phyllis Roper

**MASTER OF ARTS IN TEACHING COLLEGE POLITICAL SCIENCE**

Jack Kape

**MASTER OF ARTS IN TEACHING COLLEGE SOCIOLOGY**

Henry Adkin Hicks

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Raymond Edward Lee  
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Robert Gordon Oatley  
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Thompson H. Randolph  
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**MASTER OF EDUCATION**

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Pansy Pilkington

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Leo Plotkin  
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Amelia Zeigler Powell  
Jean McGarvah Powell

Mary Jane G. Powell  
Vibhavee Prabandayodhin  
Dawn Agnes Proteau  
Violet Mary Przybyl  
Ronald Edward Puchalski

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Thomas Hagle Quarnstrom  
Stuart Courtis Rankin  
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William Rowland Van Riper  
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Evangeline S. Vergos

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Aram Vosgerchian  
Theophil Herman Voss  
John Phillip Waring  
Maureen M. Waszkiewicz

Emily LeClair Waterman  
Madeline Etta Watson  
Stanley E. Wawrzyniak  
James Lyle Webers  
Barbara A. Weiner

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Sadye Wylena Westbrooks  
Dorothy Edwards Wheeler  
Charlita Elizabeth Whitby  
Ethel McKeithen Williams

Ivry Lee Moore Williams  
Marcelon Mary Williams  
Justine S. Wilson  
Robert Lee Wilson  
Elizabeth J. Woodson

Beatrice Thompson Worley  
Eleanor T. Wozniak  
Shirley Anne Wyatt  
Rosa Brent Wynn  
Frank B. Yon  
Leitha Rubritius York

**CANDIDATES FOR GRADUATE DEGREES—Continued**

**MASTER OF HEALTH ADMINISTRATION**

Leo J. Lenczewski

**MASTER OF MUSIC**

Thomas R. Paisley

**MASTER OF PUBLIC ADMINISTRATION**

Alex J. Andrews

Kent Murdock Lloyd

Donald Austin Woolf

**MASTER OF SCIENCE**

Chin Chen  
Stanley Victor Delidow  
Nicolao Alkiviadis Economou  
Thomas Richard Manley  
Myron George Marlian

Curtis Cedell Sattiewhite  
John R. Shearer  
Harley George Sheffield  
Eugene Beach Small

David Lyon Smith  
Isabel Lai-Fong Szeto  
Angelo C. Tulumello  
Oliver Thomas Zajicek

**MASTER OF SCIENCE IN CHEMICAL ENGINEERING**

Richard C. Bailie  
Jack Hen Lee  
Raymond Nelson Miller  
Charles Aloysius O'Malley

Amir Pamoentjak  
Otto Robert Schweitzer  
Stanley Kenneth Stynes, Jr.

**MASTER OF SCIENCE IN CIVIL ENGINEERING**

Henry A. Dirasian

Sidney E. Shorter

**MASTER OF SCIENCE IN ELECTRICAL ENGINEERING**

Lloyd Wallace Coombe  
Kenneth James Law

Noray Sarkisian  
Norton Savage

**MASTER OF SCIENCE IN ENGINEERING MECHANICS**

Aaron C. Barr

**MASTER OF SCIENCE IN INDUSTRIAL ENGINEERING**

Edward Andrew Magalski

**MASTER OF SCIENCE IN INTERNAL MEDICINE**

Valentino DeFazio, M.D.

Edward Raphael Powsner

**MASTER OF SCIENCE IN MECHANICAL ENGINEERING**

William Lloyd Drayer  
Daniel Gordon Gallie  
Abdel Razek Abdel Fattah Ibrahim

Earl Charles Jex, Jr.  
Richard Raymond Toepel

**MASTER OF SCIENCE IN MEDICAL TECHNOLOGY**

Constance Louise Burden

**MASTER OF SCIENCE IN METALLURGICAL ENGINEERING**

Robert Nelson Paul

**CANDIDATES FOR GRADUATE DEGREES—Continued**

**MASTER OF SCIENCE IN NURSING**

Jeannette E. Baird  
Vilma Azura Calo  
Eileen Cronican  
Amy Elizabeth Griffin

Frances A. C. McNeese  
Lucille Mikros  
E. Wanda Quay  
Gertrude Maima Ware

**MASTER OF SCIENCE IN SURGERY**

Fumio Nakayama

**CANDIDATES FOR DEGREES IN LAW**

From the Law School

Arthur Neef, A.B., J.D., Dean

**FOR THE DEGREE OF JURIS DOCTOR**

Donald Graham McGuigan

**FOR THE DEGREE OF BACHELOR OF LAWS**

Morton H. Boren  
Donald Albert Calkins  
Kathleen Copeland  
Jesse Benjamin Eggleton, Jr.  
Terry Doyle Fisher  
Marshall Fogelson  
Ronald Earl Gooch

Gerald E. Grimes  
Gerald R. Hershberger  
Lynn H. Kanaga  
Norman F. Kapcia  
Theodore Steven Klimaszewski  
Charles Gordon Niles

Robert Bernard Norgren  
William E. Oliver  
Edward Khristian Pedersen, Jr.  
Regina Faye Shapiro  
Eddie D. Smith  
William B. Willoughby

**CANDIDATES FOR THE UNDERGRADUATE DEGREES**

From the College of Engineering

J. Stuart Johnson, Ph.D., Dean

**FOR THE DEGREES IN ENGINEERING**

**BACHELOR OF SCIENCE IN AERONAUTICAL ENGINEERING**

Charles Nolan Blake  
Richard Alvan Collins

William Paul Glunt  
Paul Ortiz

Max Duaine Russell

**BACHELOR OF SCIENCE IN CHEMICAL ENGINEERING**

Hugh Edward Garrett  
Richard Earl Kienman

Donald Michael Ludlow  
Thomas William Strahan

**BACHELOR OF SCIENCE IN CIVIL ENGINEERING**

Carl Binkley Brown  
Arthur Philip D'Aoust  
Noble Alexander Gow  
John J. McClay

John Miller, Jr.  
Peter Thomas Mitches  
Robert Dean Monagin  
Winfrid Hans Neumann  
Alfred Thomas Rewers

Elmer Ray Ross, Jr.  
Dominic Sebastiani  
Hailu Shawel  
Ronald W. Zorney

**CANDIDATES FOR UNDERGRADUATE DEGREES—Continued**

**BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING**

\*Frederick Charles Becker  
Vincent Laurence Carney  
Joseph Caschera  
John B. Chiarenza, Jr.  
James Elmer Dunger

Paul Kenneth Hagen  
Jacob Lampcov  
Ralph Emerson Leach, Jr.  
Frank D. Risko

\*Richard Sorrell Stoker  
Leo J. Strelecki  
Milton James Vranich  
Itzak Z. Zamir

**BACHELOR OF SCIENCE IN INDUSTRIAL ENGINEERING**

Richard Melford Asmus  
Edward Richard Bolcer  
Roy Edward Dunbar

Walter Louis Flum  
Frederick Franz  
\*Richard Emerson Gresham

Lubomyr Alexander Lypeckyj  
Glenn W. Tannahill  
William Fong Yee

**BACHELOR OF SCIENCE IN ENGINEERING MATHEMATICS**

William Ross Allen

Chester Rydz

**BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING**

John Cunningham Alexander, Jr.  
Ronald C. Anderson  
Joseph Baca  
John Frederic Beddow  
Robert William Carlson

Robert Walter Denning  
James J. Edmond  
Stephen Paul Geoffrey  
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\*In the several colleges and schools of the University where it is customary to recognize outstanding achievement with special notice, an asterisk before a candidate's name denotes attainment of a high scholastic average. The official list of graduates cited for "distinction" or "high distinction" will be compiled subsequently and their diplomas will carry the appropriate notation. This practice is not observed in the College of Education and in the Graduate School.

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Richard Hudson Webber  
John Hugh Webster

Lee A White  
William Whitcomb Whitehouse  
Alfred Heacock Whittaker  
Charles Erwin Wilson  
Benjamin E. Young

## ON CAPS, GOWNS, AND HOODS

One of the most colorful features of an academic procession is the appearance of the graduates, the faculty, members of the governing board, and guests of the University in full academic costume. These caps, gowns, and hoods have long histories and their patterns and colors have special significance.

The gown recalls the time when all students in centers of higher learning were clerics, that is, members of the clergy, and therefore wore the garments which the Church considered proper for them.

The custom of wearing a cap comes from the Roman usage of conferring the right to wear a cap upon slaves when they were granted their freedom. At Scottish universities, such as St. Andrews, doctors are created by a ceremony called "capping" in which a cap is placed on their heads.

In modern universities, the distinctive mark of a degree is the hood. In its earliest form, the hood was simply an article of wearing apparel. The churches and lecture halls of European universities were cold, drafty places, so scholars wore hoods merely as head coverings, sometimes attached to a cape, sometimes worn separately.

American universities, unlike those of England and Europe, have adopted a standard code of academic costume. The cut and material of the gown, the color of the tassel on the cap, and the pattern and colors of the hood all have special significance.

Each person who is to receive a degree wears the gown appropriate to the degree to be granted. If he already holds a degree, he wears the hood of that degree, not the one he is to receive.

Bachelors' gowns are closed at the throat and have long, pointed sleeves. Masters' gowns are open in front and have long sleeves, square and closed at the end, the arms coming through slits near the elbow. Doctors' gowns are faced with velvet and have full, round sleeves. Each sleeve carries three bars of velvet, called chevrons.

The most colorful part of the costume is the hood. The color of the lining identifies the university which granted the highest degree held by the wearer. The color of the velvet trim indicates the faculty or department of learning in which the degree was earned.

The following table lists the color appropriate to each of the different branches of learning:

|                 |                                   |
|-----------------|-----------------------------------|
| BROWN           | FINE ARTS                         |
| BLUE—LIGHT      | EDUCATION                         |
| BLUE—PHILOSOPHY | PHILOSOPHY                        |
| COPPER          | ECONOMICS                         |
| DRAB            | BUSINESS ADMINISTRATION           |
| GOLD—YELLOW     | SCIENCE                           |
| GREEN           | MEDICINE                          |
| GREEN—SAGE      | PHYSICAL EDUCATION                |
| LEMON           | LIBRARY SCIENCE                   |
| OLIVE           | PHARMACY                          |
| ORANGE          | ENGINEERING                       |
| PINK            | MUSIC                             |
| PURPLE          | LAW                               |
| SALMON          | PUBLIC HEALTH (INCLUDING NURSING) |
| WHITE           | ARTS AND LETTERS                  |

**WAYNE STATE** \_\_\_\_\_  
**UNIVERSITY**  
**COMMENCEMENT**



**JUNE 12, 1958**  
**COLISEUM**

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---

The soloist is a member of the Wayne State University Concert Choir

The Wayne State University Band under the direction of Angelo M. Cucci

Citations for Honorary Degree Candidates written by Thelma G. James

The marshals and ushers serving during this commencement exercise are undergraduate students of the University

## HYMN TO WAYNE

To thee, our Alma Mater,  
Homage we bring.  
Brave hearts raise grateful voices  
Thy praise to sing.  
Young art thou, young and strong;  
Renowned shalt thou live, and long;  
Honors to thee will throng—  
And Fame to thee cling.

We laud thee, Alma Mater,  
Guardian of Right.  
Thou art our guide, our mentor—  
Thy name shines bright.  
Keep Learning's light aflame,  
And hold Truth a sacred name,  
Honor, thy steadfast aim.  
All hail to thy might!

—Nicholas Stanley Oates '29

## ORDER OF EXERCISES

### OVERTURE

Egmont Overture

Beethoven

### PROCESSIONAL

The Host of Youth

(The audience is asked to rise as the academic procession enters  
and to remain standing until the Invocation has been pronounced.)

Guntzel

### THE NATIONAL ANTHEM

### INVOCATION

The Reverend Warren Grafton, D.D., Central Woodward Christian Church

### FOREWORD

The Honorable Leonard Kasle, Chairman, Wayne State University Board of Governors

### THE CONFERRING OF THE HONORARY DEGREES

Clarence B. Hilberry, Ph.D., L.H.D., President of the University

### HYMN TO WAYNE

(The audience is requested to rise for the singing of the Hymn.)

DeTar '27

### THE CONFERRING OF THE ACADEMIC DEGREES

### WELCOME TO THE ALUMNI ASSOCIATION

Joseph S. Radom, '27, President, Wayne State University Alumni Association

### THE AWARDING OF R.O.T.C. CERTIFICATES

### DECLARATION OF CIVIC LOYALTY

Arthur Neef, A.B., J.D., Vice-President and Provost

### BENEDICTION

(The audience is requested to rise for the Benediction  
and to remain standing until the Recessional is completed.)

### RECESSIONAL

University Grand March

Goldman

---

**CANDIDATES FOR HONORARY DEGREES**

---

**FOR THE HONORARY DEGREES****DOCTOR OF HUMANITIES**

**JOHN CHALLIS**  
M.Ed.

John Challis, a native of Michigan, maintains in Detroit his world famous studio for the building of Harpsichords and Clavichords.

For more than thirty years, since his studies with Arnold Dolmetsch in England, he has sought to improve the basic structure of his instruments, to recover the music literature of their tradition, and by his own recitals to increase their public acceptance.

Recognized as one of the world's greatest authorities on old musical instruments and old music, he is a craftsman whose products in themselves are works of art of deceiving delicacy and beauty. By the daring use of modern materials, aluminum frames, plastic action parts, and splitproof sounding boards, he has insured the stability of the instrument and increased the volume of its tone to full-voiced proportions.

For the music students of Wayne State University, many of whom have been frequent visitors to his studio and beneficiaries of his learned lectures in our classrooms, he has made real the grace and beauty of the musical instruments and literature of our past.

**DOCTOR OF LAWS**

**ELIZABETH CAROLINE CROSBY**  
B.S.; M.S.; Ph.D.; Sc.D.

Elizabeth Caroline Crosby, a native of Michigan, a graduate and honored alumna of Adrian College, earning a doctorate in anatomy at the University of Chicago, associated since 1920 with the Medical School of the University of Michigan, she has been Professor of Anatomy since 1936.

Recipient of honors, holder of distinguished lectureships here and abroad, she is one of the world's greatest scientists. As a teacher, she has trained more of the leading neuro-anatomists of America than any other; as a research scholar, she is author of two basic texts and fifty notable analytical papers in her field; as a clinician and consultant, she is renowned throughout the world; as a dedicated human being, deeply concerned with the welfare of students, colleagues, and patients, she is greatly beloved.

By the alchemy of a magnificently disciplined mind, endless patience, unremitting tenacity of purpose, and a rare gift for cooperation with her colleagues, she has advanced neurological research and practice far beyond the expectation of any generation of scientists.

**DOCTOR OF SCIENCE IN ENGINEERING**

**JAMES HAROLD FOOTE**  
B.S. in C.E.

James Harold Foote, a native of Michigan, a graduate in Civil Engineering from Michigan State University, since 1949 he has been Chief Engineer and President of Commonwealth Associates Incorporated.

His entire professional career has been devoted to problems found in electrical distribution systems, especially those of extra high voltage. As an officer of many professional organizations, he has developed new areas of cooperative research and practice for land surveyors, architects, designers of power systems and appliances, and industry. Through many years of outstanding and effective leadership on Specifications and Standards Committees, he has worked for the establishment of national and international standardization of electrical systems and equipment. By his service on the Michigan State Board of Registration and on the Ethics Committee of the American Society for Engineering Education, he has helped to affirm the high professional standards of all engineers.

A master of technical process and electrical power administration, he has earned the respect and admiration of his professional colleagues here and abroad; a citizen of lively conscience, he merits the warm appreciation of a grateful community.

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**CANDIDATES FOR GRADUATE DEGREES**

---

From the Graduate School

Lloyd Allen Cook, Ph.D., Dean of the Graduate School  
and Vice-President for Graduate Studies

**FOR THE DOCTOR'S DEGREES****DOCTOR OF PHILOSOPHY**

**SUMNER H. BURSTEIN**, B.S. in Chem., 1953, Massachusetts Institute of Technology; M.A., 1955, Brandeis University  
*Dissertation Subject:* "I. The Triterpenes from Several Cacti; II. Contributions to the Chemistry of the Sesquiterpene Resin."

**ROBERT J. FLANNERY**, B.S., 1952, Loyola University; M.S., 1954, Wayne State University  
*Dissertation Subject:* "Studies of the Behavior of Germanium Electrodes in a Ziegler Electrolyte."

**TAI YUEN KAN**, B.S., 1949, Gannon College; M.S., 1951, University of Michigan  
*Dissertation Subject:* "The Scope and Mechanism of the Raney Nickel Desulfurization of Cyclic Hemithioketals."

**DONALD ARTHUR KEYWORTH**, B.S., 1951, University of Michigan; M.S., 1954, Michigan State University  
*Dissertation Subject:* "Sodium Hydrogen Diglycolate — A New Reagent in Analytical Chemistry."

**GERALD W. KRAKOWER**, B.A., 1951, Yeshiva College; A.M., 1953, Columbia University  
*Dissertation Subject:* "I. A Novel Cactus Sterol: The Structure and Stereochemistry of Lophenol; II. The Synthesis and Rotatory Dispersion of Cyclic Ketones."

**WALTER G. LEVINE**, B.S. in Pharm., 1952, M.S., 1954, Wayne State University  
*Dissertation Subject:* "Studies on the Purification of Thrombin."

**ROBERT LESLIE McLEAN**, B.S. (Chem.), 1950, University of Michigan; M.S., 1956, Wayne State University  
*Dissertation Subject:* "Studies Concerning the Synthesis of Epoxyethers."

**IRVING MELCER**, B.S. in Pharm., 1953, Wayne State University  
*Dissertation Subject:* "Some Factors Affecting the Biosynthesis of Porphyrins."

**RICHARD FRANCIS SKONIECZNY**, B.S. in Chem., 1951, M.S., 1953, Wayne State University  
*Dissertation Subject:* "I. Determination of Radioactive Niobium in Water and Foods; II. Determination of Radioactive Ruthenium in Water and Sewage; III. The Use of Thiomatic Acid as an Analytical Reagent for Cadmium."

CANDIDATES FOR GRADUATE DEGREES—Continued

ROGER JOSEPH THIBERT, B.A., 1951, University of Western Ontario; M.S., 1954, University of Detroit

*Dissertation Subject:* "I. A Study of the Batchwise Technique of Ion Exchange Resins for the Separation of D-Glucuronolactone from D-Glucose in Pure Solutions; II. The Reduction of D-Glucuronolactone Using a Dropping Mercury Electrode; III. A Critique of Some Recent Methods for the Determination of Serum Cholesterol."

DOCTOR OF EDUCATION

L. VERDELLE CLARK, B.S., 1936, Bates College; M. Educ., 1952, University of Maine

*Dissertation Subject:* "The Effect of Mental Practice on the Development of a Certain Motor Skill."

CYNTHIA M. COLVIN, A.B., 1943, M. Educ., 1950, Wayne State University

*Dissertation Subject:* "Achieving Readiness for Student Teaching Through Direct Experience."

SOL M. ELKIN, B.S. in Educ., 1941, M. Educ., 1948, Wayne State University

*Dissertation Subject:* "The Critical Requirements for the Secondary School Supervising Teacher as Perceived by Student-Teachers and Supervising Teachers."

ANN TRIMBLE GALBRAITH, A.B., 1938, Western Michigan College of Education; M. Educ., 1952, Wayne State University

*Dissertation Subject:* "A Survey of a Changing School in an Area of Mobile Population."

H. L. HELTON, B.S., 1949, M.S., 1951, Oklahoma A. & M. College

*Dissertation Subject:* "Evaluation in Industrial Arts Teacher Education."

ALVIN ROGER LAPPIN, A.B. (I.E.), 1939, Santa Barbara State College; M. Educ., 1951, Wayne State University

*Dissertation Subject:* "An Evaluation of Procedures for Introducing New Materials, Tools and Processes in Industrial Arts Teacher Education."

RICHARD EDWARD LLOYD, B.S. in Educ., 1950, M.A. in Educ., 1953, Arizona State College

*Dissertation Subject:* "A Case Study in Teacher Education."

JOSEPH MELTON, A.B., 1942, M. Educ., 1952, Wayne State University

*Dissertation Subject:* "Perceptions of the Ideal and Actual Role of the Elementary School Principalship."

GEORGE HERBERT OWEN, B.E.E., 1945, North Carolina State College; A.B., 1943, M.A., 1948, Wayne State University

*Dissertation Subject:* "An Analysis of the Phonemes of English Speech with Instructional Materials for Teaching them to Non-English-Speaking Persons."

CANDIDATES FOR GRADUATE DEGREES—Continued

JACOB SCHOEPLER, B.S. in Educ., 1943, State Teachers College (Pa.); M. Educ., 1949, Wayne State University

*Dissertation Subject:* "A Case Study of Production Foreman's Activities and Problems."

BARTHOLOMEW D. WALL, B.S. in Educ., 1949, M. Educ., 1951, Wayne State University

*Dissertation Subject:* "Some Attitudinal Differences Among Educational Specialists, Administrators and Teachers."

FOR THE MASTER'S DEGREES

MASTER OF ARTS

Doris Lola Adler  
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Edward Everett Bice  
Edlwiss A. Bryant  
Carl Lloyd Button

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Doris Diddams  
Wilma Frances Dowling  
Kenneth James Downes  
Vernon J. Easterling

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Ivan Galantic  
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James William Hill  
Lawrence David Hochman

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Ruth L. Hunter  
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Sidney Jordan  
Mihran Avedis Kupelian  
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David Lee Johnson  
Alice Murray Mann

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**CANDIDATES FOR DEGREES IN LAW AND MEDICINE**

From the Law School

Arthur Neef, A.B., J.D., Dean

**FOR THE DEGREE OF MASTER OF LAWS**

Lewis A. Rockwell

Richard V. Nahabedian

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Lysle G. Hall, Jr.  
David Gann Heilbrun

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Sheldon P. Otis  
Joseph C. Pallenberg  
Donald S. Paul

Thomas L. Young  
David L. Zimmerman

From the College of Medicine

Gordon H. Scott, Ph.D., Dean

**FOR THE DEGREE OF DOCTOR OF MEDICINE**

Guido Wm. Annessa  
Norman Joseph Arends  
\*Roy E. Arons  
Ophelia Palevich Baker  
Thomas A. Baker

Leroy Clark Barry  
Marshall Jay Blondy  
Sanford R. Boley, II  
\*Joseph V. Catalano  
Robert Wilson Clifford

Julius V. Combs  
\*J. Russell Croteau  
Marcine C. Davies  
Frederick A. Doornbos  
Daniel Sheldon Elman

**CANDIDATES FOR DEGREES IN LAW AND MEDICINE —Continued**

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Robert Lynn Friedlander  
Morris Frumin  
Joseph Edward Gregory

Aaron Lupovitch  
Rex A. McConnell  
Harold Otto Messmer  
Irving Morton Miller  
Warren S. Nesbit

Sanford Shapiro  
\*Francis Paul Shea  
John W. Sherman  
Sheldon N. Siegel  
Allen Robert Soble

Norman Helman  
Alan K. Hendra  
G. David Hoag  
Margaret A. Holbrook  
Murray Lee Janower

Joseph S. Pensavecchia  
Shirley Jenkins Phelps  
Edward James Potchen  
Jack Richard Price  
A. Michael Prus

Thomas H. Somerville  
Joseph William Stern  
Earl John Stine, Jr.  
Charles Gregory Stoyka  
Ernest George Strauss

J. Peter Johnston  
Stanley N. Jones  
Richard Komisaruk  
Edward G. Krug  
G. Donald Laaksonen

Jarlath Quinn  
Raymond William Rebandt  
John Herbert Reed, Jr.  
Richard E. Reinhard  
Arthur Jerome Ross

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The appearance of a name on these lists is presumptive, but not conclusive evidence of graduation.

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**ON CAPS, GOWNS, AND HOODS**

One of the most colorful features of an academic procession is the appearance of the graduates, the faculty, members of the governing board, and guests of the University in full academic costume. These caps, gowns, and hoods have long histories and their patterns and colors have special significance.

The gown recalls the time when all students in centers of higher learning were clerics, that is, members of the clergy, and therefore wore the garments which the Church considered proper for them.

The custom of wearing a cap comes from the Roman usage of conferring the right to wear a cap upon slaves when they were granted their freedom. At Scottish universities, such as St. Andrews, doctors are created by a ceremony called "capping" in which a cap is placed on their heads.

In modern universities, the distinctive mark of a degree is the hood. In its earliest form, the hood was simply an article of wearing apparel. The churches and lecture halls of European universities were cold, drafty places, so scholars wore hoods merely as head coverings, sometimes attached to a cape, sometimes worn separately.

American universities, unlike those of England and Europe, have adopted a standard code of academic costume. The cut and material of the gown, the color of the tassel on the cap, and the pattern and colors of the hood all have special significance.

Each person who is to receive a degree wears the gown appropriate to the degree to be granted. If he already holds a degree, he wears the hood of that degree, not the one he is to receive.

Bachelors' gowns are closed at the throat and have long, pointed sleeves. Masters' gowns are open in front and have long sleeves, square and closed at the end, the arms coming through slits near the elbow. Doctors' gowns are faced with velvet and have full, round sleeves. Each sleeve carries three bars of velvet, called chevrons.

The most colorful part of the costume is the hood. The color of the lining identifies the university which granted the highest degree held by the wearer. The color of the velvet trim indicates the faculty or department of learning in which the degree was earned.

The following table lists the color appropriate to each of the different branches of learning:

|                 |                                   |
|-----------------|-----------------------------------|
| BROWN           | FINE ARTS                         |
| BLUE-LIGHT      | EDUCATION                         |
| BLUE-PHILOSOPHY | PHILOSOPHY                        |
| COPPER          | ECONOMICS                         |
| DRAB            | BUSINESS ADMINISTRATION           |
| GOLD-YELLOW     | SCIENCE                           |
| GREEN           | MEDICINE                          |
| GREEN-SAGE      | PHYSICAL EDUCATION                |
| LEMON           | LIBRARY SCIENCE                   |
| OLIVE           | PHARMACY                          |
| ORANGE          | ENGINEERING                       |
| PINK            | MUSIC                             |
| PURPLE          | LAW                               |
| SALMON          | PUBLIC HEALTH (INCLUDING NURSING) |
| WHITE           | ARTS AND LETTERS                  |