

One Hundred Fifteenth
Commencement Exercises

OFFICIAL

JUNE EXERCISES

THE UNIVERSITY OF NOTRE DAME

NOTRE DAME, INDIANA

THE GRADUATE SCHOOL

THE LAW SCHOOL

THE COLLEGE OF ARTS AND LETTERS

THE COLLEGE OF SCIENCE

THE COLLEGE OF ENGINEERING

THE COLLEGE OF COMMERCE



On the University Mall
At 1:30 p.m. (Central Daylight Time)
June 5, 1960

PROGRAM

PROCESSIONAL

PRESENTATION OF THE LAETARE MEDAL,
to Dr. George N. Shuster

CITATIONS FOR HONORARY DEGREES,
by the Reverend Chester A. Soleta, C.S.C.,
Vice-President of Academic Affairs

THE CONFERRING OF HONORARY DEGREES,
by the Reverend Theodore M. Hesburgh, C.S.C.,
President of the University

COMMENCEMENT ADDRESS,
by the Honorable Dwight D. Eisenhower,
President of the United States

PRESENTATION OF CANDIDATES FOR DEGREES,
by the Reverend Paul E. Beichner, C.S.C.,
Dean of the Graduate School
by Joseph O'Meara,
Dean of the Law School
by the Reverend Charles E. Sheedy, C.S.C.,
Dean of the College of Arts and Letters
by Lawrence H. Baldinger,
Dean of the College of Science
by Mario J. Goglia,
Dean of the College of Engineering
by James W. Culliton,
Dean of the College of Commerce

THE CONFERRING OF DEGREES,
by the Reverend Theodore M. Hesburgh, C.S.C.,
President of the University

THE BLESSING,
by His Eminence Giovanni B. Cardinal Montini,
Archbishop of Milan, Italy

Degrees Conferred

The University of Notre Dame announces the conferring of:

The Degree of Doctor of Laws, honoris causa, on:

The Honorable Dwight D. Eisenhower, of Washington, D. C.
His Eminence Giovanni B. Cardinal Montini, of Milan, Italy
Most Reverend Martin J. O'Connor, of Rome, Italy
Dr. Victor Andres Belaunde, of Lima, Peru
Mr. J. Peter Grace, Jr., of New York, New York
Dr. Kenneth Holland, of New York, New York
Dr. Raymond J. Sontag, of Berkeley, California

The Degree of Doctor of Science, honoris causa on:

Dr. Thomas Dooley, of St. Louis, Missouri
Dr. Laurence M. Gould, of Northfield, Minnesota
Dr. Alan T. Waterman, of Washington, D. C.

IN THE GRADUATE SCHOOL

The University of Notre Dame confers the following degrees in course:

The Degree of Doctor of Philosophy on:

† Bruce E. Barnaby, Maywood, Illinois

B.S., De Paul University, 1951. Major subject: Physics. Dissertation: The Kinetics of Strontium and Strontium Oxide on Tungsten by Field Electron Microscopy at Temperatures Below 1000° K.

† Russell Barta, Chicago, Illinois

B.A., Saint Mary of the Lake Seminary, 1942; B.S.T., *ibid.*, 1943; M.S.A., Loyola University (Illinois), 1947. Major subject: Sociology. Dissertation: The Concept of Secularization as a Social Process.

Sister Mary Catharine Baseheart, Sisters of Charity of Nazareth, Louisville, Kentucky

A.B., Nazareth College (Kentucky), 1931; M.A., Saint Louis University, 1933. Major subject: Philosophy. Dissertation: The Encounter of Husserl's Phenomenology and the Philosophy of St. Thomas in Selected Writings of Edith Stein.

Robert Hugh Becker, Greenville, Pennsylvania

B.S., St. Bonaventure University, 1956. Major subject: Chemistry. Dissertation: The Preparation of Some Sulfonyl Hydrazide Derivatives of *s*-Triazine.

Reverend Robert McKay Brooks, Premonstratensian, Green Bay, Wisconsin

B.A., St. Norbert College, 1944; M.A., University of Notre Dame, 1956. Major subject: Sociology. Dissertation: The Former Major Seminarian: A Study of Change in Status.

James Gerald Dadura, Atlas, Pennsylvania

B.S., St. Vincent College, 1955. Major subject: Chemistry. Dissertation: The Effect of Gamma Hydroxyl Groups on the Decomposition of Quaternary Ammonium Bases.

John Philip Gleason, Wilmington, Ohio

B.S., University of Dayton, 1951; M.A., University of Notre Dame, 1955. Major subject: History. Dissertation: The Central-Verein, 1900-1917: A Chapter in the History of the German-American Catholics.

† Degree Conferred February 1, 1960

- Robert Stephen Hanzel, Johnstown, Pennsylvania
B.S., St. Vincent College, 1953; M.S., University of Notre Dame, 1955. Major subject: Chemistry. Dissertation: The Alkylation of Amines with Tertiary Acetylenic Chlorides.
- † Sister Mary William Hollenbach, School Sisters of Notre Dame, St. Louis, Missouri
B.S., Webster College, 1952; M.A., University of Notre Dame, 1956. Major subject: Philosophy. Dissertation: The Nature of the Intellectual and Moral Virtues and Their Various Relationships.
- Robert Charles Jaklevic, Kansas City, Kansas
B.S., Rockhurst College, 1956. Major subject: Physics. Dissertation: An Experimental Study of Photoelectric Emission From a Molybdenum Single Crystal in Accelerating Fields.
- † Reverend Sebastian Kalarickal, Society of Jesus, Madras, India
B.Sc. (Hons.), Loyola College, Madras University, 1949. Major subject: Chemistry. Dissertation: Primary Processes in Radiolysis of Water.
- † Reverend Augustine J. Kandathil, Kerala, India
L.Ph., Pontifical Athanaeum (Ceylon), 1942; S.T.L., *ibid.*, 1947; B.Sc., Sacred Heart College (India), 1951; B.Sc. (Hons.), Loyola College, Madras University, 1953. Major subject: Chemistry. Dissertation: Chelate Stabilities of Certain Oxine-Type Compounds.
- † Edward Francis Kennedy, Chicago, Illinois
B.S., Loyola University (Illinois), 1954. Major subject: Physics. Dissertation: X-Ray Excitation of the 2.13 Mev State of B¹¹.
- † John Anthony Kreuz, Wilmington, Delaware
B.S., St. Bonaventure University, 1955. Major subject: Chemistry. Dissertation: A Study of the Alkaline Decomposition of Several Aliphatic Dithiodicarboxylic Acids.
- Lester Henry Lange, South Bend, Indiana
B.A., Valparaiso University, 1948; M.S., Stanford University, 1950. Major subject: Mathematics. Dissertation: Non-Euclidean Cercles de Remplissage and Other Analogues in the Unit Circle to Classical Theorems on Entire Functions.
- Charles Andrew Lynch, Jr., Brooklyn, New York
B.S., Manhattan College, 1956. Major subject: Chemistry. Dissertation: Some Chlorides Derived from 1-Ethynylcyclohexanol.
- Charles Joseph Noel, Philadelphia, Pennsylvania
B.S., Villanova University, 1954. Major subject: Chemistry. Dissertation: A Kinetic Study of the Reaction Between Ethylene Oxide and a Series of Mercaptans.
- James Michael O'Reilly, Dayton, Ohio
B.S., University of Dayton, 1956. Major subject: Chemistry. Dissertation: Investigation of Molecular Structure and Internal Rotation by Microwave Spectroscopy.
- † Saverio F. Pensabene, Syracuse, New York
B.S., LeMoyne College (New York), 1955. Major subject: Chemistry. Dissertation: The High-Energy and Ultraviolet-Induced Luminescence of Liquid Organic Solutions.
- Albert Carl Perrino, Warwick, Rhode Island
B.S., Brown University, 1956. Major subject: Chemistry. Dissertation: Some Reactions of *t*-Acetylenic-*t*-Amines.
- George Francis Pezdirtz, Beacon, New York
B.S., University of Notre Dame, 1955. Major subject: Chemistry. Dissertation: The Effect of High Energy Electrons on a Series of Saturated Polyesters.
- † Reverend Emil Carl Resconich, Third Order Regular of St. Francis of Penance, Portage, Pennsylvania
B.A., Saint Francis College (Pennsylvania), 1950. Major subject: Biology. Dissertation: Heat Induced Viral Susceptibility and Thermal Injury in Bean.
- John David Ryan, New Castle, Delaware
B.S., University of Delaware, 1955. Major subject: Chemistry. Dissertation: Stereochemistry of Epoxide Ring Openings and Stereochemistry of the Pinacol Rearrangement of an Epoxide to an Aldehyde.

John M. Scheidell, Kalamazoo, Michigan

B.S., Georgetown University, 1953; M.S., The Florida State University, 1956.
Major subject: Economics. Dissertation: The Time Elasticity of Demand and Productivity: A Theoretical Analysis.

† Arthur Hubert Schrynemakers, Pittsburgh, Pennsylvania

Lic.Psych., Louvain University, 1948; Lic.Ph., *ibid.*, 1951. Major subject: Philosophy. Dissertation: Descartes' Philosophical, Psychological, and Moral Views on "The Passions of the Soul."

† Father Malachy Shanaghan, Order of St. Benedict,

St. Bernard, Alabama

A.B., St. Benedict's College (Kansas), 1947; M.A., University of Notre Dame, 1954. Major subject: English. Dissertation: A Critical Analysis of the Fictional Techniques of William Faulkner.

† Michael F. Shea, Henderson, Illinois

B.S., St. Procopius College, 1955. Major subject: Physics. Dissertation: Photo-Neutron Cross Section of Beryllium Near Threshold and the Production of Monochromatic Photons.

Meyer Silver, China Lake, California

B.A., Brooklyn College, 1949; M.S., Rensselaer Polytechnic Institute, 1957. Major subject: Physics. Dissertation: The Kinetics of Potassium Chloride on Tungsten by Field Electron Microscopy.

Sister Mary Eloise Thomas, Sisters of Charity of the Blessed Virgin

Mary, Chicago, Illinois

B.A., Mundelein College, 1947; M.A., University of Notre Dame, 1955. Major subject: Economics. Dissertation: A Study of the Causes and Consequences of the Economic Status of Migratory Farm Workers in Illinois, Indiana, Michigan, and Wisconsin, 1940-1958.

† Richard Lawrence Walter, Elmhurst, Illinois

B.S., St. Procopius College, 1955. Major subject: Physics. Dissertation: Photo-Neutron Cross Section of Beryllium Near Threshold and the Production of Monochromatic Photons.

Reverend Charles Frederick Weiher, Congregation of Holy Cross,

Wapakoneta, Ohio

B.S., University of Notre Dame, 1944; M.A., *ibid.*, 1955. Major subject: Philosophy. Dissertation: Foundations of An Abstractionist Theory of Natural Number.

The Degree of Master of Arts on:

† Sister Mary Madeleva Agnew, Sisters of the Precious Blood,

Dayton, Ohio

B.A., Our Lady of Cincinnati College, 1947. Major subject: Theology. Dissertation: A Comparison of the Teaching on the Beatific Vision in St. Thomas Aquinas and St. Bonaventure.

† James William Artz, South Bend, Indiana

B.A., University of Notre Dame, 1958. Major subject: Economics. Dissertation: A Study in Seniority.

Reverend Campion Robert Baer, Order of Friars Minor Capuchin,

Wisconsin Rapids, Wisconsin

B.A., St. Felix Seminary (Indiana), 1953. Major subject: Education.

Richard Harry Chapura, Norfolk, Virginia

B.S. in P.E., University of Notre Dame, 1959. Major subject: Education.

Robert Brooke Clements, South Bend, Indiana

B.A., St. John's University (Minnesota), 1956. Major subject: History. Dissertation: The Educational Ideas of Reverend James A. Burns, C.S.C.

† William Rodney Coulson, Tempe, Arizona

B.A., Arizona State College at Tempe, 1955. Major subject: Philosophy.

† Reverend Cornelius Davin, Congregation of the Passion,

Union City, New Jersey

B.A., St. Michael's Passionist Seminary, 1948. Major subject: Philosophy.

- † Alphonse Anthony DeFlorio, New York, New York
B.A., Manhattan College, 1958. Major subject: History.
- † Hal (Harris) Arthur Finch, San Antonio, Texas
B.S., University of New Mexico, 1958. Major subject: Education.
- Mother Marie Joachim FitzGerald, Religious of the Sacred Heart
of Mary, Tarrytown, New York
B.A., University of Liverpool, 1947. Major subject: English.
- Mother Marie Annunciation Flannelly, Religious of the Sacred Heart
of Mary, New York City, New York
B.A., Marymount College, 1958. Major subject: Political Science.
- Reverend Juan Samuel Florez, Order of Friars Minor Capuchin,
Fond du Lac, Wisconsin
B.A., Seminary of Mary Immaculate (New York), 1950. Major subject:
History.
- Harry Andrew Fuchs, South Bend, Indiana
B.A., University of Notre Dame, 1958. Major subject: Education.
- James Vincent Gannon, New York City, New York
A.B., King's College (Pennsylvania), 1958. Major subject: Sociology (Cor-
rectional Administration).
- † Sister Jane de Chantal Godfrey, Sisters of Loretto at the Foot
of the Cross, Denver, Colorado
A.B., Loretto Heights College, 1953. Major subject: Education.
- Richard Stanley Grove, Coalinga, California
B.A., San Luis Rey College, 1959. Major subject: English.
- James Albert Henriott, South Bend, Indiana
B.S., Indiana State Teachers College, 1951. Major subject: Education.
- † Royce William Hughes, Schulenburg, Texas
B.S., St. Edward's University, 1950. Major subject: Theology.
- † William Byrne Hund, Congregation of Holy Cross, Washington, D. C.
B.A., University of Notre Dame, 1954. Major subject: Philosophy. Disserta-
tion: The Principles for the Division of the Speculative Sciences According
to St. Thomas, Cajetan, and John of St. Thomas.
- Edward Robert Jacobs, Peoria, Illinois
A.B., University of Illinois, 1954. Major subject: Philosophy.
- Fr. Barnabas Kannenburg, Order of Friars Minor Conventual,
Mt. St. Francis, Indiana
Ordained, Assumption Seminary (Minnesota), 1959. Major subject: Education.
- Sister Mary Agnes Kurilla, Sisters Adorers of the Most Precious
Blood, Ruma, Red Bud, Illinois
A.B., Saint Louis University, 1934. Major subject: Communication Arts.
- Theodore Thomas Kusnierz, Holyoke, Massachusetts
B.A., American International College, 1958. Major subject: Sociology (Cor-
rectional Administration).
- William Henry Leahy, Stony Point, New York
B.A., University of Notre Dame, 1959. Major subject: Economics.
- Joseph Howard Maguire, Worcester, Massachusetts
B.A., College of the Holy Cross, 1958. Major subject: English.
- Fr. F. Gerald Martin, Detroit, Michigan
A.B., Sacred Heart Seminary (Michigan), 1950. Major subject: English.
- Vincent Gerard Massaro, Buffalo, New York
B.S., Canisius College, 1959. Major subject: Economics. Dissertation: Philo-
sophical Value Theories Implicit in Economic Thought.

- † Gerald Jay Massey, Ottawa, Illinois
A.B., University of Notre Dame, 1956. Major subject: Philosophy. Dissertation: Wonder, The Beginning and the End.
- John R. McCune, Toledo, Ohio
A.B., Princeton University, 1950. Major subject: Sociology (Correctional Administration).
- Major Raymond John McGlynn, United States Marine Corps,
Chicago, Illinois
B.S., Northwestern University, 1944. Major subject: Economics.
- Lieutenant Colonel Matthew H. Merkle, United States Air Force,
Tacoma, Washington
Ph.B. in Commerce, University of Notre Dame, 1939. Major subject: English.
- Sister Mary Lawrence Mesaros, Order of Preachers, Oxford, Michigan
B.A., Siena Heights College, 1950. Major subject: English.
- Reverend William Frederick Meyers, Lansing, Michigan
B.A., Sacred Heart Seminary (Michigan), 1949; S.T.B., Gregorian University (Italy), 1951; S.T.L., The Catholic University of America, 1953. Major subject: Education.
- Sister Mary Angeline Monaco, Sisters of the Presentation of the
Blessed Virgin Mary, Fitchburg, Massachusetts
B.A., Regina Coeli College (Massachusetts), 1958. Major subject: Philosophy.
- Michael Joseph Morando, Santa Barbara, California
B.S. in P.E., University of Notre Dame, 1959. Major subject: Education.
- Lawrence Patrick Murphy, Toledo, Ohio
B.A., University of Notre Dame, 1958. Major subject: Sociology (Correctional Administration).
- Mrs. Anne Marie Poinsatte, South Bend, Indiana
Lycée Fencelon (France), 1950. Major subject: English.
- † Dennis P. Quinn, Manchester, New Hampshire
B.A., St. Anselm's College, 1958. Major subject: Philosophy.
- Karl Erich Remmen, Bocholt, Westfalen, Germany
B.A., Carroll College, 1957. Major subject: English. Dissertation: Shakespeare's Conception of Tyranny in *The Tragedy of King Richard The Third*.
- Mrs. Doris Stewart Risler, South Bend, Indiana
B.A., Upsala College, 1948. Major subject: Sociology (Correctional Administration).
- Robert S. Roe, South Bend, Indiana
B.S., Indiana State Teachers College, 1953. Major subject: Education.
- Ralph Daniel Rogers, Oakland, California
B.A., University of Notre Dame, 1958. Major subject: Sociology (Correctional Administration).
- John P. Rossi, Philadelphia, Pennsylvania
B.A., La Salle College, 1958. Major subject: History. Dissertation: The Foreign and Imperial Policies of Lord Rosebery.
- Reverend Michael Terrance Ryan, London, Ontario, Canada
B.A., University of Western Ontario, 1946. Major subject: Philosophy. Dissertation: The Analogy of Names in St. Thomas Aquinas.
- Peter Vincent Sampo, Notre Dame, Indiana
B.A., St. Vincent College, 1958. Major subject: Political Science.
- James Richard Sena, Denver, Colorado
B.S., Regis College (Colorado), 1958. Major subject: English.
- † Andrew Rutherford Sisson, Winnetka, Illinois
A.B., Harvard College, 1951; Diploma, Centre D'Etudes Industrielles (Switzerland), 1953. Major subject: English.

Brenton George Sovich, Hobart, Indiana
B.A., University of Notre Dame, 1958. Major subject: Sociology (Correctional Administration).

Conrad Stanley Spohnholz, South Bend, Indiana
B.A., Emerson College, 1954. Major subject: English.

Patric Sweeney, South Bend, Indiana
B.A., University of Notre Dame, 1955. Major subject: English.

Sister Miriam Joseph Tochtrop, Congregation of the Sisters of the Adoration of the Most Precious Blood, O'Fallon, Missouri
B.S., Saint Louis University, 1958. Major subject: Theology. Dissertation: Religious Symbolism in The Works of Carl Gustav Jung.

Reverend Leander R. Troy, Order of Carmelites, Chicago, Illinois
Ordained, St. Clara Church (Illinois), 1942. Major subject: Theology. Dissertation: The Use of Natural Motives in Some Recent American Catholic and Non-Catholic Approaches to Premarital Continence.

Edmund B. Wutzer, Philadelphia, Pennsylvania
B.A., La Salle College, 1958. Major subject: Sociology (Correctional Administration).

The Degree of Master of Music on:

† Reverend Stephen Hollis Clark, Houston, Texas
Ordained, St. Mary's Seminary (Texas), 1959. Dissertation: Mass of Blessed Eva.

† John Knowles Probst, South Bend, Indiana
B.M., University of Notre Dame, 1956.

The Degree of Master of Mediaeval Studies on:

Victor Raymond Kopidlansky, Chicago, Illinois
B.A., St. Norbert College, 1956. Dissertation: The Priors of the Sorbonne From the English-German Nation.

The Degree of Master of Science on:

† Edward J. Bara, Utica, New York
B.S., Le Moyne College (New York), 1958. Major subject: Chemistry. Dissertation: The Condensation of Some Aromatic Nitro Compounds with Arylacetonitriles.

James William Bond, Battle Creek, Michigan
B.S. in E.E., University of Notre Dame, 1958. Major subject: Mathematics.

Reverend Matthew S. Delaney, Los Angeles, California
B.A., Immaculate Heart College, 1958. Major subject: Mathematics.

William Francis Goodman, Ozone Park, New York
B.S., Saint Peter's College, 1958. Major subject: Mathematics.

John F. Hartmann, Philadelphia, Pennsylvania
B.S., Philadelphia College of Pharmacy and Science, 1958. Major subject: Biology. Dissertation: Some Histochemical Observations on the Elasmobranch Digitiform Gland.

Martin George Horak, Baltimore, Maryland
B.S., Loyola College (Maryland), 1958. Major subject: Mathematics.

† George Frederick Lawler, Junior, Indianapolis, Indiana
B.S., University of Notre Dame, 1955. Major subject: Chemistry. Dissertation: A Spectrophotometric Investigation of Thiourea and Substituted Thioureas.

Bor-Luh Lin, Taipei, Taiwan, China
B.S., National Taiwan University, 1958. Major subject: Mathematics.

Brother Alvan Maluvius, Brothers of the Christian Schools,
Saint Mary's College, California
B.A., St. Mary's College (California), 1939. Major subject: Chemistry.

- Robert Geary McGee, Boston, New York
B.A., College of the Holy Cross, 1958. Major subject: Mathematics.
- Gary Lee McGrath, Colorado Springs, Colorado
B.A., St. Benedict's College, (Kansas), 1958. Major subject: Mathematics.
- Robert Emmet Mullins, Bronx, New York
B.S., Iona College, 1958. Major subject: Mathematics.
- Reverend Campion Murphy, Missionary Servants of the Most Holy Trinity, Holy Trinity, Alabama
B.A., College of the Holy Cross, 1950. Major subject: Chemistry.
- Karl Jon Petters, St. Cloud, Minnesota
B.A., St. John's University (Minnesota), 1958. Major subject: Biology.
- John O. Riedl, Junior, Milwaukee, Wisconsin
B.S., Marquette University, 1958. Major subject: Mathematics.
- Michael Anthony Schork, Elyria, Ohio
B.A., University of Notre Dame, 1958. Major subject: Mathematics.
- Brother William Smith Schubmehl, Congregation of Holy Cross, Notre Dame, Indiana
B.S., University of Notre Dame, 1956. Major subject: Mathematics.
- Robert Louis Strauch, Baltimore, Maryland
B.S., Loyola College (Maryland), 1958. Major subject: Mathematics.

The Degree of Master of Science in Aeronautical Engineering on:

- John William Bacus, St. Paul, Minnesota
B.S. in A.E., University of Notre Dame, 1959. Dissertation: A Visual Study of the Flow Field Surrounding An Infinite Yawed Cylinder.
- John Anthony McLaughlin, Des Moines, Iowa
B.S. in A.E., University of Notre Dame, 1958. Dissertation: Techniques of Supersonic Flow Visualization by Means of Smoke Stream Tubes.
- Robert V. Plickys, Pittsburgh, Pennsylvania
B.S. in A.E., University of Notre Dame, 1958. Dissertation: Determination of the Frequency and Translational Velocity of the Organized Motion on Two Ogive Nose Cylinders.
- John W. Steurer, Affton, Missouri
B.S. in A.E., University of Notre Dame, 1958. Dissertation: The Instability of the Laminar Layer and the Mechanisms of Transition on an Ogive Nose Cylinder.

The Degree of Master of Science in Chemical Engineering on:

- Joosup Shim, Seoul, Korea
B.S. in Ch.E., Tri-State College, 1956. Dissertation: Determination of Adsorption Isotherms and Chromatographic Behavior of n-Pentane and i-Pentane.
- James Edward Voit, Philadelphia, Pennsylvania
B.S. in Ch.E., University of Notre Dame, 1958. Dissertation: Evaluation of Dew Point-Bubble Point Apparatus as a Means of Obtaining Ternary Vapor-Liquid Equilibrium Data.
- George Mitchell Watt, South Bend, Indiana
B.S. in Ch.E., Purdue University, 1949.

The Degree of Master of Science in Civil Engineering on:

- David C. Bickel, Portsmouth, Ohio
B.S. in C.E., University of Notre Dame, 1954. Dissertation: An Application of Computer Solutions to Structural Analysis.
- José Rafael Garcia, Quito, Ecuador
B.S.C.E., Central University (Ecuador), 1958.

John Richard Grindel, Chicago, Illinois
B.S. in C.E., University of Notre Dame, 1954.

† Byron Thomas Jones, South Bend, Indiana
B.S.C.E., Purdue University, 1953.

† Cecil Thomas Lobo, Bombay, India
B.S. (Civil), Gujarat University (India), 1955.

† Islam Nabi, Karachi, Pakistan
B.Eng. (Civil), University of Karachi, 1957.

Arnold Edward Schwartz, Rochester, New York
B.S. in C.E., University of Notre Dame, 1958. Dissertation: Photoelastic Investigation of Layered Soil Media.

Joseph L. Shilts, South Bend, Indiana
B.S. in C.E., University of Notre Dame, 1955.

The Degree of Master of Science in Electrical Engineering on:

† Brother H. Louis Althaus, Brothers of the Christian Schools, Memphis, Tennessee
B.S., Saint Mary's College (Minnesota), 1953.

† John Stephan Bedford, South Bend, Indiana
B.S. in E.E., University of Missouri, 1949.

Arthur Francis Brown, Dowagiac, Michigan
B.S. in E.E., University of Notre Dame, 1958.

Aurale Rene DeRuyck, South Bend, Indiana
B.S. in E.E., Iowa State College, 1951.

Thomas Werner Ernst, Tarrytown, New York
B.S. in E.E., University of Notre Dame, 1958. Dissertation: The Analysis and Compensation of a Beam-Loaded Hydraulic Serve Unit.

John Paul Mantey, Sharon Springs, Kansas
B.S. in E.E., University of Notre Dame, 1958.

Mahlon Booher Modesitt, South Bend, Indiana
B.S.E.E., Purdue University, 1951.

† Chung Dan Ng, Hong Kong, China
B.S. in E.E., University of Notre Dame, 1958.

Gerald Francis Saletta, Chicago, Illinois
B.S. in E.E., University of Notre Dame, 1958.

† Han-Chiu Wang, Chekiang, China
B.Sc., Taiwan Provincial Cheng Kung University, 1955.

Nea-Yea Woo, Taipei, China
B.S. in E.E., Taiwan Provincial Cheng Kung University, 1955.

The Degree of Master of Science in Engineering Science on:

Paul K. Boyd, Trenton, Michigan
B.S. in M.E., University of Notre Dame, 1958.

Peter James Conlisk, South Bend, Indiana
B.S. in M.E., University of Notre Dame, 1958. Dissertation: A Study of the Non-Symmetric Stress Tensor.

Thaddeus Harry Moraczewski, South Bend, Indiana
B.S. in M.E., University of Notre Dame, 1950.

George Arthur Rozgonyi, Bayonne, New Jersey
B.S. in A.E., University of Notre Dame, 1958. Dissertation: A Study of Thermal Instability and Its Application to Heat Transfer Problems.

Donald Beveridge Taylor, South Bend, Indiana
B.S., University of Maryland, 1956.

The Degree of Master of Science in Mechanical Engineering on:

Thomas Allen Bott, Danville, Illinois

B.S. in M.E., University of Notre Dame, 1956. Dissertation: Optimum External Fin Spacing for Laminar Flow Through Compact Finned-Tube Heat Exchangers.

† Anthony Frank D'Souza, Bombay, India

B.E. (Mech.), University of Poona (India), 1954.

† Frank Andrew Jeglic, South Bend, Indiana

B.S. in M.E., University of Notre Dame, 1958. Dissertation: A Mathematical Formulation of Equations for Turbulent, One-Component, Two-Phase, Stratified Flow Through Long, Horizontal Pipes with Heat Transfer.

Matthew James McKenna, Yonkers, New York

B.S. in M.E., University of Notre Dame, 1959. Dissertation: Experimental Determinations of the Flow Patterns in a Uniflow Vortex Tube.

Howard Edwin Pollard, Elmhurst, Illinois

B.S. in M.E., University of Notre Dame, 1958.

William Joseph Sidelko, Dearborn, Michigan

B.S. in M.E., University of Notre Dame, 1959.

† Richard Joseph Waltz, Barberton, Ohio

B.S. in M.E., University of Notre Dame, 1958.

THE LAW SCHOOL

The Degree of Bachelor of Laws on:

James Raymond Beattie, Fair Lawn, New Jersey
John Francis Beggan, Watertown, Wisconsin
George Robert Blakey, Burlington, North Carolina
John Edward Borgerding, Beloit, Wisconsin
William Ernest Borrer, South Bend, Indiana
Michael Angelo Bosco, Jr., Detroit, Michigan
Lawrence James Bradley, Albany, New York
Howard Richard Collins, Chicago, Illinois
William Benjamin Custer, Fredonia, New York
John Thompson D'Arcy, Wellsville, New York
John Adam DiNardo, Cleveland, Ohio
Thomas Joseph Erbs, St. Louis, Missouri
Don Richard Gardner, Cincinnati, Ohio
Donald Alan Garrity, Helena, Montana
Edward Carl Hilgendorf, Sturgis, Michigan
Gordon C. C. Ho, Honolulu, Hawaii
Matthew Terrence Hogan, Lima, New York
Robert Joseph House, Babylon, New York
Alfred Albert Kaelin, Sacramento, California
Francis James Kane, Jr., Kenmore, New York
Jon Stanley Kubiak, Niles, Michigan
Robert Leonard Kuhns, Algonquin, Illinois
Robert Emmett Manning, Jr., Peoria, Illinois
Joseph Anthony Marino, Washington, D. C.
Hugh Joseph McGuire, Flushing, New York
Lester Fuller Murphy, Jr., Hammond, Indiana
Nicholas Jerome Neiers, Cascade, Iowa
John Vincent Reilly, Jr., Newark, New Jersey
Charles Joseph Reymann, Akron, Ohio
Gene Arthur Salem, Akron, Ohio
John Arthur Slevin, Peoria, Illinois
John Richard Sullivan, Chicago, Illinois
James Stewart Taylor, Elkhart, Indiana
Paul Hinchey Titus, Bradford, Pennsylvania
Lawrence Doyle Wichmann, Erlanger, Kentucky

THE COLLEGE OF ARTS AND LETTERS

The Degree of Bachelor of Arts on:

David Randolph Adam, Houston, Texas
Thomas Louis Adamson, Kenosha, Wisconsin
John Clement Adler, Joliet, Illinois
Michael James Ahern,* Indianapolis, Indiana
John Clement Akalaitis, Chicago, Illinois
George Gordon Albright, Central Islip, L.I., New York
James Allan, III, Chicago, Illinois
Philip Charles Allen, Chicago, Illinois
Brother Robert John Antonetti, C.S.C., West Haven, Connecticut

* Cum Laude

** Magna Cum Laude

*** Maxima Cum Laude

† Degree Conferred February 1, 1960

Keith Willard Anzilotti, Wilmington, Delaware
 James Calvin Ausum,* Flat Rock, Michigan
 John Patrick Ayers, Hamburg, New York
 Bruce Edward Babbitt,** Flagstaff, Arizona
 John Joseph Bachner, Jr., River Forest, Illinois—*Posthumous Award*
 Thomas Francis Banchoff,** Trenton, New Jersey
 Michael Arthur Barrett, Peekskill, New York
 Stephen Thomas Barry, Elizabeth, New Jersey
 James August Bartel, Huntington, Long Island, New York
 Daniel William Barthell, Peoria, Illinois
 Lewis Michael Bekelja, Harrisburg, Pennsylvania
 † Theodore Bernard Belec, South Bend, Indiana
 Robert James Bennison, Frankfort, New York
 Robert Joseph Beranek,* Chicago, Illinois
 Kendon Thomas Birchard, Wilton Junction, Iowa
 William Duane Bird, South Bend, Indiana
 † Brother Charles Francis Blavat, Akron, Ohio
 Ronald Eugene Blubaugh,* Portland, Oregon
 Lt. Frederick James Blum, III, U.S. Navy, West Chicago, Illinois
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Donald Joseph Baker, Cleveland, Ohio
 John Arnold Birdzell,* Bismarck, North Dakota
 John Welch Carpenter, Mahopac, New York
 James Robert Daiber,* Doylestown, Ohio
 Robert Korte Fulton,* Roanoke, Virginia
 James Francis Hayes, Larchmont, New York
 Douglas William Heying,** Alta Vista, Iowa
 Dermot Kelleher,* Wethersfield, Connecticut
 John Robert Kohout, Defiance, Ohio
 Robert August Marose, North Arlington, New Jersey
 Paul James Marto,** Little Neck, New York
 Thomas James Moran,* Delano, Minnesota
 David Joseph Nagel,** West Chicago, Illinois
 Andrew Stephen Poltorak,** Somerville, New Jersey
 William Casey Reilly, Jr., West Orange, New Jersey
 David Fred Roller, Hazleton, Pennsylvania
 Richard Stephen Sapp,* Munhall, Pennsylvania
 Frederick James Sellers, Wellston, Ohio

The Degree of Bachelor of Science in Mechanical Engineering on:

John James Adams, Washington, D. C.
 Salem Vincent Ahto, Madison, New Jersey
 Paul William Beiter,** Lancaster, Ohio
 † Thomas Neros Berthiaume, Superior, Wisconsin
 John Edward Bislew, Racine, Wisconsin
 William O'Brien Boland, Jr., Louisville, Kentucky
 Robert Murdock Bowen, Evanston, Illinois
 Joseph Charles Cash, Anamosa, Iowa
 John Louis Castello, St. Louis, Missouri
 Michael Morency Cleary, Winnetka, Illinois
 William Joseph Dalton, Jr., LaGrange, Illinois
 Karl Francis Dietsch, South Bend, Indiana
 Leo Andrew Dilling,* Gary, Indiana
 † Patrick Edwin Dittrich, Short Hills, New Jersey
 Joseph William Dorrycott, Washington, Pennsylvania
 † Gerald Roger Eddens, St. Louis, Missouri
 Frank Duane Eischen, Cherokee, Iowa
 Stephen Elek, Jr., South Bend, Indiana
 Charles Richard Evces, East Liverpool, Ohio
 † Edmund David Foley, Anderson, South Carolina
 John Frederick Foote, San Gabriel, California
 Robert Alphonse Goldschmidt, Cincinnati, Ohio
 James Gerard Griffin, Pittsburgh, Pennsylvania
 William Edward Grunert,* Lowville, New York

John Philip Gundermann, Park Forest, Illinois
 Duane Otto Haag, Thompson, Iowa
 Donald William Hanigan, Chicago, Illinois
 † James Lee Heavey, Chicago, Illinois
 Michael James Henderson,* Lafayette, California
 Jerome Charles Hensler, Irwin, Pennsylvania
 Thomas Joseph Hiron,* Adrian, Michigan
 William Ward Howard, La Jolla, California
 † Jerome George Jungels, Aurora, Illinois
 Thomas John Keegan, Rochester, New York
 Edward Thomas Kennedy,* Chicago, Illinois
 Dennis Reese Kidder, Chicago, Illinois
 Daniel Ernest Kletter, Pittsburgh, Pennsylvania
 Robert Louis Koch, II,* Evansville, Indiana
 † Richard Charles Latimer, Appleton, Wisconsin
 Lawrence Edward Leach, Grand Rapids, Michigan
 Anthony Thomas Liotti, Buffalo, New York
 † Phillip Wallace Ludwig, Kalamazoo, Michigan
 Jerome Joseph Lukas, South Bend, Indiana
 Brian Patrick Mahedy, Des Moines, Iowa
 John Francis Mannion, Jr., Oak Park, Illinois
 Eugene Richard Masters, Great Neck, New York
 Joseph Frederick McBride,** Saint Louis, Michigan
 Thomas Joseph McCarey, Short Hills, New Jersey
 Theo Henry McCourtney, Jr.,* Memphis, Tennessee
 † Michael Burke McGrath, Davenport, Iowa
 Robert Joseph McKenzie, Galesburg, Illinois
 Robert William Meyer, Jr., Cadillac, Michigan
 Raymond Edward Mullen, Cheltenham, Pennsylvania
 † William Leslie O'Bryan, Chicago, Illinois
 Massimiliano Mickey Pavia, Milan, Italy
 Harry Francis Pepper, Jr., Butler, Pennsylvania
 Thomas Joseph Plevyak, Newton, New Jersey
 Frank James Ponzio, Jr., New Providence, New Jersey
 Stephan Alexander Pursley,** Indianapolis, Indiana
 † Daniel Paul Rapp, Buffalo, New York
 William George Roth,* Lamberton, Minnesota
 Edward James Shadd, Fayetteville, New York
 Thomas Tibor Shishman,* Norfolk, Virginia
 † Charles Morris Sincell, Jr., Fairmont, West Virginia
 Richard Paul Sokolovske, Sioux City, Iowa
 Charles Gerard Speicher, Carbondale, Pennsylvania
 Dee Cooper Stevenson, Wichita, Kansas
 Eugene Conrad Sutton, Belleville, Illinois
 Donald Gregory Sweeney, Fargo, North Dakota
 Victor Eduardo Vidaurre Heiremans,* Santiago, de Chile
 Frank John Visovatti, Virginia, Minnesota
 John Anthony Weglinski,* Jersey City, New Jersey
 Robert Paul Weingart, Cranford, New Jersey
 Paul Joseph White, South Bend, Indiana
 Edward Nick Wojcik, Manchester, Connecticut
 James Bragdon Wulf, Rock Island, Illinois

The Degree of Bachelor of Science in Metallurgy on:

James Leroy Cruse, Jr., Alexandria, Louisiana
 Robert Joseph Diersing, Youngstown, Ohio
 Thomas James Fitzgerald, University Heights, Ohio

Donald Robert Geis, Grosse Pointe Woods, Michigan
Thomas Edward Kowalski, Grand Rapids, Michigan
Joseph Leo Long, III, Tacoma, Washington
Richard Francis Schossler, Titusville, Pennsylvania
Richard Leon Stegman, Arlington, Virginia

THE COLLEGE OF COMMERCE

The Degree of Bachelor of Philosophy in Commerce on:

Paul Terrence Lamb, Washington, D. C.
Richard Freeman Lark,* East Williston, New York

The Degree of Bachelor of Science in Commerce on:

Caram Joseph Abood, Johnstown, Pennsylvania
† Ronald Louis Boucher, Arlington, Massachusetts
Robert Michael Brady, Celina, Ohio
John Gorman Byrne, Jr., Williamsville, New York
† Richard John Ciesielski, South Bend, Indiana
Paul Henry Deniger, Beaver Dam, Wisconsin
† Brian Francis Foley, New Canaan, Connecticut
David Hadley Kelsey, Santa Fe, New Mexico
† Leon Joseph Kindt, South Bend, Indiana
† Edward Michael Lahey, Lee, Massachusetts
† Francis Hunter Loosen, Okarche, Oklahoma
Thomas Alexander Mayer,* Bismark, North Dakota
William Joseph Moore, Detroit, Michigan
† Arthur Paul Murphy, Milton, Massachusetts
† Joseph Edward O'Callaghan, Memphis, Tennessee
† Robert Eldridge Pruett, Elgin, Illinois
Robert William Reaume, Santa Monica, California
† John David Samuelson, Rochester, New York
Edward Joseph Schaaf, Jasper, Indiana
Joe Leo Shaw,** Bloomington, Illinois
† William Alfred Schroeder, LaPorte, Indiana
Joseph Stephen Slade,* South Bend, Indiana
Richard Keith Uhlmeier, Rock Island, Illinois

The Degree of Bachelor of Business Administration on:

Kenneth Marshall Adamson, Colorado Springs, Colorado
Luke John Albers, Celina, Ohio
James Joseph Anderson, Cortland, New York
Gerald Patrick Arnoult, Memphis, Tennessee
Paul Alexander Barela, Albuquerque, New Mexico
Joseph William Barry, Quakertown, Pennsylvania
† Anthony Robert Bartolini, Chicago Heights, Illinois
Andrew Patrick Barton, Jr., Cincinnati, Ohio
Thomas Joseph Bartsch, Aurora, Illinois
Thomas Frederick Bates,* Meadville, Pennsylvania
Richard John Belmont, Highland Park, Illinois
Richard Clark Benkendorf, Bushnell, Illinois
Robert George Bennett, Freeport, Illinois
William Joseph Bennett, Kirkwood, Missouri
Paul Basil Beretz, Great Neck, Long Island, New York

Paul Anthony Bertsch, Akron, Ohio
 Thomas Carl Biever, Aurora, Illinois
 Robert Joseph Blum, Jr., Cincinnati, Ohio
 Armand Ronald Bobrick, Corning, New York
 Dennis Joseph Bodziony, Garfield Heights, Ohio
 John Donald Bolger, Jr., Elgin, Illinois
 Richard Warren Bond,* Battle Creek, Michigan
 Anthony Patrick Borrello, Brooklyn, New York
 Jorge Frank Boyd, Panama City, Panama
 Peter Kahl Boyle, Sharon, Pennsylvania
 † Charles David Broecker, Indianapolis, Indiana
 Ronald Otis Broussard, Long Beach, Mississippi
 Marion Lee Brown,** Memphis, Tennessee
 Austin Roger Brunelli, Jr., Norfolk, Virginia
 Ronald Matthew Bukowski, Milwaukee, Wisconsin
 John Colman Burke, Chicago, Illinois
 John Joseph Burns, Chicago, Illinois
 Thomas Henry Burns, Emmaus, Pennsylvania
 † Charles Clements Butler, Mankato, Minnesota
 Edward Bernard Butler, Jr.,* Akron, Ohio
 John Patrick Callahan, Chicago, Illinois
 John Vincent Carretta, Arlington, Virginia
 William Arthur Cashman, Jr.* Westfield, New Jersey
 Alfonso Robert Cennamo, Woodlyn, Pennsylvania
 John Francis Cihak,* San Diego, California
 William Arthur Clamens, Caracas, Venezuela
 William John Clancy, South Bend, Indiana
 Charles Clark, Jr., Dallas, Texas
 Donald William Clark, River Edge, New Jersey
 Paul Anthony Cloedy, St. Louis, Missouri
 † James Francis Colosimo, Eveleth, Minnesota
 William Joseph Comerford, Joliet, Illinois
 Donald Francis Condit, Ferndale, Michigan
 Terrence Nolan Conway, Kansas City, Missouri
 Joseph Foeller Cooney,* Delaware, Ohio
 Thomas Michael Corcoran, Morton Grove, Illinois
 Peter Alan Corrigan, Larchmont, New York
 Neil Bernard Cousino, Erie, Michigan
 Patrick Joseph Crawford, Des Moines, Iowa
 Francis Patrick Creadon, Riverside, Illinois
 Richard Mason Crooks, Summit, New Jersey
 William Stephen Culliton, South Bend, Indiana
 George Vincent Cunney, Salem, Massachusetts
 Richard Clark Daggett, Cheboygan, Michigan
 Charles Michael Daly, Far Hills, New Jersey
 Gary Michael Dalzell, Kokomo, Indiana
 William Richard Darnell,* Paducah, Kentucky
 William Samuel Davis, Columbus, Ohio
 Pierce Edward DeGross, Mountain Lakes, New Jersey
 Arthur Joseph Delaney, DuBois, Pennsylvania
 Jerome James DeLay, III, Downers Grove, Illinois
 Clemence John DeMack, Harvey, Illinois
 Thomas Michael Dempsey, Dubuque, Iowa
 Fredrick Mathew Deutsch, Neenah, Wisconsin
 Donald Joseph Dimberio,* Wickliffe, Ohio
 Francis Xavier Distel, East Lansing, Michigan
 Michael Francis Dodd, Columbus, Ohio

James Emmet Dohany, Detroit, Michigan
 James Thomas Doherty, Somerset, Pennsylvania
 David Matthew Dooley,* Loogootee, Indiana
 John Frederick Dorenbusch,* Middleton, Ohio
 † Tracy McLean Douglass, Rockaway Beach, New York
 James Charles Doyle, Birmingham, Michigan
 Joseph John Drago, New York, New York
 Gerald Michael Driscoll, Oak Park, Illinois
 Willard Theodore Dudley, Jr., Newhall, California
 † William Joseph Duma,* Milwaukee, Wisconsin
 Walter James Easterly, Hollywood, Florida
 Charles Arthur Eaves, III, Hudson, Ohio
 James Herbert Eggert, Oak Park, Illinois
 Paul Michael Ehlerman, Glenview, Illinois
 George Jeremiah Ellis, Houston, Texas
 William John Erwin, Jr., Chicago, Illinois
 Harry Richard Favret, Cincinnati, Ohio
 David Andrew Fay, Needham, Massachusetts
 Michael Anthony Feldmeier, Chicago, Illinois
 William Thomas Ferns, Jr., Concord, New Hampshire
 Robert Cummings Findlay, Washington, D. C.
 William VanCamp Fischer, Fort Pierre, South Dakota
 John Martin Fitzgibbon, Oak Park, Illinois
 Christopher Stephan Flanagan, Port Arthur, Texas
 James Joseph Flannery, Cleveland, Ohio
 Howard Patrick Foley, New Canaan, Connecticut
 Michael Timothy Foley, Vancouver, British Columbia
 Henry James Frawley, Spearfish, South Dakota
 Richard Ives Fremgen,* Arlington Heights, Illinois
 † Gerald Jenkins Friesenecker, Freeport, Illinois
 Gerald George Froelke, Jr., Hamilton, Ohio
 Roger Allen Fuydal, Clifton, New Jersey
 Fred Eric Gade,* Birmingham, Michigan
 John Michael Gamble, South Bend, Indiana
 John Paul Gehl,* Milwaukee, Wisconsin
 Eugene Thomas Gibney, Jr., Grosse Pointe, Michigan
 Patrick Edward Ginley, Cleveland, Ohio
 Richard Conrad Glomb, Hamilton, Ohio
 Alberto Jose Gonzalez, San Juan, Puerto Rico
 Jerome Louis Gould, Erie, Pennsylvania
 Nicholas John Graffeo, Jr., Homewood, Alabama
 Richard Hunter Graham, Chicago, Illinois
 Daniel Bernard Grams, South Bend, Indiana
 Thomas Francis Grojean,* Chicago, Illinois
 Leonard Joseph Hanlock, Winfield, Illinois
 Eugene Burks Harshbarger,** Naperville, Illinois
 Peter VanAmberg Hasbrook, Green Bay, Wisconsin
 Keith Anthony Hauge,* Winona, Minnesota
 John Joseph Healy, Jackson, Mississippi
 Richard Thomas Healy, Detroit, Michigan
 Patrick Dennis Heenan, Detroit, Michigan
 Robert James Helfenbein, Chicago, Illinois
 Harry Leonard Henning, Jr.,* Chamblee, Georgia
 Thomas Allan Herbstritt, Jr., River Forest, Illinois
 William Roger Hickey, Geneva, Illinois
 Joseph Melody Hilger, Columbus, Indiana
 Robert Lee Hollis,** Aurora, Illinois

Robert Lawrence Horn,* Green Bay, Wisconsin
 Eugene Edward Hracho,* Reading, Pennsylvania
 Thomas Charles Huck, Quincy, Illinois
 James Edward Hutton, Muskegon, Michigan
 Richard Cornell Imming, Elgin, Illinois
 Felix William Isherwood, III, Montclair, New Jersey
 George William Izo, Barberton, Ohio
 Rodger Kiley Jenkins, Richmond, Indiana
 Robert James Juckniess, Riverside, Illinois
 Henry Joseph Junge, Chicago Heights, Illinois
 Kenneth George Kabza, Chicago, Illinois
 Thomas Nickolas Kamp, LeMars, Iowa
 George David Kappus,* Elmhurst, Illinois
 James Paul Kelly, Bartlesville, Oklahoma
 John Leslie Kelly, Jr., Riverside, Illinois
 William Thomas Kelly, Teaneck, New Jersey
 Edward Alan Kennedy, Winnetka, Illinois
 Thomas Michael Kennedy, Hartford, Connecticut
 James Blair Kenny, Jr., Niles, Michigan
 John Paul Kenny, Chicago, Illinois
 Edward James Kfoury, Andover, Massachusetts
 Stephen Anthony Kiley, Kokomo, Indiana
 William Burnell Killilea, San Mateo, California
 Edward Travis Kirchmier, Jr.,* Portsmouth, Virginia
 Michael Robert Kopcsik, Orchard Lake, Michigan
 Joseph Michael Krupp, Jr.,** Miami Shores, Florida
 Frederick Lawrence Kurst, Trenton, New Jersey
 John Robert LaMontagne, Chicago, Illinois
 John Robert Lang, Lyndon, Kentucky
 Terry Xavier Laughlin,* Long Beach, California
 Ernest Joseph Lawinger, Dodgeville, Wisconsin
 Maurice Joseph Lefere, Jackson, Michigan
 David William Leicht, Rochester, New York
 James Leon Lekin, Des Moines, Iowa
 Albert Coad LeSage, Superior, Wisconsin
 Gill Marrin Lewis,* Ladue, Missouri
 Robert Francis Logan, Milton, Massachusetts
 Lawrence Chester Loje, Euclid, Ohio
 Paul Francis Lombardi,* Rome, Georgia
 Gregory George Lucas, Sioux Falls, South Dakota
 James Vincent Lynott, Chicago, Illinois
 Daniel Joseph MacDonald, Muncie, Indiana
 Richard Albert Maday, Chicago, Illinois
 John Joseph Maher, New Castle, Indiana
 Keith Kahlo Malcolm, South Bend, Indiana
 Thomas Joseph Malia, Mishawaka, Indiana—*Posthumous award*
 Charles Joseph Maneri, Jr.,* Poughkeepsie, New York
 David Joseph Maresh, Cedar Rapids, Iowa
 Jacob Robert Marhoefer, Glenview, Illinois
 Robert Peter Marschall, Wilmette, Illinois
 Thomas Joseph Martin, Chicago, Illinois
 Raymond Rockne Maturi, Chisholm, Minnesota
 Mario John Mauro, Lincoln Wood, Illinois
 John Warren McCann, Stamford, Connecticut
 Daniel Leo McClorey, Detroit, Michigan
 William Keating McCormick, Merrick, New York
 William George McCoy, Bareville, Pennsylvania

Allen Arthur McCusker, Brooklyn, New York
 Francis Patrick McFadden, Jr., New Rochelle, New York
 Donald Paul McGann, Joliet, Illinois
 Daniel Jeremiah McGlynn, St. Louis, Missouri
 John Patrick McKenna, Jr., Albany, New York
 Edward James McKeown, Chesterton, Indiana
 John Robert McNeil, III, Lawrenceville, New Jersey
 Daniel Edward McVeigh, Bellerose, New York
 Thomas Allan Mekus, Archbold, Ohio
 John Carroll Merchant, Wauwatosa, Wisconsin
 Charles Thomas Meyers,* Cincinnati, Ohio
 Robert Edward Miles, Fort Wayne, Indiana
 George James Milton, Sands Point, New York
 Michael Thomas Monahan, Cleveland Heights, Ohio
 Michael John Muehlbauer, Buffalo, New York
 John George Mueller, Sherwood, Wisconsin
 Paul Joseph Mulcahy, Jr., South Orange, New Jersey
 John Michael Mulhall, Owosso, Michigan
 Leonard Joseph Muller, Greenbelt, Maryland
 Dennis James Murphy,* Grand Rapids, Minnesota
 Forrest Joseph Murphy, Clayton, Missouri
 Kenneth Bernard Murphy,* Malverne, New York
 Michael Max Murphy,* Beverly Hills, California
 Terence James Murphy, Hammond, Indiana
 Andrew James Murray, Cedar Rapids, Iowa
 Marco Joseph Muscarello,* Niles, Illinois
 William Paul Najjum, Roanoke, Virginia
 Timothy Scott Needler,* Fort Wayne, Indiana
 Robert Joseph Nicolazzi, Kenosha, Wisconsin
 William Michael Noyes, Prairie Village, Kansas
 Declan Joseph O'Donnell, Detroit, Michigan
 Frederick Russell Ogan, Crown Point, Indiana
 James Reed O'Malley, Aurora, Illinois
 Philip Joseph O'Reilly, New York, New York
 Brian Kevin O'Sullivan, Newburgh, New York
 Laurence David Otte, Appleton, Wisconsin
 Alfred Jerome Owings, Richmond, Virginia
 Sahag Garabed Oxian, South Bend, Indiana
 Mauro Jerome Pando, Larchmont, New York
 John Harry Parker,* Petoskey, Michigan
 Robert Copeland Paul, Jr., Raleigh, North Carolina
 Ronald Victor Paul, Detroit, Michigan
 Matthew James Peters, Iowa City, Iowa
 Carl Russell Peterson, Jr., Jamestown, New York
 Robert Bernard Pfeifer, Indianapolis, Indiana
 William Kyran Phelan,* Chicago, Illinois
 James William Pielsticker, Tulsa, Oklahoma
 Gerald Morris Pierce, Minburn, Iowa
 † Raymond Daniel Plencner, South Bend, Indiana
 Warren Richard Plunkett, Wilmette, Illinois
 Edward John Pocius, Chicago, Illinois
 Thomas Felice Policastro, Greensburg, Pennsylvania
 John Ernest Potarf, Denver, Colorado
 Victor Francis Potochny, South Bend, Indiana
 Patrick James Potter, Detroit, Michigan
 William Charles Potter, Jr.,* Birmingham, Michigan
 John Edward Pouba, Cicero, Illinois

Charles Edgar Priester, Wheeling, Illinois
 † Edward Vaughan Quinn, River Forest, Illinois
 John James Quinn, Jr., Philadelphia, Pennsylvania
 James Eric Radke, Waukegan, Illinois
 Russell Monroe Raque, Louisville, Kentucky
 Joseph John Reaney, Manhasset, New York
 George Herbert Reeber, Detroit, Michigan
 Thomas Vanhorn Reichert, Minneapolis, Minnesota
 Terence Michael Reidy, Kansas City, Missouri
 John Terence Reilly, South Euclid, Ohio
 Patrick Vincent Reilly,* Lake Forest, Illinois
 John Henry Reisert, Louisville, Kentucky
 † Frank Reinhold Reitter, Chicago, Illinois
 Daniel Leon Reynolds, Pittsburgh, Pennsylvania
 Eugene James Richiski, Florida, New York
 Harry J. Richter, Rochester, Indiana
 Thomas Michael Rini, Cleveland, Ohio
 † David Lee Roemer, Milwaukee, Wisconsin
 Louis Michael Romano, Chicago Heights, Illinois
 Thomas Joseph Ruetz,* South Bend, Indiana
 George Warren Ryan, Great Neck, New York
 James Joseph Ryan, III, Warren, Ohio
 Peter Ambrose Ryan, Jr., Trenton, New Jersey
 Albin Walter Sabal, Chicago, Illinois
 Burnette Gregory St. Romain, Jr., Bunkie, Louisiana
 Frederick Lewis Salmon, III, Chicago, Illinois
 David Emerson Sanger, Monroe, Michigan
 Ralph Hanrahan Sauer, Houston, Texas
 Peter Elias Sayour, Brooklyn, New York
 Paul David Scagliarini, Ludlow, Massachusetts
 Kenneth Robert Scarbrough, McDonald, Ohio
 Gerard Rody Scheib, Jr., Winnetka, Illinois
 † Richard Joseph Scheibelhut, Mishawaka, Indiana
 Michael Joseph Schlitt, Chicago, Illinois
 Gene Herbert Schulz, Port Arthur, Texas
 Charles Joseph Scrivanich, Lyndhurst, New Jersey
 Harold Aloysius Seitz, Atlanta, Georgia
 Richard Marantette Senecal, Detroit, Michigan
 Brian Owen Shannon,** Chicago, Illinois
 Phillip Stephen Singleton, Jr., Salem, Massachusetts
 Ben Michael Sirianni, Jr., Eau Claire, Wisconsin
 Kenneth Clay Smith, Indianapolis, Indiana
 Paul Thomas Smith, Garden City, New York
 Russell Edmund Smith, Plainville, Connecticut
 Donald John Sonnenberg, Erie, Pennsylvania
 William Louis Stehle,** Sandusky, Ohio
 James Edward Sullivan, Evanston, Illinois
 Wayne Allen Sullivan, Chicago, Illinois
 John Paul Swartz, South Bend, Indiana
 James Christian Teare, Beaumont, Texas
 John Vincent Thilman, South Bend, Indiana
 Lawrence Arthur Tholen, Wichita, Kansas
 Joseph Thummess, Jr., Interlaken, New Jersey
 Robert Floyd, Toland, Chicago, Illinois
 William Charles Troy, De Witt, Iowa
 Thomas William Tucker, Reading, Pennsylvania
 James Patrick Turner, Cedar Rapids, Iowa

Tormey Louis Ward, San Mateo, California
James Manus Waters, Philadelphia, Pennsylvania
Nestor Rupert Weigand, Jr., Wichita, Kansas
Charles Franklin Wentworth, De Witt, New York
Michael Frederick West, Avon, New York
William John White, Dubuque, Iowa
Robert Philips Williams, Falls Church, Virginia
Walter Charles Williamson, Deadwood, South Dakota
Walter Louis Wittenberg, Clayton, Missouri
James Anthony Wysocki,* Chicago, Illinois
George Louis Zumner, South Bend, Indiana
John Alan Zurewich, Staten Island, New York

NATIONAL FELLOWSHIPS AWARDED FOR 1960-61

United States Government Fellowships for Study Abroad:

(Fulbright Fellowships)

Paul A. Bödy, for study in Austria (History)
Michael E. Butler, for study in Germany (Mathematics)
Sheldon M. Franz, for study in Germany (History)
Joseph A. Martellaro, for study in Italy (Economics)
Klaus Muller-Bergh, for study in Brazil (History)
Michael Skop, for study in Italy (Sculpture)

Marshall Fellowship:

Bruce E. Babbitt

National Science Foundation Predoctoral Fellowships:

Sister M. Antonia Handy, S.V.M. (Genetics)
Claiborne H. Johnson (Mathematics)
John P. Mantey (Engineering)
John C. Polking (Mathematics)
Stephen A. Pursley (Engineering)
Charles E. Riehm, Jr. (Engineering)
John J. Uebbing (Engineering)

National Science Foundation Postdoctoral Fellowship:

Arnold P. Stokes (Mathematics)

National Science Foundation Cooperative Graduate Fellowships:

John C. Cantwell (Mathematics)
Ronald J. Knill (Mathematics)
Allan J. Malvick (Engineering)
John O. Riedl, Jr. (Mathematics)
John E. Scheu, Jr. (Engineering)
Donald R. Weidman (Mathematics)

National Science Foundation Summer Fellowships for Graduate Teaching Assistants:

John E. Derwent (Mathematics)
Charles A. Kelsey (Physics)
Ernest R. Menold (Engineering)

Woodrow Wilson Fellowships:

Bruce E. Babbitt
Thomas F. Banchoff
Lawrence J. Bradley
David C. Christian
William J. Donnelly
W. Reynolds Farley
Michael W. Farrell
Robert L. Hollis
Lawrence G. Martin

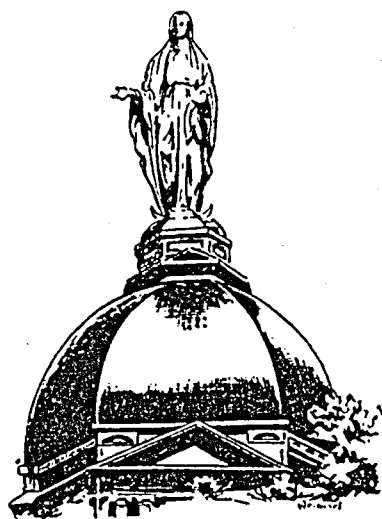
James L. Merz
David J. O'Brien
John R. O'Brien
James D. Rose
Thomas J. Scanlon
Edward C. Thompson
William F. Thrall
Franklin J. Tonini
James J. Yoch

Danforth Fellowships:

Bruce E. Babbitt
Thomas F. Banchoff
James J. Yoch

Rhodes Scholarship:

William D. Shaul



THE ACADEMIC COSTUME CODE

The history of academic dress reaches far back into the early days of the oldest universities. Academic dress finds its sources chiefly in ecclesiastical wear, although mediaeval scholars tended to adopt a collegiate costume. A statute of 1321 required that all "Doctors, Licentiates and Bachelors" of the University of Coimbra (Portugal) wear gowns. Beginning with the second half of the 14th century, civilian collegiate costume was specified in various regulations of the universities. European institutions continue to show great diversity in their specifications of academic wear.

In American colleges and universities, the academic costume is prescribed by the American Council of Education, and its present form was adopted in 1932. The first suggestion for a uniform code was made in May, 1895, following an educational conference at Columbia University. In 1902, the Intercollegiate Bureau of Academic Costumes was created. It codified the 1895 rules and its legal firm serves as a clearing house and "repository" for official university and college colors, costumes and insignia.

The present academic dress consists of gowns, hoods and cap with the pattern and trimmings listed below. Exceptions have been granted to specific universities upon request.

GOWNS: Black cotton with long pointed sleeves for the Bachelor's Degree, long closed sleeves (with a slit for the arms) for the Master's Degree, and bell-shaped open sleeves for the Doctor's Degree. The Bachelor's and Master's gowns do not have trimmings. The Doctor's gown is faced down the front with black velvet and there are three bars of velvet across the sleeves.

HOODS: Black in all cases. For the Master's it is three and one-half feet long and closed at the end. The Doctor's hood is four feet long with panels at the sides. All hoods are lined with the official color or colors of the college or university which conferred the highest degree. The edging of the hood is velvet and three inches and five inches in width for the Master's and Doctor's degree, respectively, while its color is distinctive of the subject field.

CAPS: Black cotton and stiffened into the so-called mortarboard style. Each cap has a long tassel fastened to the middle point of the top of the cap. The tassel color denotes the subject field. The Doctor's cap may have a tassel of gold thread.

Subject Field Colors Used on Hoods and Caps

Arts and Letters	White	Law	Purple
Commerce and Accountancy	Drab	Music	Pink
Economics	Copper	Philosophy	Dark Blue
Education	Light Blue	Physical Education	Sage Green
Engineering	Orange	Science	Golden Yellow
Fine Arts including Architecture...	Brown	Theology	Scarlet
Humanities	Crimson		

Blue and Gold in Hoods Denotes a Notre Dame Degree