

SPRING COMMENCEMENT

YOUNGSTOWN STATE UNIVERSITY

BEEGHLY CENTER SATURDAY MORNING, JUNE TWENTY-FIRST NINETEEN HUNDRED AND EIGHT-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

INVOCATION

The Reverend Homer J.R. Elford Minister Emeritus Trinity United Methodist Church

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

"A Growth Scenario" Arthur G. Young President and Chief Executive Officer The Mahoning National Bank of Youngstown

MUSICAL SELECTION Selections from OliverLionel Bart Arranged by Norman Leyden

PRESENTATION OF ARTHUR G. YOUNG TO RECEIVE THE HONOBARY DEGREE DOCTOR OF LAWS

Bernard T. Gillis Provost

RECOGNITION OF GRADUATES ATTAINING UNIVERSITY HONORS

Bernard T. Gillis Provost

PRESENTATION OF CANDIDATES FOR DEGREES

Victor A. Richley Dean of the College of Applied Science and Technology

H. Robert Dodge Dean of the Warren P. Williamson, Jr. School of Business Administration

David P. Ruggles Dean of the School of Education

Timothy J. Lyons Dean of the College of Fine and Performing Arts

Bernard J. Yozwiak Dean of the College of Arts and Sciences

George E. Sutton Dean of the William Rayen School of Engineering

Sally M. Hotchkiss Associate Provost and Dean of Graduate Studies

CONFERRING OF DEGREES

Neil D. Humphrey President of the University

BENEDICTION

The Reverend Homer J.R. Elford Minister Emeritus Trinity United Methodist Church

ALMA MATER

Michele Tinney Senior, College of Fine and Performing Arts

RECESSIONAL

Proud Heritage William Latham

Paul M. Dutton, Chairman of the Board of Trustees, will help invest Mr. Young 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.

Graduates and their guests are cordially invited to attend informal receptions immediately following the Commencement ceremony in the following locations:

For College of Applied Science and Technology – Cushwa Hall, Skylight Lobby For College of Arts and Sciences – DeBartolo Hall, First Floor Lounge For School of Business Administration – Meshel Hall Atrium For School of Education – Kilcawley Center, Chestnut Room For School of Engineering – Engineering Science Building Lobby For College of Fine and Performing Arts – Bliss Hall Gallery, First Floor

For Graduate School – see undergraduate school or college of the major program

UNIVERSITY HONORS

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Thomas Andrew Basista Steven Douglas Beatrice Jean Marie Bogatay David Mark Bredl Lori Ann Cerame

Darlene Phyrne Ashman Beverly A. Cintala Lisa Ann Cochran Lorraine Eleanor Confoev Susan Ellen Desko Cheryl Lynn Duca Vicki Ann Hockensmith

Peter Bernd Baumgartel **Jill Diane Berchtold** Anthony E. Bisconti Robert E. Blake Martha Louise Bushey Perry James Chickonoski, Jr. Adelfa Marina Cuesta Noel Joy Davis Lvn Dorman Kent J. Engelhardt John Francis Erme

Joseph R. Ballone Joseph E. Bender III Stanley Blaise Bikulege Martha Ann Bishop Michael John Buchenic Jeffrey Cameron Denise Cynthia Cantwell Diane Lynn Chermely Marianne Cohol Becky Jane Colella Ernest Michael Crist, Jr. Kathleen S. Darkangelo Larry Marcus Davis Andrea Patrice Demchak

C. Lynn Ashman Gloria Marie Basista Terri Ann Batterby Anthony D. Blazquez Craig Stephen Boyle Michael R. Bugos Kerry Ralph Byard Marian Albright Byard Lisa Jo Cascarelli Dina L. Centifanti Linda Ruth Christopher Diane Marie Cornicelli Donna D. Corsale Michael Anthony Covelli David A. Dapolito **Dolores Susan Davis** Robert M. DeChurch Daniel Joseph Deskin

Catherine Renee Cover Stacie B. Fedyna **Bandall Ference Richard Juvancic** Michelee Marie LaRosa Jeanne Rae Paris Dean Anthony Petrucci Shervl A. Quaranta Sherry Lynn Sheridan Joseph Anthony Shoaff

WITH HONORS

Diane Lynn Huntington Deborah Sue Kelly **Richard J. Kramer** James Joseph Maccarone Sharon L. Marr Robert Nelson Minkler

James Joseph Mondok Barbara Jean Morley Pamela Ann Palumbo Paulette Ann Premec **Bandall Alan Benstrom** Jean Charity Sands

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Edward Neil Fleming Cathy Marie Fowler Michael J. Glova Doris Evelyn Guveivian Kathleen Ann Hill Kathleen Marie Howerton Linda Jean Itts Eileen Paula Jackimowicz Annette Caroline Kulifay Myung Ja Lee Robert Carl Little

James Richard Demko Lisa Lynn Flask Deborah Desko Garchar Gary M. Gawdyda Wayne K. Geer Bruce J. Giambattista Curtis Lynn Harvey Margaret Pennington Haushalter Kathy A. Jickess Joan M. Jones Donald A. Kalenits Lisa Marie Kowalsky Hyon C. Lee Robert Louis Lupean, Jr.

Laurie Ann Dunn Judith Ann Eddinger Adam M. Ekonomon Joan Ann Engelhardt Carmela Esposito Vincent G. Farris David Arthur Granger David E. Grich Kerri J. Griffin Cynthia Cook Hall Judith Louise Hancock Paula Marie Higgins Paula J. Higham Beth A. Howard Mark Earl Hutchison Barbara Ann Kalinev David Daesung Kim Katherine A. Kish

Rita Mary Mastroianni Janet A. Michael Sandra Lee Mokros John A. Molnar Margaret Ann Mulderig Toni Lynn O'Neill David A. Perkins Franklin Michael Powers Loraine Jo Przybylski Laurie J. Sampsel Debra Marie Scarvel

Debra Ann Maietta Victoria L. Matasy Scott Andrew Matthews Brian Bernard Miller Moideh Motakef Jihad Fouad Moumneh Glenda Ellen Noblitt Linda Marie Ohle Dianne K. Pappada Ian James Pilcher Norma Jeanne Rappach John Stewart Reed Linda Jean Rogers

CUM LAUDE

Karl Konrad Kenneth J. LaCivita Joseph Robert Leone Marvann Leslie Darlene Marie Lischak Judy A. Mansky Peter M. McKenna **Thomas James McKeown** Michele Ann McTique Margaret Doreen Messer Thomas Aaron Needham Daniel Owen Nold Alan John Oleksa Joseph Martin Phillips David Alan Pratt Teresa L. Pratt Andrea Claire Prest **Doris Marie Primm**

Robert Howard Smith Debra Kay Thompson Timothy Anthony Yuhas Anne Elizabeth Zaitzew Suzanne Zupko

Deanna M. Scheetz Dolores J. Schreiber Nancy Carol Serafino Anthony G. Tarr Robin Kathryn Watson Judith B. White

Marilyn Carol Steiner Alan Wayne Stiver Shelli A. Tabaka David Michael Tamulonis Brian Julius Tareshawty George Owen Thompson Shani Vaturi Patricia Vuletich Mary Ann Walko Marilvn Walton

Kelly A. Schaeffer Patricia Ann Schneider Thomas Joseph Sferra Bryan D. Shaffer John Lawrence Sittig Manuel Francisco Solano Cheryl Ann Spisak Patricia Marie Stothard Betty Leona Tranovich Diana M. Tripi Michael Vallas Susan Lois Walker Karen Ann Wasson

Christine F. Reifinger Duana Tee Rivello Patricia Ann Rush James Edward Siglow Loree J. Sorger Debra Jean Tabaka Joseph Ronald Timko Diane M. Traino Thomas Joseph Trgovac Robert L. Vazzo Linda Ann Walkama Karen A. Walsh David Martin Watson Gregory Neil Wilson Abby Sue Wolfson Robin M. Woodford Nick K. Xides

MAGNA CUM LAUDE

THE COMMENCEMENT SPEAKER and CANDIDATE FOR THE HONORARY DEGREE DOCTOR OF LAWS

ARTHUR G. YOUNG, a lifelong resident of the Mahoning Valley, is president and chief executive officer of the Mahoning National Bank of Youngstown. A banker and an attorney, Mr. Young has been a leader in the business community and active in many civic organizations.

Mr. Young joined Mahoning Bank in 1949 as an attorney in the Trust Department. He was promoted to vice president and trust officer in 1959, and became executive vice president and trust officer in 1972. He has held his current title since February 1973.

His leadership in the business community extends to the boards of the Youngstown Area Chamber of Commerce, which he chaired in 1980; the Mahoning Valley Economic Development Corporation and its subsidiaries, the Youngstown and Warren Commerce Park Corporations; and the Industrial Information Institute, Inc.

He also serves as a director of Mahoning Bank and WKBN Broadcasting Corporation. Mr. Young is a member of the Ohio State and Mahoning County Bar Associations, and has served in leadership positions as a member of the American Bankers Association and Ohio Bankers Association.

Mr. Young has led a number of major fundraising projects, including the Life Care Fund at Park Vista Retirement Community; the Easter Seal Society of Mahoning, Trumbull and Columbiana Counties; and St. Elizabeth Hospital Medical Center building fund drives. He was a trustee of the Youngstown Metropolitan Housing Authority from 1959 to 1976, and chaired its board from 1961 to 1972. He also is a trustee of the Rayen School Fund, which offers scholarship aid to students at Rayen and other area high schools.

A longtime supporter of the YMCA, Mr. Young has had a leadership role in many of its fundraising campaigns, and has served as a director of various private foundations. He is treasurer of the Butler Institute of American Art and was instrumental in capital fund campaigns for the Institute and Youngstown Playhouse.

Mr. Young's efforts in the community have been recognized with a number of awards. Youngstown Area Jaycees presented him with the Frank Purnell Award in 1981; the following year he received the Special Recognition Award for community service from the Youngstown Area Chamber of Commerce. In 1983 he was honored by the Mahoning Valley Management Association with their "Manager of the Year" Award and by the Youngstown Area Baseball Oldtimers Association, who named him "King of the Realm" for his work in raising money for local athletic activities. He also is an honorary life member of Buckeye Elks Lodge #73.

Mr. Young, a graduate of the Rayen School, attended Youngstown College and interrupted his education for military service in World War II. He attained the rank of captain, serving with the 8th Air Force Fighter Command in London. In 1949 he received his LLB degree from the College of Law, University of Cincinnati, and in 1969 graduated from the Graduate School of Banking at Rutgers University.

Mr. Young has worked on behalf of Youngstown State University, serving as a steering committee and campaign cabinet member for the University's Sports Complex Campaign, and participating in the Alumni Association's Distinguished Citizen Award program as area chairperson in 1983 and program committee member in 1984. At a dinner held in his honor June 20, 1986, the Alumni Association conferred on Mr. Young the Distinguished Citizen Award, a symbol of highest distinction given annually to a leader in the local community.

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.

ASSOCIATE IN ARTS

Richard John Hanuschak Melody Ann Krinos Sharon L. Marr Paul Michael Pyszniak Randy C. Snowden Richard Scott Summers

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Patricia Ann Durkin Edward J. Filicky Marian Flaviani JoAnn Fortunato Paula R. Franklin Cynthia C. Fye Michael Dennis Gleydura Traci L. Hardy Eric Brian Hovanec Deborah Sue Kelly Franko Mancini Ronald John Naypaver Lois Jean Paige Pamela Ann Palumbo Christine Marie Pasquale John T. Psaras Renata Monsha Robinson Barbara Jean Rojko Jean Charity Sands Rita L. Schisler

Thomas James Simpson Connie J. Smith Martha Lynn Smith Jeanne Marie Spencer Jeanne M. Spinosa Kathleen Marie Svirbely Thomas Earl Textor Janet Ann Tucciarone Dawn M. Zaborowski

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Kathy M. Grady Karla J. Grantz Dianne Marie Gray Annemarie Graziosi Michelle Louise Grenga **Ruth Catherine Griffey** Jennifer M. Griffin Nancy J. Griffiths Ralph Willard Grossen, Jr. Randy Michael Haas Julie Catherine Hackett Patrick Michael Hackett Christine M. Hankavich Alan Clark Hankey Charles Jacob Heck Michael Robert Herman Vicki Ann Hockensmith **Russell Warren Hoover** Mark Hovlman Raymond Edward Hudak Diane Lynn Huntington Tanva R. Husnick Karla Kay Hykes Michaela Jackson Robert Wayne Johnson Paula A. Jonda James T. Jones **Richard Juvancic** David John Kanotz Kenneth E. Kilpatrick Deborah L. Kimmel

Shirley Michelle Kisella Danielle J. Kozup Richard J. Kramer Michelle Marie LaRosa John R. Lattanzi Sharon Ann Lattanzi John James Lichney Nora Susan Lohr James Joseph Maccarone William John Majernik Terrie L. Malarich Renee J. Mangee Dara L. Mangie Melanie Ann Marolt Sharon Anne Mass John Michael Mastropietro Sue M. Maxwell Michael Jonn McCart Robert Lynn McClimans Lynnette S. McQuillan James Edward Metzinger Mary G. Meyer David A. Miller Thomas John Miller Robert Nelson Minkler John Steven Moffo Tina Molden James Joseph Mondok Barbara Jean Morley Emad Jassim Mutar Thomas Eugene Neely

ASSOCIATE IN APPLIED SCIENCE (continued)

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Janet Spellman Marsha Rae Standley Brian J. Stirling Vera Stovanov Dale Wesley Sturdevant Thaddeus John Suchy Leigh Ann Sulenski Randall William Swedenborg Phillip E. Sweeney Basel Ahmed Taki Anthony G. Tarr Beth Ann Tate Terry L. Tate Ronald L. Tenney John Vincent Terranova Michael A. Thomas Debra Kay Thompson Mary Ann Tondo Barbara Ann Toth Jennifer Lee Toth Joseph Trenik Robert John Turanyi

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Jane E. Campa Timothy B. Cape Frederick Michael Cleary

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Kenneth Rodney Arambasick Kerry Ralph Byard Marian Albright Byard James Richard Demko Marlene Kay Dicola

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Tom William Potiunas Annette Irene Povar Alicia Marie Reed Laurie J. Sampsel Lynn Marie Scherer

Phyllis Darleen Multari

Anthony James Romeo

Jeffrey Lynn Rohan

Malcolm A. Ruggiero

Mark Andrew Samuel

Kathleen Marie Ramunno

William Thomas Lait Mark S. Lalama Faith A. Laskovics Milton George Lenhart Jean Marie Massaro Victoria L. Matasy Scott Andrew Matthews Carol J. Maycher Mathew Danial McGarrity Daria Irene McGarry Michele Ann McTigue Ellen Maureen Meiers Kshitija Mishr **David Wayne Morris** Mojdeh Motakef Margaret Ann Mulderig Thomas Aaron Needham Linda Marie Ohle John R. Paliga Arlene S. Paoletta Dianne K. Pappada William Guy Petruzzi Sheila Reardon Jeffrey Eugene Renicker Debra Marie Scarvel Erich Leo Scheetz

Brvan D. Shaffer Wendal A. Shaw Martin R. Shone Kevin Jay Soltis Alan Wayne Stiver Mark J. Thomas Brett Evans Todd Dennis Keith Ulrich Scott Dale Vannov Thomas Randall Williams Donald F. Wilson William R. Wolff George Wesley Wrightson Trudy Lee Zedaker

Carolyn R. Sigle Jeff Joseph Sipos Paul E. Trivilino John Steve Vuicec, Jr. Thomas Gerald Welsh, Jr. Anthony L. Worrellia

Denise Schor John A. Stallsmith George Owen Thompson Diana M. Tripi

Ellen Ruth Schwab Darla Jean Scott Thomas Joseph Sferra James Edward Siglow Mary Ann Simko Mark Nelson Slinn Clint W. Snyder Loree J. Sorger Kimberly Ann Stewart Marianne J. Sumego Edward Henry Swaneck, Jr. **David Michael Tamulonis** Craig Joseph Tasseff John Ursu, Jr. Shani Vaturi Frank Joseph Ventura Penni M. Vitko Carissima Marie Vitus Karen Sue Vollmer Costantinos Vouzakis Lyle LaVerne Weaver Deborah Lynn Winters-Gates James Arthur Wise Abby Sue Wolfson Chervl A. Zaben

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Kelly A. Schaeffer Gary J. Schrieber Jackie M. Schuster Lisa J. Sheffar Larry G. Shimer Cathleen Marie Sipka George D. Sotack George Spadafora Anthony G. Svatosky Timothy Glenn Tanevhill Richard George Taylor Donald Alan Terpak John J. Thomas Donald Lloyd Thompson Joseph Ronald Timko Karen A. Toth Victor Michael Tsimpinos Charles J. Vandyke Maria A. Vitullo Charles John Vouvalis Nick J. Vouvalis James E. Walkama Susan Lois Walker **Brook Andrew Walton** Marilyn Walton John William Wilson Timothy Michael Woolley E

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Clement Paul Marion Carole Lynn McConnell Arthur G. McCullough IV **Bobert Michael McGinnis** Daniel Mark McKean Laura Louise McLaughlin Zorica Zoki Miletic Brian Bernard Miller Mary Ann Mirjanich Debra J. Mitchell Mary Ann Modak Candida Rosa Montes Vincent Joseph Morgione Thomas R. Neapolitan, Jr. Christeen Margaret O'Connell Kimberly Ann Paris Ted John Patena Lori M. Pavlik Ian James Pilcher Frank Edward Pokorny **Richard John Polchosky** Franklin Michael Powers Teresa L. Pratt **Doris Marie Primm** Neda Faroug Ramahi Jerry Raupach John Stewart Reed Christine F. Reifinger Steve M. Roessler

Linda Jean Rogers Mahvash Ronaghy Bryan Edward Scudier Martin Clayton Shaffer **Raymond William Sheets** John Lawrence Sittig Robert Dale Sizer Manuel Francisco Solano Michael James Spicer Dean Talaganis Michael John Terbovich Mark Charles Thomas John David Tinsley Robert Clinton Torr, Jr. Betty Leona Tranovich Thomas Nelson Trefethern James C. Tumbri Karen A. Walsh Philip J. Walton David Martin Watson Laverne Denise Wellington Melissa Anne Wells Deborah Jo Wensel Cynthia J. West Robin M. Woodford Caroline Yasechko John D. Yurchison Louis M. Zickar

BACHELOR OF SCIENCE IN EDUCATION

Mary Kay Ammeen Linda Jane Barnett Vicki Lynn Book Barbara Lynne Brondum Vonda L. Brotherton Susan Edith Chudyk Sharon Anne Creatore Kathleen S. Darkangelo Andrea Patrice Demchak Donald Wilbur Evans, Jr. Deborah L. Feorene Walter Scott Ford Patricia Mary Geisler Karen Lee Glotzbecker

Karen Sue Andrjwski Susan A. Bartos Gloria Marie Basista Terri Ann Batterby Elaine Katherine Bilas Martha Louise Bushey Jennine Ann Capogreco Irene Louise Carlson Lisa Jo Cascarelli James Nicholas Caspary Linda Ruth Christopher Becky Jane Colella

Jeanette S. Engle, B.A. The Pennsylvania State University English

Dale L. Graham, B.S. in B.A. Youngstown State University Economics

Robert William Adsit, B.S. in B.A. Youngstown State University Marketing

James Kenneth Barnett, B.A. Grove City College Accounting/Finance

James Ross Carlisle, Jr., B.A. Mount Union College Marketing James Arthur Guerriero Doris Evelyn Guveiyian Paula Harrold Kathleen Ann Hill Kathleen Marie Howerton Donald Robert Jones Edward R. Kempers Martina A. Lowry Christine Ann Lunger Mark William Lyden Becky Kay MacFadyen Mary Jo Anne Matash Donald John McPhillips William James McSuley, Jr. Mary Ann Meadows Judy Katherine Mika Sandra Lee Mokros Toni Lynn O'Neill Susan Marie Payton Ronald Samuel Price William Joseph Priore Mary Kay Radanovic Jan Therese Rezek Jeffery Alan Richter Terri A. Ruschman Karen Marie Russo Janice Sed Patricia Ann Sgambati

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1

Mary Lynn Patton Steve Planey Andrea Claire Prest Norma Jeanne Rappach Marianne Schulz Craig Edward Simkins Mary Louise Sims Debra Jean Tabaka Shelli A. Tabaka Linda Ann Walkama Mary Ann Walko Kimberley Garland Wilson

MASTER OF ARTS

Jerome Joseph Hiznay, A.B. Youngstown State University History Thesis: *Captain John Palliser's Expedition*

Thomas C. Schmitzer, A.B. Youngstown State University* English Deborah Jeannette Tindall, A.B. Syracuse University English

MASTER OF BUSINESS ADMINISTRATION

Lynn Chang, B.S. Feng Chia University (Taiwan) Management

Edwin William Davis, B.A. University of Pittsburgh Management

Daniel Gray Daywalt, Jr., B.A. University of Michigan Management Carol J. Francisco, B.S. in B.A. Youngstown State University Marketing

James E. Griffin, B.S. The Ohio State University Accounting/Finance

Charles S. Gulas, B.S. in B.A. Youngstown State University Marketing

Gerald L. Heinbaugh, B.S.Ed. Kent State University Management

MASTER OF BUSINESS ADMINISTRATION (continued)

Keith Brian Klasic, B.S. The Pennsylvania State University Management

John David Kline, B.A. University of Pittsburgh Accounting/Finance

Mark A. Krystek, B.S. Youngstown State University Management

Joe Liguori, B.S. in A.S. Youngstown State University Management Mark Donald Lozzi, B.S. in B.A. Youngstown State University Management

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Marilyn Kenney Wenger, B.A. Eastern Mennonite College Management

 Frederick Isaac Bickham, B.M.
 M

 Southeastern Louisiana University
 Y

 Music Theory and Composition
 M

 Thesis: The Second Movement, 'Piheno,'
 T

 of Bela Bartok's ''Contrasts'': Analysis
 o

and Discussion; Concerto for 15 Instruments

David James D'Angelo, B.M. Youngstown State University Performance Mary Elizabeth Franklin, B.M. Youngstown State University Music Theory and Composition Thesis: Samuel Barber's Knoxville: Summer of 1915; Concerto for Viola and Orchestra

MASTER OF MUSIC

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

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MASTER OF SCIENCE

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Debra Ruth Schmidt, B.S. Kent State University Biology Thesis: Comparison of the Effect of Cranberry Juice on Urinary and Non-Urinary Bacterial Isolates Raymond Joseph Sobina, B.A. Gannon University Criminal Justice Thesis: Inmate Classification National Trends and the Impact on Pennsylvania

Gregory Truhan, B.S. in A.S. Youngstown State University Criminal Justice Thesis: The Effect of Lunar Cycles on Human and Criminal Behavior

Debra Jean Wilson, B.S. in Ed. Kent State University Criminal Justice Thesis: *The Menstrual Cycle and Aggression*

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

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

Andy William Getsy, B.S. in A.S. Youngstown State University Mechanical Engineering Bassam Talat Hajbeh, B.S. California State University Civil Engineering

Thomas Frederick Holloway, B.E. Youngstown State University Civil Engineering

Min Eig Lee, B.E. National Taiwan Normal 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 Edge Notch Specimen and Evaluation of Crack Deriving Forces Ali Motakef, B.E. Youngstown State University Electrical Engineering Thesis: *Microcomputer Based Digital Compensator*

Abdelkarim H. Neemeh, B.E. Youngstown State University Civil Engineering

Frederick Herman Rider, B.E. Youngstown State University Mechanical Engineering

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

Terry R. Stanton, B.S. in A.S. Youngstown State University Civil Engineering Thesis: A Review of Artificial Intelligence and the Development of a Prototype Expert System by Using an Expert Shell

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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.