



SUMMER COMMENCEMENT
YOUNGSTOWN STATE UNIVERSITY

BEEGLY CENTER
SATURDAY MORNING, AUGUST TWENTY-THIRD
NINETEEN HUNDRED AND EIGHTY-SIX
TEN O'CLOCK



ALMA MATER

All hail to thee, O Youngstown,
Our Alma Mater fair;
In sunlight and starshine
We see thee in all thy glory.
The Red and the White, thy glorious colors,
Ever we praise and hold them
High to the breeze as the symbol of our
Most loyal allegiance.
This anthem, O Youngstown,
Our pledge of trust shall be
That thy sons and daughters
Shall keep faith with thee forever.

PROGRAM

PRELUDE

Concert Selections
YSU Symphonic Wind Ensemble
Joseph Edwards, Conductor

ACADEMIC PROCESSIONAL

Pomp and Circumstance Edward Elgar
March Processional Clare Grundman

INVOCATION

The Reverend Richard D. Speicher
Executive Director
Mahoning Valley Association of Churches

INTRODUCTION OF THE TRUSTEES

Neil D. Humphrey
President of the University

GREETINGS AND INTRODUCTION OF THE SPEAKER

Paul M. Dutton
Chairman of the Board of Trustees

ADDRESS

"Values. . . Your Sense of Direction"

Major General Donald R. Infante
Commanding General, U.S. Army Air Defense
Artillery Center and Ft. Bliss (Texas)

MUSICAL SELECTION

The Golden Age of Broadway Arranged by Warren Barker

PRESENTATION OF MAJOR GENERAL DONALD R. INFANTE TO RECEIVE THE HONORARY DEGREE DOCTOR OF MILITARY SCIENCE

Bernard T. Gillis
Provost

PRESENTATION OF CANDIDATES FOR COMMISSIONS

Lieutenant Colonel Paul W. Fellingner
Professor of Military Science

RECOGNITION OF GRADUATES ATTAINING UNIVERSITY HONORS

Bernard T. Gillis
Provost

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Neil D. Humphrey
President of the University

BENEDICTION

The Reverend Richard D. Speicher
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ALMA MATER

Anthony Rogers
Senior, College of Fine and Performing Arts

RECESSIONAL

Proud Heritage William Latham

Paul M. Dutton, Chairman of the Board of Trustees, will help invest General Infante with the hood.

The audience is requested to be seated after the singing of the Alma Mater and to remain seated during the recessional.

Photographs requiring the use of flash equipment may not be taken while exercises are in progress.

UNIVERSITY HONORS

Because this list of candidates for graduation honors had to be prepared ahead of time, it is tentative. The diploma, together with a certified transcript, is the proof of graduation with honors.

ASSOCIATE DEGREE HONORS

WITH HIGH HONORS

Michael J. Abraham

Corrine Lynn Stahura

WITH HONORS

Jeffrey Allen Ference

Rachel L. Morain

BACCALAUREATE DEGREE HONORS

SUMMA CUM LAUDE

Thomas J. Ashby

Michael Carmen Galose
Frank John Lazorishak

Jean Marie Pletcher
Joneen Marie Schuster

Catherine Louise Tolbert

MAGNA CUM LAUDE

Daniel James Ackerson
Paul Arthur Blucher
Lorraine Therese Briell

Mary Lynn Ann Lapikas
Matthew E. Leskovec
Linda Marie Murphy

Alberto P. Palma
Mary E. Scheel
Brian James Swansiger

Robin Lee Weeda
Robert Russell Whiteley

CUM LAUDE

Scott Edward Beckman
Michael Anthony DeAngelis
Kurt Stephen Dickmann
Renee M. Eggers
Suzanne M. Gerek
Kathryn Lucille Heffinger
Valeria Ann Jesionek

Alan J. Koporc
Michele Anne Kosach
Debra A. Kotch
William Daniel Layman
Richard William Lillo
Mary E. Martinec
Julia A. Mercer

Patricia Anne Morris
Daniel Owen Nold
Kirk James Pace
Shawn Ramone Pearson
Kathleen Marie Ramunno
Susan M. Rezek
Lisa M. Rodgers

Donna Lou Rupert
Athanasios Dimitrios Sarantopoulos
Jeffrey Alan Simon
Joan Carol Stasiak
William Gilbert Strang
James Alan Tadla
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**THE COMMENCEMENT SPEAKER
AND
CANDIDATE FOR THE HONORARY DEGREE
DOCTOR OF MILITARY SCIENCE**

MAJOR GENERAL DONALD R. INFANTE, commanding general, U.S. Army Air Defense Artillery Center and Fort Bliss (Texas), is a 1958 graduate of Youngstown State University and its Reserve Officers Training Corps program. General Infante has served nearly 10 years of his military career in command assignments in Korea, Germany and the United States.

The general's U.S. Army career began at Fort Bliss in June 1959. His service record includes assignments with the U.S. Military Assistance Command in Vietnam; two years as commander of the 2nd Battalion, 71st Artillery in Korea; and five years as commander of the 69th Artillery Brigade and deputy commander of the 32nd Army Air Defense Command in Germany.

General Infante completed two assignments in the Pentagon, serving with the Office of the Deputy Chief of Staff for Operations and Plans and with the Office Assistant Secretary of Defense.

He also has been director of the Studies and Concepts Division of the U.S. Army Air Defense School, Fort Bliss; project manager for the PATRIOT missile system; and air defense program manager of the U.S. Army Missile Command, Redstone Arsenal, Alabama.

The general holds a bachelor of science degree in mathematics from Youngstown State University and a master's degree in operations research and statistics from Rensselaer Polytechnic Institute. He has attended the United States Army Command and General Staff College and the United States Army War College. In January he returned to Youngstown State University to help mark the 35th anniversary of the Reserve Officers Training Corps on campus.

The general's awards include the Legion of Merit with Oak Leaf Cluster, Bronze Star Medal, Meritorious Service Medal with Oak Leaf Cluster, Air Medal, Army Commendation Medal, National Defense Service Medal, Armed Forces Expeditionary Medal, Vietnam Service Medal, Army Service Medal, Overseas Service Ribbon, Vietnam Campaign Medal, Vietnamese Cross of Gallantry with Palm and Vietnamese Honor Medal, 1st Class.

CANDIDATES FOR DEGREES

Because this list of candidates had to be prepared ahead of time, it is tentative. The diploma, together with a certified transcript, is the proof of graduation.

Candidates for the degree Bachelor of Arts whose names are followed by the symbol (†) will receive their degrees from the College of Fine and Performing Arts. All other A.B. candidates will receive their degrees from the College of Arts and Sciences.

Candidates whose names are followed by an asterisk (*) will be commissioned as second lieutenants in the United States Army.

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Cheryl Marie Manno
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Gail Ann Nanowsky
Cindy Ann Palomaki†
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Anna Marie Petrino
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Eugenia Teresa Rodrigues
Andrew Edward Russ
Denise A. Sciuлло

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Constance Marie Shaffer
Kevin Michael Sheldon
Anthony Siciliano
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Sherree A. Zamary

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Youngstown State University
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Joseph Charles Drobney, A.B.
Youngstown State University
History

Evelyn DeLong Mangie, A.B.
Youngstown State University
History
Thesis: *A Reassessment of T.J. Meek's
Hebrew Origin*

Edward Charles Reardon, B.A.
St. Louis University
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Joseph G. Rochette, A.B.
Youngstown State University
History

Joanne K. Scarvell, A.B.
Youngstown State University
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Richard Gary Solomonson, A.B.
Youngstown State University
English

Patricia A. Sorenson, B.S. in Ed.
Youngstown State University
English

D. Scott VanHorn, A.B.
Youngstown State University
History
Thesis: *The Origins and Development of
the Roman Secret Police*

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Anthony William Allen, B.S. in B.A.
Youngstown State University
Accounting/Finance

Susan Marie Barbaree, B.S.
Kent State University
Management

Sandra Beckett, B.A.
State University of New York College
at Geneseo
Accounting

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Youngstown State University
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Youngstown State University
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Baldwin-Wallace College
Management

Henry E. Hiss, Jr., B.A.
University of Akron
Marketing

Keith Brian Klasic, B.S.
The Pennsylvania State University
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Kathryn Kennedy Maratta, B.S.N.
Indiana University of Pennsylvania
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Nancy Marie Panchik, B.S. in B.A.
Youngstown State University
Accounting/Finance

Rattaporn Piemnoppakao, B.A.
Thammasat University (Thailand)
Marketing

Charles W. Ruth, B.S. in A.S.
Youngstown State University
Management

Dennis W. Stainbrook, B.S.
Michigan State University
Management

Matthew J. Susleck, Jr., B.S. in B.A.
Youngstown State University
Marketing

Amjad Waheed, B.S. Engr.
University of Engineering and
Technology (Pakistan)
Management

MASTER OF MUSIC

R. Bradley Bickel, B.M.
Youngstown State University
Music Education

Frederick Issac Bickham, B.M.
Southeastern Louisiana University
Theory and Composition
Thesis: *The Second Movement, 'Piheno,' of
Bela Bartok's Contrasts: Analysis and
Discussion; Concerto for Fifteen Instruments*

Denise Kay Fultz, B.M.E.
Mount Union College
Music Education

Daniel W. Timbrell, B.S.
Grove City College
Performance

MASTER OF SCIENCE

Marti S. Bergana, B.A.
Hiram College
Chemistry
Thesis: *A Sodium-23 NMR Study of the
Electron Exchange Kinetics Between
Sodium 12-Crown-4 Complex and
Sodide Ion in Dimethylether*

Bruce Spencer Calder, B.S.
Youngstown State University
Biology
Thesis: *Revision of the Feather Mite
Genus Freyana (Freyanidaea: Analgoidea)*

Gracy Elias, B.Sc.
University of Kerala (India)
Chemistry
Thesis: *The Determination of Urinary
Aldosterone Glucuronide by High
Performance Liquid Chromatography*

Raymond Eugene Flanery, Jr., B.S.
Youngstown State University
Mathematics
Thesis: *Numerical Solution of Initial
Value Problems for Ordinary Differential
Equations Using Taylor Series with
Recursively Defined Co-efficients*

Ralph J. Garono, B.S., B.A.
Kent State University
Biology
Thesis: *The Role of Relic Bogs and Fens in
the Postglacial Distribution of Ohio
Caddisflies (Trichoptera)*

Robert Martin Geidner, B.S.
Youngstown State University
Chemistry
Thesis: *The Separation, Identification and
Quantitation of the Tricyclic Antidepressants
Utilizing Capillary Gas Chromatography
and Mass Spectrometry*

Bradley Norman Hunt, B.S. in A.S.
Youngstown State University
Criminal Justice

Matthew Layne Johnson, B.S.
Youngstown State University
Chemistry
Thesis: *The Analysis of Naphthalene and Its
Alkyl Derivatives and Gasolines Using Gas
Chromatography Mass Spectrometry*

J. Thomas King, B.S.
Youngstown State University
Mathematics

Kenneth J. Kuzior, B.S.
Slippery Rock State University
Chemistry
Thesis: *Design and Utilization of a Micro-
processor Controlled Electrophoresis
Power Supply*

Tahseen Mirza, B.S.
Osmania University (India)
Chemistry
Thesis: *A Simple Technique to Measure
Controlled Release Kinetics*

Eugene Santos, Jr., B.S.
Youngstown State University
Mathematics

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Youngstown State University
Chemistry
Thesis: *The Design and Construction of a
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Power Supply*

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Thesis: *The Menstrual Cycle and
Aggression*

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Carlow College
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Special Education

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Ramin Baghaie, B.E.
Youngstown State University
Materials Science

Jaoudat Saado Charif, B.E.
Youngstown State University
Civil Engineering

Gary Joseph Diorio, B.E.
Youngstown State University
Civil Engineering
Thesis: *Optimization in Sewer Design*

Min Eig Lee, B.S.
National Taiwan University (Taiwan)
Electrical Engineering
Thesis: *Temperature Control Using
K-Type Thermocouple*

Arthit Limpaisarn, B.E.
Chiangmai University (Thailand)
Civil Engineering
Thesis: *Elastic and Elasto-Plastic Stress
Analysis of the Structures Using
MSL/NASTRAN*

Mohammad Ali Moghanipour, B.S.
Kent State University
Civil Engineering
Thesis: *Elasto-Plastic Stress Analysis of the
Edge Notch Specimen and Evaluation of
Crack Deriving Forces*

Paul D. Richards, B.S.M.E.
Cornell University
Mechanical Engineering

Crown-Sen Shieh, B.S. Engr.
National Taiwan Normal University
(Taiwan)
Electrical Engineering
Thesis: *Modeling Analysis Simulation and
Measurements of a Fly-back Multi-loop
Control Switching Mode Power Supply*

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Youngstown State University
Civil Engineering
Thesis: *Knowledge Based Expert System
Truss Advisor*

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ACADEMIC REGALIA AND CEREMONY

The gowns, hoods, and caps worn in academic ceremonies today are relics of clothing worn in medieval times by students and professors. In the early universities—Bologna, Paris, Oxford—the undergraduate students had no prescribed academic dress but wore their usual clerical or ecclesiastical habits. The professors wore more colorful academic regalia than their modern day descendants. Probably the gowns and hoods were worn for warmth in the unheated halls where the lectures were delivered. From the sixteenth century on, there is a change to somber black and it is only in the hoods worn in academic processions today that the warmth and color of medieval academic pageantry is retained.

The hoods representing degrees granted by various colleges and universities have linings (turned to exhibit their hues to the fullest advantage) in the colors of the granting institutions. In addition, the facing of the hood represents by its color the discipline in which the degree has been granted: white for arts, letters, or humanities; golden yellow for science; purple for law; green for medicine; lemon yellow for library science; orange for engineering; drab for commerce or business; light blue for education; pink for music; brown for fine arts; apricot for nursing; dark blue for philosophy; scarlet for theology; citron for social work; sage green for physical education. It is possible, also, to determine from the length of the hoods the type of degree held by the wearer—quite long for the doctor's degree, medium for the master's, short for the bachelor's.

Since 1895, in the United States, the colors and types of caps and gowns have been largely standardized; in 1932 the code was revised to some extent, and in 1960 it was revised once more. A few American universities have adopted gowns other than black in color, and in European universities there is more diversity in cut and in the cap than prevails in the United States. Trustees and administrators of American colleges and universities, too, may wear regalia

which is different from that commonly worn. The trustees of Youngstown State University wear a specially designed cardinal gown.

The bachelor's gown is worn closed; the master's gown is worn open or closed, depending partly on its tailoring; and the wearer of the doctor's gown has the privilege of wearing it open or closed. The sleeves of the three types of gowns are of different lengths and cuts, and in addition the sleeves of the doctor's gown have three horizontal velvet stripes. The doctor's gown also has vertical facing of velvet in front. The stripes and facing may be either black or in the color representing the field in which the wearer has received the doctorate.

There are different opinions about the origin of the caps worn in academic ceremonies. One view is that the "mortar board" is in actuality adapted from the wooden square used by masons. Another is that it stems from the ecclesiastical or clerical head covering of the medieval period. The tassels worn on the caps may or may not be of the same types. In some institutions all masters' and bachelors' tassels are black; in others the tassels, which are the same as the colors of the facings of the hoods, reflect the degree received. The tassels worn by doctors may be black or gold thread.

There is something of the same adherence to tradition in commencement processions that exists in academic garb, although each institution has the right to adapt the ceremony to its own requirements. The chief marshals lead the line of march, followed by the president, the speaker, trustees, and other members of the party to be seated on the platform. Then follow the faculty and the candidates for degrees. The procession at the end of the ceremony follows the same order.

Recipients of **University Honors** will receive special insignia, consisting of golden honor cords placed around the shoulders.