

One Hundred Seventeenth
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 BUSINESS ADMINISTRATION



On the University Mall

At 2:00 p.m. (Central Daylight Time)

Sunday, June 3, 1962

PROGRAM

PROCESSIONAL

PRESENTATION OF THE LAETARE MEDAL to Dr. Francis Braceland

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

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 Frederick D. Rossini Dean of the College of Science by Norman R. Gay Dean of the College of Engineering by James W. Culliton Dean of the College of Business Administration

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

PRESENTATION OF THE LAY FACULTY AWARD

COMMENCEMENT ADDRESS by the Honorable Henry Cabot Lodge Former U.S. Ambassador to the United Nations

THE BLESSING by His Excellency Paul J. Hallinan, D.D., Archbishop of Atlanta

Degrees Conferred

The University of Notre Dame announces the conferring of:

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

Most Reverend Paul J. Hallinan, D.D., Archbishop of Atlanta
Honorable Henry Cabot Lodge, Beverly, Massachusetts
Dr. Frederick Seitz, Urbana, Illinois
Mr. Teodoro Moscoso, Washington, D. C.
Judge James Skelly Wright, Washington, D. C.

The Degree of Doctor of Fine Arts, honoris causa on:

Mrs. Frank J. Lewis, Chicago, Illinois

The Degree of Doctor of Science, honoris causa on:

Dr. Peter Debye, Ithaca, New York

The Degree of Doctor of Engineering, honoris causa on:

Mr. Frank M. Freimann, Fort Wayne, Indiana

The Degree of Doctor of Letters, honoris causa on:

Prof. John T. Frederick, Notre Dame, Indiana

IN THE GRADUATE SCHOOL

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

The Degree of Doctor of Philosophy on:

† Joseph D. Benigni, Joliet, Illinois

B.S., Saint Mary's College (Minnesota) 1957. Major subject: Chemistry.
Dissertation: Some Reactions of 4-(Arylcyanomethylene) benzequinone Oximes.

Chester Francis Burgess, South Bend, Indiana

B.A., Yale University, 1944; M.A., University of Notre Dame, 1961. Major
subject: English. Dissertation: John Gay's "Happy Vein": The Ambivalent
Point of View.

Peter Earle Butler, Mount Vernon, New York

B.S., Iona College, 1958. Major subject: Chemistry. Dissertation: The Prep-
aration of Reactions of Alpha Amino Ketones and Carbinols. A New Syn-
theses of Aziridines.

† Thomas Monterville Coffee, Forest Park, Georgia

A.B., St. Benedict's College (Kansas); 1952; M.A., Emory University, 1955.
Major subject: Sociology. Dissertation: An Empirical Study of Residential
Propinquity and Marital Selection: South Bend, Indiana, 1954-1958 Inclusive.

† Sister Mary Brigid Fitzpatrick, Sisters of St. Joseph of Carondelet,
Los Angeles, California

A.B., Mount St. Mary's College (California), 1947; M.S.W., The Catholic
University of America, 1949. Major subject: Sociology. Dissertation: The
Sister Social Worker: an Integration of Two Professional Roles.

† Degree Conferred February 1, 1962

Harold A. Foecke, Granger, Indiana

B.S.E.E., Iowa State College, 1945; M.S.E.E., *ibid.*, 1948. Major subject: Education. Dissertation: Views of Graduating Seniors of the Engineering Honor Society Tau Beta Pi Toward Engineering Teaching as a Career.

Brother Gerard Gardner, Brothers of the Christian Schools, Winona, Minnesota

B.S., Saint Mary's College (Minnesota) 1945; M.S., St. Louis University, 1952. Major subject: Physics. Dissertation: A Projection-Tube Study of the Dependence of Thermionic Emission upon Surface Structure and Crystallographic Direction for Single Crystals of Tungsten and Molybdenum.

Sister Mary McAuley Gillgannon, Religious Sisters of Mercy, Omaha, Nebraska

B.S., College of Saint Mary (Nebraska), 1951; M.A., Marquette University, 1958. Major subject: History. Dissertation: The Influence of the Sisters of Mercy on British Army Medical Reform through Their Role in Crimean War Nursing.

Robert E. Glennen, Junior, Billings, Montana

A.B., University of Portland, 1955; M.E., *ibid.*, 1957. Major subject: Education. Dissertation: Differential Perceptions of the Functions of University Guidance Services.

Charles Francis Godino, Brooklyn, New York

B.A., St. Peter's College, 1955; M.S., University of Notre Dame, 1958. Major subject: Mathematics. Dissertation: The Existence of Outer Automorphisms of Certain p-Groups.

† Sister Mary Adele Francis Gorman, Third Order of St. Francis, Glen Riddle, Pennsylvania

A.B., College of Notre Dame of Maryland, 1941; M.A., Villanova University, 1955. Major subject: History. Dissertation: Federation of Catholic Societies in the United States, 1870-1920.

† Joseph Martin Graham, Windsor, Ontario, Canada

B.A., University of Western Ontario, 1947; M.A., *ibid.*, 1952. Major subject: Philosophy. Dissertation: Secondary Causal Influx According to Saint Thomas Aquinas.

Reverend Xavier James Harris, Franciscan Fathers (Order of Friars Minor), Oakland, California

A.B., San Luis Rey Seminary, 1945; M.A., *ibid.*, 1949; M.A., University of San Francisco, 1954. Major subject: Education. Dissertation: The Development of the Theory of Religious Instruction in American Catholic Secondary Schools after 1920.

James Beyer Heneghan, South Bend, Indiana

B.S., University of Notre Dame, 1957. Major subject: Biology. Dissertation: Effects of the Microbial Flora on Intestinal Transport.

† Klaus Hoechsmann, Vancouver, Canada

B.A., University of British Columbia, 1957; M.A., McGill University, 1958. Major subject: Mathematics. Dissertation: Simple Algebras and Derivations.

Clyde Harris Hoffman, South Bend, Indiana

B.S.E.E., University of North Dakota, 1950; M.S.E.E., University of Notre Dame, 1952. Major subject: Engineering Science. Dissertation: Effects of Human Operator Dynamics on Submarine Control Characteristics.

Sister M. Theresa Clare Hogan, Order of St. Francis, Glen Riddle, Pennsylvania

B.S., Villanova University, 1947; M.A., The Catholic University of America, 1955. Major subject: English. Dissertation: A Critical Study of the Middle English Lyrics of British Museum MS. Harley 2253.

† Charles Andrew Kelsey, Santa Fe, New Mexico

B.S., St. Edward's University, 1957. Major subject: Physics. Dissertation: Polarization of the Neutrons from the Be^9 (p,n) B^{10} Reaction.

- Don Akeru Kubose, Chicago, Illinois
B.S., University of Illinois, 1958. Major subject: Chemistry. Dissertation: Velocity Dependence of Ion-molecule Reaction Cross Sections by Mass Spectrometry.
- Marvin John LaHood, Auburn, New York
B.S., Boston College, 1954; M.A., University of Notre Dame, 1958. Major subject: English. Dissertation: A Study of the Major Themes in the Work of Conrad Richter, and His Place in the Tradition of the American Frontier Novel.
- Sister Mary Gerald Leahy, Sisters of St. Joseph of Carondelet, Los Angeles, California
A.B., The University of Southern California, 1945; M.S., The Catholic University of America, 1947. Major subject: Biology. Dissertation: Barriers to Hybridization between *Aedes aegypti* and *Aedes albopictus* (Diptera: Culicidae).
- Sister Mary Baylon Lenz, Sisters of St. Francis of the Holy Family, Dubuque, Iowa
B.A., Briar Cliff College, 1957; M.A., University of Notre Dame, 1959. Major subject: English. Dissertation: A Rhetorical Analysis of Cardinal Newman's *Apologia pro Vita Sua*.
- Joel R. Livingston, Junior, Westfield, New Jersey
B.S., University of Notre Dame, 1957; M.S., University of Michigan, 1959. Major subject: Chemistry. Dissertation: Some Reactions of Seven Member Sulfur Heterocycles.
- Reverend Thomas Francis Loughrey, Ardmore, Pennsylvania
B.A., St. Charles' Seminary (Pennsylvania), 1942; M.A., University of Notre Dame, 1954. Major subject: English. Dissertation: Values and Love in the Fiction of William Faulkner.
- Joseph Alexander Martellaro, South Bend, Indiana
B.A., University of Notre Dame, 1956; M.A., *ibid.*, 1958. Major subject: Economics. Dissertation: The Effects of the Post War Economic Development Program in Southern Italy, 1950-1960.
- Robert Francis O'Connell, Athlone, Ireland
B.Sc., University College, Galway, Ireland, 1953. Major subject: Physics. Dissertation: Coulomb Field Effects on Muon Decay and on K Shell Internal Conversion Coefficients at Threshold.
- Sister Mary Christopher O'Rourke, Religious Sisters of Mercy, Newport, Rhode Island
B.A., Brown University, 1940; M.A., University of Notre Dame, 1955. Major subject: Sociology. Dissertation: The Impact of the Educational Environment Upon the Development of a Professional Self-Image.
- Clyde Victor Pax, Worcester, Massachusetts
B.A., University of Notre Dame, 1951; A.M., St. Louis University, 1956. Major subject: Philosophy. Dissertation: The Approach to God in the Thought of Gabriel Marcel.
- Louis Anthony Pilato, Rochester, New York
B.S., St. John Fisher College, 1956. Major subject: Chemistry. Dissertation: The Reduction of Hemithioketals and Hemithioacetals with Lithium Aluminum Hydride-Aluminum Chloride.
- Leonard Price, New Orleans, Louisiana
B.S., Xavier University (Louisiana), 1957. Major subject: Chemistry. Dissertation: The Oxidative Coupling and Cross-Coupling of Acetylenic Amines and Acetylenic Carbinols.
- † K.V.S. Rama Rao, Rajahmundry, India
B.Sc., Andhra University, 1953; M.Sc., *ibid.*, 1954. Major subject: Chemistry. Dissertation: A Study of the Effect of Additives on the Radiolysis of Liquid Neopentane.

Reverend Michael Terrance Ryan, London, Ontario, Canada
B.A., University of Western Ontario, 1946; M.A., University of Notre Dame, 1960. Major subject: Philosophy. Dissertation: The Notion and Uses of Dialectic in St. Thomas Aquinas.

Sudarshan Kumar Sehgal, Hoshiarpur, India
B.A., Panjab University, 1954; M.A., *ibid.*, 1956. Major subject: Mathematics. Dissertation: On Structure and Representations of Ringoids.

Brother G. Nicholas Sullivan, Brothers of the Christian Schools, Germantown, Pennsylvania
B.A., The Catholic University of America, 1950; M.S., University of Pittsburgh, 1954. Major subject: Biology. Dissertation: Observations on the Population Dynamics of a Cavernicolous Ecosystem.

† John P. Susko, Erie, Pennsylvania
B.S., University of Pittsburgh, 1932; M.A., *ibid.*, 1933. Major subject: Economics. Dissertation: An Analysis of the Impact on Prices of the Escalator Clause In Collective Bargaining Agreements.

† Sylvester P. Theisen, St. Joseph, Minnesota
B.A., St. John's University (Minnesota), 1947; M.S.E., University of Notre Dame, 1949; M.A., *ibid.*, 1951. Major subject: Sociology. Dissertation: A Social Survey of Aged Catholics in the Deanery of Fort Wayne, Indiana.

† Charles Joseph Tull, Runnemede, New Jersey
B.S., The Creighton University, 1955; M.A., University of Notre Dame, 1957. Major subject: History. Dissertation: Father Coughlin, The New Deal, and the Election of 1936.

William Anthony Wehmeyer, Ticonderoga, New York
A.B., Hamilton College, 1952; M.A., The Catholic University of America, 1954. Major subject: English. Dissertation: The European Novels of James Fenimore Cooper: A Critical Study.

Juan Yguerabide, Laredo, Texas
B.S., St. Mary's University of San Antonio, 1957. Major subject: Chemistry. Dissertation: Luminescence Decay Times: Concentration Effects and Energy Transfer.

The Degree of Master of Arts on:

A. A. Aguirre, Mishawaka, Indiana
B.S., Ferris Institute, 1942. Major subject: Education.

James Dana Alexander, Glen Cove, New York
B.A., Brooklyn College, 1960. Major subject: English.

Reverend Nicholas R. Ayo, Congregation of Holy Cross, Notre Dame, Indiana
B.A., University of Notre Dame, 1956; S.T.L., Gregorian University (Rome), 1960. Major subject: English. Dissertation: A Study of Brownson's *Boston Quarterly Review*.

† Paul A. Barela, Albuquerque, New Mexico
B.B.A., University of Notre Dame, 1960. Major subject: Economics.

† Daniel Patrick Bergen, Albert Lea, Minnesota
B.A., University of Notre Dame, 1957. Major subject: Political Science.

Dennis Bonnette, Plymouth, Michigan
A.B., University of Detroit, 1960. Major subject: Philosophy.

John Kenneth Bourgon, Livonia, Michigan
B.A., University of Notre Dame, 1960. Major subject: Education.

Lawrence James Bradley, Albany, New York
B.A., St. Bernardine of Siena College, 1957; LL.B., University of Notre Dame, 1960. Major subject: History. Dissertation: Lord Charlemont: Irish Political Leader (1778-1783).

- Reverend Jerome Bernard Brooks, Congregation of the Passion,
Chicago, Illinois
Ordained, Louisville, Kentucky, 1960. Major subject: English.
- Frederick George Buechner, South Bend, Indiana
A.B., Indiana University, 1960. Major subject: Education.
- David Robert Carlin, Junior, Pawtucket, Rhode Island
A.B., Providence College, 1960. Major subject: Philosophy.
- † James Braerton Carroll, Grand Rapids, Michigan
B.A., University of Notre Dame, 1959. Major subject: English.
- Mother Mary Peter Carthy, Ursulines of the Roman Union, New
Rochelle, New York
A.B., College of New Rochelle, 1933; M.A., The Catholic University of
America, 1948; Ph.D., *ibid.* 1959. Major subject: Theology.
- † William John Casey, Burlington, Vermont
A.B., St. Michael's College (Vermont), 1959; Major subject: English. Disserta-
tion: Social and Political Criticisms in the Writings of James Fenimore Cooper.
- Reverend Thomas Edward Chambers, Congregation of Holy Cross,
Notre Dame, Indiana
A.B., University of Notre Dame, 1957. Major subject: Education.
- Reverend J. Bernard Clark, Congregation of Holy Cross, Notre Dame,
Indiana
B.A., University of Notre Dame, 1955; S.T.B., Université Catholique de
l'Ouest, 1957; S.T.L., The Angelicum, 1959. Major subject: History. Disser-
tation: Walter Hussey Burgh and the Crisis in Anglo-Irish Politics: 1778-
1782.
- Miklos Csaky, Vienna, Austria
Hochschule für Welthandel, 1958-1961. Major subject: Economics.
- Walter Frederick Daly, Junior, White Plains, New York
B.A., University of Notre Dame, 1960. Major subject: Sociology (Correc-
tional Administration).
- James Wilson Douglass, Seattle, Washington
B.A., University of Santa Clara, 1960. Major subject: Theology.
- James Max Fendrich, Seattle, Washington
B.A., Seattle University, 1960. Major subject: Sociology.
- Robert Wayne Gambill, Independence, Kansas
B.S., Utah State University, 1950. Major subject: Sociology (Correctional
Administration).
- † Thomas Eugene Garrah, Trucksville, Pennsylvania
A.B., King's College (Pennsylvania), 1960. Major subject: English.
- Martin Michael Gildea, Mt. Carmel, Pennsylvania
B.A., St. Vincent College, 1960. Major subject: Political Science.
- Mother Marie De Montfort Haglich, Religious of the Sacred Heart
of Mary, Tarrytown, New York
B.A., Marymount College (New York), 1953. Major subject: Art.
- Sister Mary Pierre Hebert, School Sisters of Notre Dame, Mequon,
Wisconsin
B.A., Mount Mary College, 1943. Major subject: Education.
- Mrs. Corrine Patricia Henry, South Bend, Indiana
B.M.E., Northwestern University, 1950. Major subject: Education.
- Sister Mary Magdalen Herman, Sisters of Loretto at the Foot of the
Cross, Louisville, Kentucky
A.B., Webster College, 1947. Major subject: Modern Languages (French).

- Mrs. Clarice Olson Isenbarger, South Bend, Indiana
B.S., Ball State Teachers College, 1939. Major subject: Education.
- Mrs. Evelyn Rarick Isenbarger, South Bend, Indiana
B.A., Manchester College, 1941. Major subject: English.
- Sister St. Paul Janisse, Ursuline Religious of the Chatham Union,
London, Ontario, Canada
B.A., The University of Western Ontario, 1957. Major subject: History.
- William Johnson, Toledo, Ohio
A.B., Talladega College, 1948. Major subject: Sociology (Correctional Administration).
- Robert E. Jones, St. Louis, Missouri
B.S., St. Louis University, 1960. Major subject: Political Science.
- Sister M. Raphael Joseph, Order of St. Benedict, Panamá, Republic
of Panamá
B.S., St. Benedict Normal, 1956. Major subject: English.
- Michael J. Keenan, Los Angeles, California
B.A., University of Notre Dame, 1960. Major subject: Sociology (Correctional Administration).
- Sister Mary Cleophas Kelly, Sisters of St. Joseph of Wichita, Wichita,
Kansas
B.S., St. Mary College (Kansas), 1952. Major subject: History. Dissertation: A History of Soule College of Dodge City, Kansas, 1887-1910, As An Example of Frontier Higher Education.
- Moacyr Laterza, Belo Horizonte, Brazil
B.Ph., Univ. Católica de Minas Gerais (Brazil), 1952; Lic.Ph., Univ. de Minas Gerais, 1954. Major subject: Philosophy.
- Reverend James Leah, Kokomo, Indiana
Ordained, Niagara, New York, 1952. Major subject: Education.
- Reverend Daniel Robert Leeuw, South Bend, Indiana
B.A., University of Dayton, 1953. Major subject: Education.
- Charles Francis Lennon, Joliet, Illinois
B.A., University of Notre Dame, 1961. Major subject: Education.
- Mrs. Alice K. Lesniewski, South Bend, Indiana
B.A., St. Mary's College (Indiana), 1948. Major subject: Education.
- Albert W. H. Lum, Honolulu, Hawaii
B.A., University of Notre Dame, 1957. Major subject: English.
- John Rogers Madden, La Grange, Illinois
B.A., University of Notre Dame, 1959. Major subject: Economics.
- Reverend William J. McHugh, Aurora, Illinois
B.A., St. Paul Seminary, 1955. Major subject: Education.
- Roger Clair McLain, Aloha, Oregon
B.A., University of Portland, 1959. Major subject: Sociology (Correctional Administration).
- Richard J. Meister, Gary, Indiana
B.A., St. Joseph's College (Indiana), 1960. Major subject: History. Dissertation: The Composition of Congress in the Constitutional Convention and the Ratification Controversy: 1787-1788.
- Reverend Richard von Phul Mouton, Lafayette, Louisiana
S.T.L., The Catholic University of America, 1955; S.T.D., Gregorian University, 1957. Major subject: Education.

† Reverend Roland Mullen, Order of Friars Minor Conventual,
Auburn, Indiana
Ordained, St. Paul, Minnesota, 1956. Major subject: Philosophy.

James P. Murphy, Calumet, Oklahoma
A.B., St. Benedict's College (Kansas), 1954. Major subject: History. Dissertation: The Appointment of the Judiciary as Argued in the Constitutional Convention and Selected State Conventions (1787-1788).

Miss Grace Therese Newrock, South Bend, Indiana
B.S., Saint Mary's College (Indiana), 1951. Major subject: Education.

Mrs. Lela Goshorn Niles, Elkhart, Indiana
B.S., Indiana State Teachers College, 1952. Major subject: Education.

John D. Nixon, Junior, Akron, Ohio
B.A., University of Akron, 1955. Major subject: Sociology (Correctional Administration).

John Brendan O'Connor, Dorchester, Massachusetts
B.A., Portia Law School and Calvin Coolidge College of Liberal Arts, 1959. Major subject: Sociology (Correctional Administration).

Reverend Adrian James Parcher, Order of St. Benedict, Olympia, Washington
B.A., St. Martin's College, 1955; B.Ed., Seattle University, 1957. Major subject: English.

Mrs. Norma Helene Phenegar, Mishawaka, Indiana
B.S.H.E., Purdue University, 1954. Major subject: Education.

Rudolph Bennie Pruden, Flushing, New York
B.A., University of Notre Dame, 1957. Major subject: Sociology (Correctional Administration).

John Laurence Rafuse, Milton, Massachusetts
B.A., Stonehill College, 1959. Major subject: History. Dissertation: Egypt in the British Parliament 1899-1914.

Anthony Sarlo, Waterbury, Connecticut
B.S.S., Fairfield University, 1960. Major subject: Philosophy.

Thomas Warren Scharle, Dubuque, Iowa
B.S., University of Notre Dame, 1960. Major subject: Philosophy. Dissertation: A Diagram of the Functors of the Two-Valued Propositional Calculus.

Sister Mary Josetta Schoenle, Poor Sisters of St. Francis Seraph of the Perpetual Adoration, Mishawaka, Indiana
B.S., Indiana State Teachers College, 1941. Major subject: Education.

Robert R. Smith, Milton, Massachusetts
B.A., Suffolk University, 1960. Major subject: Sociology (Correctional Administration).

† Reverend Franklin R. Tasker, Order of Carmelites, Houston, Texas
B.A., St. Bonaventure University, 1955. Major subject: Sociology.

Richard Joseph Tirman, Elkhart, Indiana
B.S., University of Notre Dame, 1960. Major subject: Education.

Sister Colette Toler, Sisters of Charity, Greensburg, Pennsylvania
B.M., Seton Hill College, 1957. Major subject: English.

Richard Collins Toole, Bloomfield, New Jersey
B.A., University of Notre Dame, 1958. Major subject: Economics.

William Wylie Tomes, Junior, Evanston, Illinois
B.A., University of Notre Dame, 1959. Major subject: Education.

Harold Joseph Trapp, Junior, Sycamore, Illinois
B.S., University of Notre Dame, 1958. Major subject: Education.

Thaddeus Joseph Trenn, Elmhurst, Illinois
B.A., St. Mary's College (Minnesota), 1959; M.S., University of Notre Dame,
1961. Major subject: Philosophy.

William John Ziegler, Junior, Kansas City, Missouri
A.B., Rockhurst College, 1960. Major subject: Philosophy.

The Degree of Master of Fine Arts on:

Robert James McCormick, Middletown, New York
B.F.A., Cornell University, 1958.

Richard Charles Scherpereel, South Bend, Indiana
B.F.A., University of Notre Dame, 1955; M.Ed., McMurtry College, 1959.

Anthony John Sorce, Chicago, Illinois
B.F.A., University of Notre Dame, 1961.

Kenneth Walter Walpuck, Tarrytown, New York
B.F.A., University of Notre Dame, 1960.

The Degree of Master of Music on:

Sister M. Benedicta Berendes, Sisters, Servants of the Immaculate
Heart of Mary, Scranton, Pennsylvania
B.M., Marywood College, 1955. Dissertation: A Transcription and Analysis
of the Masses of Cadeac.

The Degree of Master of Music Education on:

Sister Mary Bernardine Fabiszak, Felician Sister, Livonia, Michigan
A.B., Madonna College, 1956.

The Degree of Master of Science on:

Ernest Solomon Alvarez, Las Cruces, New Mexico
B.S., New Mexico State University of Agriculture, Engineering, and Science,
1959. Major subject: Physics.

† Leo John Bottari, Boston, Massachusetts
B.S., Stonehill College, 1959. Major subject: Biology.

Rex Patrick Brumbach, Junior, Walla Walla, Washington
B.S., University of Portland, 1958. Major subject: Physics.

Joseph A. Budek, Petoskey, Michigan
B.S., University of Notre Dame, 1960. Major subject: Biology.

† Edmund Joseph Conway, Riverdale, Maryland
B.S., University of Notre Dame, 1957. Major subject: Physics.

Mrs. Mary Lou Duff Derwent, South Bend, Indiana
B.A., Ladycliff College, 1958. Major subject: Mathematics.

Terrence Enroth Dooher, Denver, Colorado
B.S., Regis College, 1960. Major subject: Mathematics.

Frank Joseph Douglas, Long Island City, New York
B.S., Iona College, 1960. Major subject: Mathematics.

John Francis Flood, Philadelphia, Pennsylvania
B.A., LaSalle College, 1959. Major subject: Chemistry.

Robert J. Goulet, Boston, Massachusetts
B.S., Boston College, 1959. Major subject: Physics.

Allen M. Hermann, New Orleans, Louisiana
B.S., Loyola University (Louisiana), 1960. Major subject: Physics.

Richard T. Hurley, LaCrosse, Wisconsin
B.A., St. Mary's College (Minnesota), 1959. Major subject: Biology.

† Sister M. Consolata Kuhn, Sisters of St. Francis, Oldenburg,
Indiana
B.A., Marion College (Indiana), 1944. Major subject: Biology.

† Gerald Charles Martin, Junior, Paw Paw, Michigan
B.S., Western Michigan College, 1959. Major subject: Chemistry.

- James Martin Matthews, Hawthorne, New Jersey
B.A., St. Peter's College, 1959. Major subject: Mathematics.
- Douglas Kenneth McCulloh, Baltimore, Maryland
B.S., Loyola College (Maryland), 1960. Major subject: Physics.
- John Francis McCue, Portsmouth, New Hampshire
B.S., St. John's University, 1960. Major subject: Biology.
- Herbert Robert Moeller, East Norwalk, Connecticut
B.S., University of Notre Dame, 1960. Major subject: Physics.
- † Sister Helen Josephine Pfister, Sisters of Providence, St. Mary-of-the-Woods, Indiana
A.B., St. Mary-of-the-Woods College, 1953. Major subject: Biology.
- David Anthony Richards, Depew, New York
B.S., Canisius College, 1960. Major subject: Physics.
- † Lawrence Chung Lee Su, Hong Kong
A.B., Hope College, 1959. Major subject: Physics.
- † George Albert Uritis, Shenandoah, Pennsylvania
B.S., University of Notre Dame, 1960. Major subject: Biology.
- Sister Catherine Mary Wodetzki, Congregation of the Sisters of the Holy Cross, Notre Dame, Indiana
B.S., St. Mary's College (Indiana), 1959. Major subject: Chemistry.
- Edward Richard Zamecki, Baltimore, Maryland
B.S., Loyola College (Maryland), 1959. Major subject: Physics.

The Degree of Master of Science in Aeronautical Engineering on:

- John Philip Hopkins, Endicott, New York
B.S.A.E., University of Notre Dame, 1960. Dissertation: An Investigation of Wind Tunnel Turbulence.
- Robert Voorhees Johnson, Junior, Atlanta, Georgia
B.S.A.E., University of Notre Dame, 1960. Dissertation: The Effect of Sound on the Laminar Boundary Layer.
- Dennis Joseph McGovern, Washington, D.C.
B.S.A.E., University of Notre Dame, 1960. Dissertation: Shear Stress Solutions of Axially Loaded Multistringer Panels with Shear Deformation of the Flanges.
- Brian Quinn, Setauket, Long Island, New York
B.S.A.E., University of Notre Dame, 1959. Dissertation: Aeroacoustic Phenomena.

The Degree of Master of Science in Chemical Engineering on:

- Nelson Romero Contente, Mexico City, Mexico
Ingeniero Químico, Universidad Nacional Autónoma de México, 1959. Dissertation: The Determination of the Gas Phase Molecular Diffusion of n-Hexane and 3-Methylpentane Through Methane.
- Jess William Thomas, St. Joseph, Michigan
B.S., Carnegie Institute of Technology, 1939. Dissertation: Mass Transfer and Pressure Drop in Thin Carbon Beds.

The Degree of Master of Science in Civil Engineering on:

- Warren Joseph Baker, Westminister, Massachusetts
B.S.C.E., University of Notre Dame, 1960. Dissertation: Effects of Soil Properties on Explosion Crater Characteristics.

Constancio X. C. F. Miranda, Taleigao-Goa-India

B.E. (Civil), University of Bombay, 1949. Dissertation: Preflexing with High Strength Steels and Heat Treated Construction Alloy Steels.

Abel Acacio Valente, New Bedford, Massachusetts

B.S., University of Vermont, 1928.

(Rodney) Man Kit Wong, Hong Kong

B.S. (Civil E.), Hong Kong Baptist College, 1960. Dissertation: Digital Computer Solution For Consolidation of Soil Under Structure Loads.

The Degree of Master of Science in Electrical Engineering on:

Joseph J. Bartlett, Junior, Cincinnati, Ohio

B.S.E.E., University of Notre Dame, 1961.

† Jaime Calle, Bogotá, Colombia, South America

B.S.E.E., University of Notre Dame, 1960.

Joseph Michael Camarata, Gary, Indiana

B.S.E.E., Valparaiso University, 1960.

† Richard Timon Daly, Junior, St. Louis, Missouri

B.S.E.E., St. Louis University, 1960.

† Xavier A. DeAngelis, South Bend, Indiana

B.S.E.E., University of Notre Dame, 1960.

† Kenneth Anthony Filetti, South Bend, Indiana

B.S.E.E., Fournier Institute of Technology, 1954.

† Robert K. Fulton, Winston-Salem, North Carolina

B.S.E.S., University of Notre Dame, 1960.

Demos Peter Gelopulos, Valparaiso, Indiana

B.S.E.E., Valparaiso University, 1960.

William P. Hilpisch, South Bend, Indiana

B.E.E., University of Minnesota, 1959.

Ronald J. Mitchell, Hebron, Indiana

B.S.E.E., Valparaiso University, 1960.

William Monzel, Mishawaka, Indiana

B.S.E.E., Rose Polytechnic Institute, 1948.

Thomas R. Pozsgay, Mishawaka, Indiana

B.S.E.E., St. Louis University, 1959.

Richard Bernard Paul Smith, Chicago, Illinois

B.S.E.E., University of Notre Dame, 1961.

Dominique Tronc, Oise, France

Diplome d'Ingénieur, Ecole Supérieure d'Electricité (France), 1961. Dissertation: Theory and Operation of a Solid-State Converter as an AC Motor Drive.

† Arthur Linton Valdez, San Pedro, California

B.S.E.E., University of Notre Dame, 1960.

Henry F. Williams, Sacramento, California

B.E.E., University of Santa Clara, 1957.

The Degree of Master of Science in Engineering Science on:

David Fred Roller, Lisle, Illinois

B.S.E.S., University of Notre Dame, 1960. Dissertation: A Study in Character Recognition.

Frederick James Sellers, Wellston, Ohio

B.A., University of Notre Dame, 1959; B.S.E.S., *ibid.*, 1960. Dissertation: Theory and Implementation of the Potential Analogy.

The Degree of Master of Science in Mechanical Engineering on:

Edward R. Basurto, Mexico City, Mexico

B.S.M.E., Christian Brothers College, 1959.

† Paul William Beiter, Lancaster, Ohio

B.S.M.E., University of Notre Dame, 1960.

- † Leo Andrew Dilling, Gary, Indiana
B.S.M.E., University of Notre Dame, 1960. Dissertation: A Study of the Effects of Changing Air Conditions on the Performance of a Finned Tube Cooling Coil For a Constant Air Velocity.
- Joseph W. Dorrycott, Junior, Washington, Pennsylvania
B.S.M.E., University of Notre Dame, 1960. Dissertation: An Improved Integral Solution to the Problem of Liquid Metal Heat Transfer.
- Donald R. Eckman, South Bend, Indiana
B.S.M.E., Purdue University, 1953.
- † James Gerard Griffin, Pittsburgh, Pennsylvania
B.A., University of Notre Dame, 1959; B.S.M.E., *ibid.*, 1960. Dissertation: Transient Heat Conduction in the Cylindrical Coordinate System By an Improved Integral Technique.
- † William E. Grunert, Lowville, New York
B.S.M.E., University of Notre Dame, 1960. Dissertation: The Surface Tension of Liquids and Its Effect on Heat Transfer.
- † Robert Gordon Hatch, South Bend, Indiana
B.S.Ch.E., University of Michigan, 1948.
- † Gary Joseph Hordemann, Spokane, Washington
B.S.M.E., Gonzaga University, 1960. Dissertation: A Study of the Feasibility and Design of a Shock Tube Suitable for Plasma Studies.
- † William Ward Howard, La Jolla, California
B.S.M.E., University of Notre Dame, Indiana, 1960.
- George Nicholas Lauri, Bronx, New York
B.S.M.E., University of Notre Dame, 1961.
- † Thomas Joseph McCarey, Short Hills, New Jersey
B.S.M.E., University of Notre Dame, 1960. Dissertation: A Study of Finned Tube Heat Exchangers Operating With 0°F Entering Air Condition.
- † Frank James Ponzio, Junior, New Providence, New Jersey
B.S.M.E., University of Notre Dame, 1960. Dissertation: Two Phase Flow in Ducts.
- † Ayyagari Venkatachalapati Rao, Bombay, India
B.S. (Mech.) Victoria Jubilee Technical Institute, Bombay, India, 1959.
- † Dee C. Stevenson, Wichita, Kansas
B.S.M.E., University of Notre Dame, 1960. Dissertation: Heat Transfer Appraisal of Compact Finned Tube Exchanger at Low Temperatures.
- † James Bragdon Wulf, Rock Island, Illinois
B.S.M.E., University of Notre Dame, 1960. Dissertation: An Analytic Mole Fraction Equation for Binary Real Gas Mixtures.
- The Degree of Master of Science in Metallurgical Engineering on:*
- † Donald R. Geis, Grosse Pointe Woods, Michigan
B.S.Metal.E., University of Notre Dame, 1960. Dissertation: Phase Relations of the Antimony-Indium-Lead System.
- Harbhajan Singh Nayar, New Delhi, India
B.M.E., Rensselaer Polytechnic Institute, 1959.
- † Richard L. Stegman, Arlington, Virginia
B.S.Metal.E., University of Notre Dame, 1960. Dissertation: The Ternary System- InSb-InTe-Sb.
- † Bhageshwar Swaroop, Lucknow, India
B.Sc., Lucknow University, 1958; B.E. (Metal.), Indian Institute of Science, Bangalore, 1960.
- † Jacques Tournon, Paris, France
Diplome d'Ingenieur, Ecole Centrale des Arts et Manufactures, Paris, France, 1960. Dissertation: Sintering of Gold and of Gold-Copper Alloy.

THE LAW SCHOOL

The Degree of Bachelor of Laws on:

- Joseph P. Albright, Parkersburg, West Virginia
B.B.A., University of Notre Dame, 1961
- Joseph Kevin Birmingham, Elmhurst, New York
A.B., St. Francis College, 1959
- Robert Michael Brady, Celina, Ohio
B.S.C., University of Notre Dame, 1960
- Gerald William Brann, Canton, Pennsylvania
A.B., University of Notre Dame, 1956
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- J. Patrick Cashin, Faribault, Minnesota
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- Jay Alan Charon, South Bend, Indiana
B.S., Indiana University, 1949
- Cornelius Francis Collins, Buffalo, New York
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- Michael Joseph Connor, Detroit, Michigan
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- Robert Winfred Cox, Elgin, Illinois
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- Theodore Andrew Fitzgerald, Hebron, Indiana
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- William Edward Kelly, Chicago, Illinois
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- Kevin More Lyons, New York, New York
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 B.S., U.S. Military Academy, 1946
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 A.B., University of Notre Dame, 1959
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 A.B., St. Benedict's College (Atchison), 1959
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 A.B., Gannon College, 1959
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 Richard Carl Wilbur, Otisville, New York
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THE COLLEGE OF ARTS AND LETTERS

The Degree of Bachelor of Arts on:

Milton Nicholas Adamson, C.S.C.,* Casper, Wyoming
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 Robert C. Antonelli, C.S.C.,* South Bend, Indiana
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 Russell Joseph Beaupre, Grosse Pointe, Michigan
 Clayton Joseph Beaver, Jr., Palm Springs, California
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* Cum Laude

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 Thomas J. Grace, Lathrup, Michigan
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 Richard Stanley Jalovec, Summit, Illinois
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 George Francis Jessop, New Rochelle, New York
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 † James Timothy O'Reilly, Newport, Rhode Island
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 William Louis Otten, Ferguson, Missouri
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 † Brian Crandle Regan, Joliet, Illinois

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 Michael Coleman Ritschel, Peoria, Illinois
 John Hall Roberg, Cedar Rapids, Iowa
 Robert Francis Rogers, Rockaway Beach, New York
 John David Root, Michigan City, Indiana
 Peter R. Rosi, Chicago, Illinois
 Norbert Wayne Roy, Baton Rouge, Louisiana
 Barry William Ryan, Meriden, Connecticut
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 William Merrill Snyder, Jr., Hinsdale, Illinois
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 Frederick Neil Springsteel,* Kirkland, Washington
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 William Robert Stackpoole, Detroit, Michigan
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 Harold Joseph Stearns, Harlowton, Montana
 Lawrence Wayne Stock, Niles, Michigan
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 William John Sullivan, Royal Oak, Michigan
 John Francis Swanson, Rockford, Illinois
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Robert Paul Bartholomew, South Bend, Indiana
 John Dennison Butler, South Bend, Indiana
 Jose Maria Del Valle, Hato Rey, Puerto Rico
 † Ernest Leslie Graubner, Arlington, Virginia
 Thomas Louis Hansen, Chicago, Illinois
 Paul Jerome McKenna, Jr., South Bend, Indiana
 Stephen Hannon Podlas, Bradford, Pennsylvania
 John Burton Rosheck, South Bend, Indiana
 Patrick Joseph Saxe, Elmira, New York
 Daniel Frank Zavada, Pittsburgh, Pennsylvania

The Degree of Bachelor of Music Education on:

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Brian Anthony Cosacchi, Harrison, New York
Varnum William Harris, Jr., Newport, New York
Michael Quinn Hennessey, Elgin, Illinois
William John Schuster, Dallas, Texas

The Degree of Bachelor of Science in Physical Education on:

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Victor Grabowski, Pittsburgh, Pennsylvania
Harold James Krauser, Chillicothe, Ohio
Alexander Joseph Kristine, Gary, Indiana
Martin Daniel McDermott, Nanty Glo, Pennsylvania
Theodore Anthony Romanowski, Albany, New York
Clay Isidor Schulz, Schofield, Wisconsin
George Paul Sefcik, Cleveland, Ohio

THE COLLEGE OF SCIENCE

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† William Doyle Budinger, Northfield, Illinois
Paul Charles Carpenter, Marshalltown, Iowa
Robert William Cihak,* San Diego, California
Stephen Earl Collier, Southfield, Michigan
Frank R. Courreges, Shreveport, Louisiana
John Charles Dailey, Carrollton, Illinois
James Anthony Daniel, Minneapolis, Minnesota
Michael Edward Daugherty, Anchorage, Kentucky
John Joseph Deihl, Jacksonville, Florida
Stanley Lawrence Demski, Jr., Lyons, Illinois
Theodore Walter Ek, Issaquah, Washington
Thomas Francis Farley, III, Jamestown, New York
Darryl Robert Francis, II, St. Louis, Missouri
James Allen Furstoss, Peoria, Illinois
Richard Marion Garlitz, Cumberland, Maryland
Thomas Clement Gettelfinger,* Louisville, Kentucky
Ivan Albin Gradisar, Barberton, Ohio
Roland James Graydon, II, Gloversville, New York
Michael Guarnieri, Warren, Ohio
James Clifford Haight, Cleveland, Ohio
Vincent Joseph Hatt,* Marion, Iowa
David Christian Hemmy, Juneau, Wisconsin
John Louis Horvath, Jr., South Bend, Indiana
Harold Blanc Howell, Fort Smith, Arkansas
James Patrick Hughes, Tulsa, Oklahoma
Ronald Joseph Ignelzi, Olympia Field, Illinois
James Michael Jasper, Trussville, Alabama
Albert Louis Kerns,* Memphis, Tennessee
Michael Edward Kerr, Swarthmore, Pennsylvania
William Joseph Klein, Philadelphia, Pennsylvania
Gerald Michael Kohn, Decatur, Indiana

Jerome Richard Kulesia, South Bend, Indiana
 Paul Henri Lamboley, Monroe, Wisconsin
 Dominic Richard Libro, Gloucester, Massachusetts
 James Madison Lowe, II, South Bend, Indiana
 Albert Anthony Maniscalco, Staten Island, New York
 Anthony Francis Marra, Brooklyn, New York
 Paul Thomas McGarvey, Waterloo, Iowa
 James Micheal Mohs, Webster, South Dakota
 Peter Lorenz Morris, Charlotte, North Carolina
 Robert Kent O'Leary, Brooklyn, New York
 Harold Joseph Orthmeyer, Jr., Washington Court House, Ohio
 Michael Edward Poll, Jr., Carteret, New Jersey
 Louis Salvatore Ruvolo, North Plainfield, New Jersey
 Edgar Cunningham Savarese, Chappaqua, New York
 Bro. Neil Joseph Scalo, C.S.C., San Pedro, California
 Paul Frederick Schellhammer,** Larchmont, New York
 Thomas Peter Smith, Newton, Massachusetts
 John Franklin Stecker, Morgantown, West Virginia
 † James Akira Takeuchi, Los Angeles, California
 Theodore Kingsbury Teske,* Boise, Idaho
 Edmund Barry Tobin, Greenwich, Connecticut
 Francis Michael Wilbraham, Swedesboro, New Jersey
 † Anthony C. Williams, South Bend, Indiana
 Walter Diehl Willihnganz, Lafayette Hill, Pennsylvania
 Donald Wah Sun Yim, Kaneohe, Oahu, Hawaii
 Raymond Frederick Zickl, Staten Island, New York, New York

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 John Michael Brennan, Rensselaer, New York
 † Thomas Roman Gadacz, South Bend, Indiana
 Robert Walter Gwadz, Chicago, Illinois
 Thomas Cash Jorling, Cincinnati, Ohio
 Larry Lee Keeley, South Bend, Indiana
 James Donald Simon, Canton, Ohio

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 Michael Joseph Biallas,* Pontiac, Michigan
 Paul Jacques Clulo, Midland, Michigan
 Gregory Joseph Divis, St. Louis, Missouri
 George James Gauthier, Franklin, New Hampshire
 Michael Jay Grubber, Moundsville, West Virginia
 Peter Michael Guzy, Washington, Pennsylvania
 William Ernest Krueger, St. Louis, Missouri
 Charles Julian Lancelot,* New Rochelle, New York
 John Francis Lefelhocz, Fairport Harbor, Ohio
 Michael Bert Marchildon,*** West Frankfort, Illinois
 John Louis Miesel,* Erie, Pennsylvania
 Marvin Joseph Mohlenkamp, Jr., Louisville, Kentucky
 Raymond Kevin O'Hara,* Brooklyn, New York
 Daniel Roman Omilianowski, East Chicago, Indiana
 Norman Joseph Pinkowski, Bloomfield, New Jersey
 Michael Raymond Sandner, Caldwell, Kansas

Jerome Edward Schulz, Farmington, Minnesota
Michael Dennis Swords, St. Albans, West Virginia
Francesco Maria Vigo, Milan, Italy

The Degree of Bachelor of Science in Geology on:

Leonard Joseph Schmitt, Wauconda, Illinois
Robert Kenneth Wilson, South Bend, Indiana

The Degree of Bachelor of Science in Mathematics on:

Neal Edward Cline, Whittier, California
Paul Donis,* Indianapolis, Indiana
John Groves Heywood, Hudson, Wisconsin
John Peter Lang, St. Paul, Minnesota
Frank William Owens,** South Bend, Indiana
Ernest A. Thiel, Jr., La Grange Park, Illinois
Alfred Francis Vachris, Jr., Huntington, New York
Charles Shiu Chai Wong,* Hong Kong, B.C.C.

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Leonard Vincent DelVecchio,* Bridgeport, Connecticut
William Anthony Dodd, Baltimore, Maryland
Raymond Adrian Durand, Jr.,* Hammond, Indiana
John Patrick FitzGerald, Jr., Watertown, New York
Thomas Hanlon Fox, Jr., Birmingham, Alabama
John Frederick Goehl, Jr., Philadelphia, Pennsylvania
Robert Michael Hord, Dayton, Ohio
John William Humphrey, El Cajon, California
Anthony Kalil Hyder, Jr., Montgomery, Alabama
Paul Vincent Hyer, Conshohocken, Pennsylvania
Michael Dominick Mancusi, Plainview, New York
John Terrence McGrath, Collingswood, New Jersey
William Preston Moran,** Tulsa, Oklahoma
Robert Edward Peters, Midland, Michigan
George Will Pfeifferberger, Lubbock, Texas
Paul Francis Slattery,** Hartford, Connecticut
† Paul Arthur Viebrock, Garden City, New York
George Thomas Wenning,* Cincinnati, Ohio

THE COLLEGE OF ENGINEERING

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† Leonard Charles Bettex, New York, New York
Robert John Bleeg, Newtown Sq., Pennsylvania
Willard Brand Bobosky, Downers Grove, Illinois
Jerome Thomas Bolduc, Phoenix, Arizona
† James Clayton Collins, San Diego, California
Timothy Joseph Dunn, Haworth, New Jersey
Raymond Frederick Jansen, Brooklyn, New York
Peter Michael Kachmar,* Yonkers, New York
Dennis Patrick Madden, White Plains, New York
Daniel Leo McGinnis, Niles, Michigan
Lawrence Walter McGraw, Denver, Colorado
John Joseph McGuire, South Orange, New Jersey
Patrick John McMahon, Redwood City, California
Vincent Peter Micucci, Jamaica, New York
Robert P. Phelan, Washington, District of Columbia
Gregory Martin Risch, East Orange, New Jersey
Paul Joseph Sanner, New York City, New York
Robert William Schlundt,* Sheboygan, Wisconsin
John Michael Schnaubelt, La Grange Pk., Illinois
Eli John Soldo, Reno, Nevada
Albert Henry Sonntag, Jr., Affton, Missouri
John Henry Steffens, Cherry Hill, New Jersey
Dennis Joseph Strojny, Yonkers, New York
Charles McCormick Switzer, Jr., Denver, Colorado
Jack VanNess Werner, Southampton, New York
John Nicholas Wilkinson, Pittsburgh, Pennsylvania

The Degree of Bachelor of Architecture on:

Charles C. Boldrick, Lebanon, Kentucky
Robert Host Canizaro, Jackson, Mississippi
James Patrick Cassidy,* Larchmont, New York
John Arnold Castin, Okmulgee, Oklahoma
† Edward J. Duffy, Northport, New York
James Richard Dunne, Bay Shore, New York
† John Alfred Earthman, Houston, Texas
Joseph Paul Giattina, Jr., Birmingham, Alabama
† Werner Herman Graf, Michigan City, Indiana
Theodore Paul Maniatis, Chicago, Illinois
Anthony Michael Mileto, Baltimore, Maryland
Paul Michael Murphy, Wilmette, Illinois
Bernard Francis Rauch, Fort Wayne, Indiana
Thomas Edward Regan, Jr., Oil City, Pennsylvania
David Michael Trigiani, Bangor, Pennsylvania

The Degree of Bachelor of Science in Chemical Engineering on:

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Erich Edwin Bredl, Indianapolis, Indiana
Roger Allen Brekken, Crookston, Minnesota
Richard Timothy Creedon, Staten Island, New York

† Raymond Joseph Curtin, Chicago, Illinois
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 John Patrick DeWerth, Menomonee Falls, Wisconsin
 David James Edwards, Gas City, Indiana
 Paul Arnold Erzer, Erie, Pennsylvania
 John Henry Goodman III, Washington, District of Columbia
 Richard Kenneth Green, Auburn, New York
 Francis Vern Hanson, Fostoria, Ohio
 Mark Albert Harter, Peoria, Illinois
 Walter George Hill, Dearborn, Michigan
 William Franklin Huber, Jr., Hamilton, Ohio
 Robert Charles Isaacs, St. Louis, Missouri
 Michael Patrick Joyce, Forty Fort, Pennsylvania
 Michael John Loparco, Greenwich, Connecticut
 Thomas Peter McCarthy, White Plains, New York
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 Patrick Hugh Monahan, Arcola, Illinois
 James Robert Murphy, Saint Louis, Missouri
 Michael Anthony Musiano, Hammonton, New Jersey
 Charles Leo Persyn, Concord, California
 Paul Joseph Petitclair, Waukegan, Illinois
 James Joseph Pottmyer, Oklahoma City, Oklahoma
 Edward Joseph Steck, Paducah, Kentucky
 Jasper Samuel Titone, Shreveport, Louisiana
 Michael Joseph Wallace, Clifton, New Jersey

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 John Clarence Bruch, Jr., Kenosha, Wisconsin
 Frank Christopher, Elmhurst, Illinois
 James Gregory Collins, LaPorte, Indiana
 Francisco T. Del Valle,* Hato Rey, Puerto Rico
 Vincent Paul Drnevich, East McKeesport, Pennsylvania
 James William Fallon, Jr., Milwaukee, Wisconsin
 Thomas Patrick Glavin, Scottsville, New York
 Thomas Joseph Gross,* Elkhart, Indiana
 John Joseph Guzzo, Columbus, Ohio
 John Richard Harty, Fall River, Massachusetts
 Carl Phillip Houck,** Denver, Colorado
 Theodore Richard Kretschmer, Chicago, Illinois
 † Cosmo Lawrence Laurello, Ashtabula, Ohio
 † Gerald Edwin Lindgren, Libertyville, Illinois
 William Edward Long, Akron, Ohio
 Peter Michael Maloney, Pittsfield, Massachusetts
 Henry Lee Merry, Minneapolis, Minnesota
 John Gerard Neidhart, Amityville, New York
 † James Wesley Newmyer, Jr., Birmingham, Michigan
 Daniel Patrick O'Connor, Hazleton, Pennsylvania
 Paul James Quinn, New York, New York
 † Cicerón Enrique Robles, Barrarquilla, Colombia
 Richard Lee Sauer, Chester, Illinois
 John Anthony Shanahan, White Plains, New York

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Thomas Edward Siegel, Clarion, Pennsylvania
Lee C. Taddonio, Pittsburgh, Pennsylvania
John Frederick Tidgewell, III, Orange, California
Julio Emilio Valera, New York, New York
Thomas Albert Whalen, White Plains, New York

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William Benedict Brzezinski, Dearborn, Michigan
James Arthur Burkhart, Lancaster, New York
Paul Edward Couture, Kenmore, New York
Peter Harry Dierks, Prairie Village, Kansas
John Joseph Doherty, New York, New York
John Vincent Donlon, Jr., Farmingdale, New York
Owen Edward Doyle, Philadelphia, Pennsylvania
William Douglas Drane,** Jackson, Mississippi
August Frederick Fath,* Kalamazoo, Michigan
George Edward Hauck, Tarrytown, New York
Robert Leon Hutchins, San Angelo, Texas
Kenneth Edward Jannot, Meadville, Pennsylvania
William Andrew Keenan,** Wayne, New Jersey
Kenneth James Kelly, New York, New York
John Joseph Lombardi, Jr., Roslyn, New York
Paul Michael Margosian,** San Diego, California
Eugene Anthony McKale, Cleveland, Ohio
John William Montgomery, Baltimore, Maryland
Charles Michael Morris, De Pere, Wisconsin
Roger Mitchell Nasser, Shreveport, Louisiana
† William Dennis O'Neill,* Matteson, Illinois
Richard James Osterman, Hawthorne, New Jersey
Harold William Schaeffen,*** Memphis, Tennessee
† James E. Robert Sheeler, Jr., Abilene, Texas
Richard Joseph Skrypkun, Evergreen Park, Illinois
John Joseph Slattery, Jr., Baltimore, Maryland
Raymond Theodore Stefani, Jr., Detroit, Michigan
Robert Joseph Stubin, Jersey City, New Jersey
Daniel David Sullivan, Auburn, Maine
Robert L. Szczerba, Colorado Springs, Colorado
Paul Voros,* Montreal, Quebec, Canada
Richard Francis Waco, Elmwood Park, Illinois
† James Lyman Wareham, Clinton, Iowa
Charles Rashed Wasaff, El Paso, Texas
Edward Francis Westhoven, Paterson, New Jersey

The Degree of Bachelor of Science in Engineering Science on:

John William Chestnut,* Chicago Heights, Illinois
Francis Howard Morrell, Richmond, Virginia
Cornelius James Nolan, Toledo, Ohio
Robert Anthony Walker, White Plains, New York

The Degree of Bachelor of Science in Mechanical Engineering:

Hosea Martin Alexander, Los Angeles, California
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John Joseph Baldo, Ho-Ho-Kus, New Jersey
Paul Lawrence Belliveau, Kankakee, Illinois
Joseph S. Bendick, Kingston, Pennsylvania
John Patrick Booker, New Orleans, Louisiana
James Phillip Breen, Jackson, Tennessee
Edward Dean Brown, Jr., Charlotte, North Carolina
† Edward Francis Bukowski, Buffalo, New York
Edward McKee Burns, Tafton, Pennsylvania
† Charles Compton Cayce, Jr., Charlotte North Carolina
† Terence Patrick Chou, Calcutta, West Bengal
John Lawrence Churnetski, Wilkes-Barre, Pennsylvania
† Eugene Joseph Ciesla, Cleveland, Ohio
James Joseph Clarke, Detroit, Michigan
Michael Joseph Clayton, Pittsburgh, Pennsylvania
Richard Keith Coffin, St. Louis, Missouri
† James Christopher Cogan, Newark, New Jersey
Luis Felipe Colón, Santurce, Puerto Rico
Dennis Edward Cooney, St. Louis, Missouri
Richard John Cramer,* Flint, Michigan
† Edward Patrick Daly, Chicago, Illinois
† George Keene Disco, Norwich, Connecticut
† Richard John Dunn, Cleveland, Ohio
Jim Leo Fischer,* Quincy, Illinois
† Timothy Pierre Flemming, Moline, Illinois
Sean Patrick Foohey, Penns Grove, New Jersey
Thomas James Freitas, Honolulu, Hawaii
John Jacob Froning, St. Marys, Ohio
† William Roger Gaynor, Chicago, Illinois
John William Goodwine, Hoopeston, Illinois
† Alexander F. Goot, Ipswich, Massachusetts
Michael Anthony Grolmes, Louisville, Kentucky
John Joseph Gutmiedl, Jr., Evanston, Illinois
Carl Michael Hall, Clarksburg, West Virginia
† Jeffrey Thomas Hamilton, St. Louis, Missouri
Michael David Hanley, Clarksburg, West Virginia
† Robert Patrick Harrill, Warren, Ohio
Robert Edward Henry, Bluffton, Indiana
Robert Henry Herrgott, Birmingham, Michigan
Albert Edward Highducheck, Waterbury, Connecticut
James Thomas Higney,** Brooklyn, New York
Joseph Edward Hilliard, Oak Park, Illinois
Joseph Lindsay Hoffman, Akron, Ohio
John Paul Hornak, Munhall, Pennsylvania
John David Hynes, Burlingame, California
† William Alan Johengen, Lockport, New York
Peter Joseph Kerney, Philadelphia, Pennsylvania
Robert Lawrence Kroha, Detroit, Michigan
Luis Antonio Llorens, Guayama, Puerto Rico
Richard William Lynch, Yonkers, New York
James Peter Martin, New Bethlehem, Pennsylvania

Thomas Mitchell McMurray, Peoria, Illinois
 Ronald Albert Micek, Chicago, Illinois
 John Richard Miller, Jr., Detroit, Michigan
 † Edwin Patrick Murray, Union City, New Jersey
 Gerard Kendric Nichols, Jamaica, New York
 Robert Alphonse Normant, Chicago, Illinois
 † Daniel William O'Donoghue, Washington, District of Columbia
 Daniel Joseph O'Loughlin, Southfield, Michigan
 Frank Louis Pellegrini, St. Louis, Missouri
 John William Philbin, Clinton, Massachusetts
 Thomas William Piantek, Chicago, Illinois
 Manuel Luis Porrata, Ponce, Puerto Rico
 Robert John Powrie, Detroit, Michigan
 John Aloysius Reidy, Jr., Greenville, Pennsylvania
 † Daryl Larry Reindl, Manly, Iowa
 Donald Davis Rigali, Oak Park, Illinois
 Louis David Rizk, Jacksonville, Florida
 Paul Newell Robb, Tulsa, Oklahoma
 Arnold Anthony Robba, Mineola, New York
 Stephen Miller Rossetti, Sheffield, Pennsylvania
 Ferdinand Joseph Ruebenacker, Rego Park, New York
 Henry August Scheyer, Jr., Ridgefield, New Jersey
 Clemens Edward Schmidt, Louisville, Kentucky
 Andrew Alex Schwab, Osage, Iowa
 Richard Lawrence Silvestrini, Marseilles, Illinois
 Edward Fredrick Spurl, III, Metairie, Louisiana
 Timothy Moore Taylor, Grosse Pointe, Michigan
 Robert Joseph Tigelman,* Akron, Ohio
 Ernest Ronald Venerus,* Woodridge, New Jersey
 † Leo J. Vetter, Jr., Schenectady, New York
 Craig Edmund Vollhaber, White Bear Lake, Minnesota
 † Henry Hewitt Voss, Homewood, Illinois
 Frank Joseph Wagner, Sturgis, Michigan
 Frank Joseph Welde, Philadelphia, Pennsylvania
 Richard Edmund Ziebol,** Freeport, Illinois

The Degree of Bachelor of Science in Metallurgical Engineering on:

Dominic Joseph Bologna, Grosse Pointe, Michigan
 Hugh Robert Gray, Wilmington, Delaware
 Robert Francis Krause, Pittsburgh, Pennsylvania
 † Gerald Thomas Looby, Canton, Ohio
 † James Francis Reilly, South Bend, Indiana
 Paul John Rettig, St. Louis, Missouri

THE COLLEGE OF BUSINESS ADMINISTRATION

The Degree of Bachelor of Business Administration on:

Theodore Anthony Allen, Palos Park, Illinois
 John Burke Arbino, Cincinnati, Ohio
 † Enos Ayers Axtell, Jr., Grandview, Missouri
 William Claude Ballard, Louisville, Kentucky
 † Kenneth Cyril Baumgartner, Houghton Lake, Michigan
 William Henry Beaver,** Hammond, Indiana
 Paul Blake Belden III, Canton, Ohio
 Carmen Paul Belefonte, Drexel Hill, Pennsylvania
 Pedro Beltran, Lima, Peru
 Joseph Michael Bentley, Warrenville, Illinois
 David Francis Bertrand, Cleveland, Ohio
 Robert Edmund Bill, Garden City, New York
 William Darcy Biser, Syracuse, New York
 Michael Joseph Bishko, Clifton, New Jersey
 James Hamilton Black, Jr., Chicago, Illinois
 † James Thomas Blair, Columbus, Ohio
 Michael Francis Boehm, South Bend, Indiana
 Russ Michael Bonacci, Price, Utah
 Thomas Joseph Bonofiglio, Kenosha, Wisconsin
 Ronald William Borkowski, South Bend, Indiana
 Lester Joseph Boudreaux, Jr., New Orleans, Louisiana
 David Anthony Bouton, Massapequa, Long Island, New York
 † David J. Boyd, Birmingham, Michigan
 John Monroe Bradley, San Diego, California
 † John Hassett Brady, Newton, Massachusetts
 Robert Denis Breen, La Grange, Illinois
 John Allen Brenzel, Louisville, Kentucky
 Donald Edward Brewer, Jr., Jacksonville, Florida
 Charles Rodger Brown, Oak Park, Illinois
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 Dennis Francis Buran, Piedmont, California
 Terence George Burke, Summit, New Jersey
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 Dennis Francis Butler, Rocky River, Ohio
 † Neil Thomas Butler, South Bend, Indiana
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 David Alan Calnon, Rochester, New York
 Brian Healy Canning, Tenaflly, New Jersey
 Frederick Carmen Cappetta, Chicago, Illinois
 Joseph Henry Carey, Jr., Detroit, Michigan
 Joseph Paul Carollo, Wyandotte, Michigan
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 John Henry Carraher, South Bend, Indiana
 Roger Marshall Carroll, Cicero, Illinois
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 † Thomas Brian Clarke, Arlington Heights, Illinois
 William Herbert Cleary, Danvers, Massachusetts

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 Peter Dominic Connolly, Chicago, Illinois
 Michael Francis Conway, Dearborn, Michigan
 Terence Patrick Corrigan, Balboa, Canal Zone, Panama
 James Henry Coyle, St. Louis, Missouri
 Edward Francis Culliton, South Bend, Indiana
 Samuel Joseph Cutrara, Chicago, Illinois
 Alexander Bernard Czachura, Posen, Illinois
 J. Randolph Davies,* Milwaukee, Wisconsin
 John Charles Dearie, Bronx, New York, New York
 James William De Bow, Pompton Lakes, New Jersey
 William Stephen Dec, Wilmette, Illinois
 Joseph Francis Deeb, Jr., Grand Rapids, Michigan
 Thomas Harold DeLay, Norfolk, Nebraska
 Raymond Vence De Luca, Pueblo, Colorado
 Edward James Den Dooven, Neenah, Wisconsin
 Maurice Jude DeWald, Fort Wayne, Indiana
 Michael Richard DeWald, Fort Wayne, Indiana
 Sam Joseph Dominick, Canton, Ohio
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 Richard Joseph Dyniewicz, Deerfield, Illinois
 Carl Finley Ebey, Detroit, Michigan
 John Peter Eck, Springfield, Illinois
 David Allen Eckrich, Fort Wayne, Indiana
 † Clement Morehead Evans, St. Louis, Missouri
 † Michael C. Farrar,** Waterbury, Connecticut
 † Paul Stephen Fath, Cincinnati, Ohio
 David John Faulkner, Pittsburgh, Pennsylvania
 Edward John Fillenwarth, Indianapolis, Indiana
 Charles John Finnegan, Vermilion, Ohio
 James Ward Finucane, Joliet, Illinois
 James Edward Fitch, Holland, Michigan
 Barry Joseph Fitzpatrick, Silver Spring, Maryland
 Michael Francis Fitzpatrick, Kalamazoo, Michigan
 William Flannery, Elmira, New York
 Walter Lee Fleming, III, Dallas, Texas
 William Chandler Ford, Benton Harbor, Michigan
 † Joseph Michael Fordney, Saginaw, Michigan
 † Richard Kenneth Fox, Dover, Delaware
 James Richard Freeman, Winamac, Indiana
 Michael George Furesz, Clifton, New Jersey
 Laurence Louis Gaggero, Woodcliff Lake, New Jersey
 Thomas Paul Galbraith, Alexandria, Virginia
 Robert Eugene Galdabini, Indianapolis, Indiana
 John Peter Gallagher, Freeland, Pennsylvania
 Joseph Ernest Gallo, Modesto, California
 John Richard Garofalo, Oak Park, Illinois
 James Arthur Gately, Chicago, Illinois

Richard George Gerbeth, South Bend, Indiana
 † Walter P. Giblin, Chicago, Illinois
 John Francis Gillard, Detroit, Michigan
 John Stephen Goetz, Shaker Heights, Ohio
 Thomas Lee Goodrich, Phoenix, Arizona
 John Douglas Govreau, Bonne Terre, Missouri
 Francis Charles Grau, Baltimore, Maryland
 Michael Henry Greeley, Bradenton, Florida
 John Bernard Green, Jr., Du Bois, Pennsylvania
 Bernard Joseph Groner, Jefferson City, Missouri
 † Robert Paul Gunn, Elberon, New Jersey
 William Harrington Hahn, Lakewood, Ohio
 Thomas Joseph Hanley, Livingston, New Jersey
 William O'Connor Harnisch, Poland, Ohio
 Michael James Hart, Toronto, Ontario, Canada
 Roger Kent Harvey, Latrobe, Pennsylvania
 Thomas Edward Hatch, Jr., Greenwich, Connecticut
 Dana Charles Hayes, Chicago, Illinois
 John Sargent Hayford, Milwaukee, Wisconsin
 Thomas Joseph Hecomovich, Bovey, Minnesota
 Albert Edward Heckin III, Cincinnati, Ohio
 Charles Theodore Heimerdinger, Monrovia, California
 Glenn Joseph Hendry, East St. Louis, Illinois
 Robert Karl Heye, Pittsfield, Massachusetts
 Thomas Newton Hibbs, St. Louis, Missouri
 Henry James Higgins, Springfield, Illinois
 Pierre Arthur Hirou, South Bend, Indiana
 Neil K. Hitz, Cleveland Hts., Ohio
 John Francis Hoff, Princeton, New Jersey
 Stephen Joseph Hogarty, Princeton, New Jersey
 George Henry Holley, Glenview, Illinois
 John Michael Hood, Algona, Iowa
 James Michael Hoover, Detroit, Michigan
 John Thomas Howley, Lake Worth, Florida
 John Edward Hurley, La Salle, Illinois
 Duane Neil Hutchins, Mishawaka, Indiana
 George Michael Kane, Lake Forest, Illinois
 Dennis Michael Keating, Chicago, Illinois
 John Biorn Keena II, Ft. Lauderdale, Florida
 Roger Eugene Kelling, Kanawha, Iowa
 Thomas Stephen Kelly, Lagrange, Illinois
 Walter Michael Kelly, Jr., Oak Park, Illinois
 Eugene Robert Kieffaber, Overland Park, Kansas
 Thomas Mullaney Kittredge, Philadelphia, Pennsylvania
 Charles Henry Knittle, Des Plaines, Illinois
 Paul Stanislaus Kochanowski, South Bend, Indiana
 Ronald William Koeppel, Phlox, Wisconsin
 Thomas Edward Kondor, South Bend, Indiana
 Garitt Anthony Kono, New York City, New York
 Robert Vincent Korycki, Timonium, Maryland
 John Gregory Kost,* Moorhead, Minnesota
 Martin Mitchell Kubiak, Chicago, Illinois
 John Charles Kuehne, New York City, New York
 Richard Michael Kulak, Peabody, Massachusetts
 Albert Thomas Kurker, Indianapolis, Indiana

Merwyn Anthony Kusnierek, South Bend, Indiana
 Paul Henry LaLiberte, Duluth, Minnesota
 Louie Albert Lange, Jr., Fond du Lac, Wisconsin
 Edward Eugene Larkin, Jr., Hamilton, Ohio
 Robert Andrew Latsko, Farrell, Pennsylvania
 Bruce Alban Lauer, Fort Wayne, Indiana
 Richard Francis Lewinski, South Bend, Indiana
 Thomas Francis Liggio, West New York, New Jersey
 Edward Francis Linden, Villa Park, Illinois
 Francis Albert H. S. Loo, Honolulu, Hawaii
 John Michael Lorden, Rockford, Illinois
 Thomas Michael Mack, Niles, Michigan
 John Thomas Madigan, Hometown, Illinois
 Michael Angelo Magnotta, Albion, Michigan
 Michael William Mahaney, Atherton, California
 Donald Joseph Maicher, Whiting, Indiana
 Patrick Shea Maloney, Louisville, Kentucky
 George Charles Mammola, Garfield, New Jersey
 Robert Peter Marhofer, Glenview, Illinois
 Deno Riccardo Marino, Vineland, New Jersey
 Jacques Leonard Martin, Libertyville, Illinois
 Edward Daniel McCarron, Jr., Havertown, Pennsylvania
 Richard Patrick McCormick, Chester, New York
 Michael Joseph McDonald, Bellefontaine, Ohio
 Terrence Joseph McGlinn, Reading, Pennsylvania
 Dennis John McLaughlin, Manhasset, New York
 † Roger Patrick McMahan, Douglaston, New York
 John Thomas McManus, Lunenburg, Massachusetts
 John Patrick McQuillan, Munster, Indiana
 John Alfred McReynolds, Jr., Knoxville, Tennessee
 Richard Charles Meece, Ft. Lauderdale, Florida
 Paul Leonard Mennucci, South Bend, Indiana
 Patrick Joseph Mettler, Huntington, Indiana
 William Ted Middendorf, Quincy, Illinois
 Thomas Edward Miller, Whitefish Bay, Wisconsin
 † Robert Emmet Minahan, Jr., South Bend, Indiana
 Michael Anthony Minelli, Cleveland, Ohio
 Thomas Peter Montgomery, Closter, New Jersey
 Timothy John Moore, Oak Park, Illinois
 John Robert Moosbrugger, Skokie, Illinois
 James Mitchell Morrison, Munster, Indiana
 Michael Lawrence Morrow, Dallas, Texas
 William Dolan Mullaney, Bethel, Connecticut
 John Thomas Muller, Jr., Youngstown, Ohio
 William Francis Munday, Jr., Solon, Ohio
 William Francis Murphy, Rocky River, Ohio
 Michael Francis Murray, Battle Creek, Michigan
 Michael Patrick Murray, Chicago, Illinois
 William Henry Musich, Chicago Heights, Illinois
 James Thomas Naughton, Jr., Larchmont, New York
 Jerome O'Connor Nealon, Binghamton, New York
 Fred James Nemec, Robstown, Texas
 Thomas Frank Noonan, Decatur, Illinois
 Arthur Charles Nordhoff, Jr., Jasper, Indiana
 James Edward Nowak, Chicago, Illinois

Richard V. Nugent, Jr., Chicago, Illinois
 Theodore Joseph Nylese, Jr., Valley Stream, New York
 George Dennis O'Brien, Baltimore, Maryland
 Frank Joseph O'Connell, Jr., Kensington, Maryland
 Gerald Thomas O'Connor, Jr., Chappaqua, New York
 Bruce Garland Odlaug, St. Paul, Minnesota
 Thomas Kiyoshi Ohta, Waihee, Maui, Hawaii
 James Robert Olson, Allentown, Pennsylvania
 John Francis O'Neill, Short Hills, New Jersey
 John Collins Palumbo, Cedar Rapids, Iowa
 Gerald Francis Pape, Chicago, Illinois
 Larry John Paul, Massillon, Ohio
 Edward Henry Pfeiffer, Louisville, Kentucky
 Joseph Thomas Phillips, Jr., Oklahoma City, Oklahoma
 Patrick Joseph Phillips, Iowa City, Iowa
 William Francis Pietrowicz, Wilmette, Illinois
 Kenneth Anton Pindel, Milwaukee, Wisconsin
 Peter Matthew Prairie, Alburg, Vermont
 Charles Edward Pugh III, Oak Park, Illinois
 Thomas Michael Quinn, Fairview Park, Ohio
 James David Rafferty, Highland Park, Illinois
 John Edward Regan, Mankato, Minnesota
 Joseph Lothar Reitter, Chicago, Illinois
 Edward George Resch, Shaker Heights, Ohio
 † Denis Walter Retoske, Dobbs Ferry, New York
 † John L. Ridge, Jr., Portland, Maine
 Francis Walter Riebenack, Forest Hills, New York
 Karl Edmund Roesler, Fort Wayne, Indiana
 David Allen Romano, Chicago Heights, Illinois
 Ross David Rosi, Chicago, Illinois
 James Barry Ryan, Buffalo, New York
 Vincent Thomas Ryan, Evergreen Park, Illinois
 Benjamin Benedict Salvaty, Alhambra, California
 †Ezio Anthony Sansoni, Merced, California
 Stephen Duncan Saussy, New Orleans, Louisiana
 David Joseph Scalise, Northbrook, Illinois
 Carl Fredrick Schaefer, Hoboken, New Jersey
 Sean Patrick Schaeffner, Grosse Pointe Shores, Michigan
 George Ernest Scharpf, Ridgewood Queens, New York
 Peter Louis Scheid, Watervliet, Michigan
 Frank Schlick, III, St. Paul, Minnesota
 Edward Julius Schnurr, Louisville, Kentucky
 John Charles Schuchman, St. Albans, New York
 James Francis Schueppert, Menasha, Wisconsin
 Allen Charles Sell, Hellertown, Pennsylvania
 Patrick John Sheedy, Altoona, Pennsylvania
 Patrick Michael Sheridan, Detroit, Michigan
 † Stephen H. Sherwood, Kansas City, Missouri
 John Ellsworth Shuff, Jr., Cincinnati, Ohio
 Thomas Frederick Sikora, Elkhart, Indiana
 Charles Albert Sladek, Dallas, Texas
 Thomas Stafford Slater, Sault Ste. Marie, Michigan
 Thomas Edgar Sleeper, Kewanee, Illinois
 Franklin Warren Smith, Canton, Ohio
 Joseph Albert Smith, Jr., Indianapolis, Indiana

J. Roger Smith, Bethlehem, Pennsylvania
 James Gilbert Smith, Wheaton, Illinois
 Neil Kingston Smith, Rochester, New York
 Lawrence Arthur Soletti, San Mateo, California
 † William Latten Soule, Jr., Pensacola, Florida
 Dennis Shehan Sterosky, Port Huron, Michigan
 James Francis Stone, Williamsville, New York
 Robert George Strahs, Trenton, New Jersey
 Robert George Streit, Skokie, Illinois
 David Charles Stuebe, Racine, Wisconsin
 Michael Dean Sullivan,* Roselle, Illinois
 John Emery Taffee, South Bend, Indiana
 John Robert Tarnowski, Wyandotte, Michigan
 William Bradford Terrence, Vestal, New York
 Michael Patrick Terry, Chicago, Illinois
 David Benedict Thomas, Pipestone, Minnesota
 Paul Alan Thomason, Greenwich, Connecticut
 William Harold Thompson, South Bend, Indiana
 John Francis Tracy, St. Paul, Minnesota
 Leslie John Traver, Toledo, Ohio
 Ronald Joseph Vannuki, Youngstown, Ohio
 J. Jerald VanOverwalle, Manhasset, New York
 Harold Edward Vertin, Jr., Calumet, Michigan
 John Joseph Waligora, Lansdale, Pennsylvania
 Thomas Pender Walsh, Waukegan, Illinois
 Steven Arthur Weidner, Waterloo, Iowa
 William Cyrus Weinsheimer, Chicago, Illinois
 David Dana Wigton, Cincinnati, Ohio
 John Francis Wilbraham, Swedesboro, New Jersey
 Roger Wilke, Hamilton, Ohio
 David Joseph Witchger, Indianapolis, Indiana
 Gary Robert Yarwood, Niles, Illinois
 Michael James Zambetti, Jacksonville, Florida
 John Henry Zeiler, Paris, Arkansas

**NATIONAL FELLOWSHIPS AND SCHOLARSHIPS
AWARDED FOR 1962-63**

United States Government Fellowships for Study Abroad:

Joseph H. Kavanagh, for study in Germany (Philosophy)
(Fulbright Fellowship)

National Science Foundation Predoctoral Fellowships (Level I):

Richard A. Bajura, (nuclear engineering)
Michael J. Biallas, (analytical chemistry)
William D. Drane, (electrical engineering)
John G. Heywood, (mathematics)
James T. Higney, (nuclear engineering)
William A. Keenan, (electronics)
Michael B. Marchildon, (biochemistry)
Paul M. Margosian, (electronics)
John L. Miesel, (organic chemistry)
William P. Moran, (theoretical physics)
Daniel Omilianowski, (biochemistry)
Frank W. Owens, (mathematics)
Arnold Robba, (nuclear engineering)
William J. Sweeney, (mathematics)

National Science Foundation Predoctoral Fellowships (Level II):

Theodore J. Barth, (mathematics)
Anthony C. Hughes, (mathematics)
Sister Elizabeth Michaels, (mathematics)
Sister Mary Brendan Pierson, (physiology)

National Science Foundation Cooperative Graduate Fellowships:

Robert P. Johnson, (mathematics)
Theodore E. Madey, (physics)
John Misner, (mathematics)
James F. Slifker, (mathematics)
Franklin C. Smith, Jr., (physics)
Sister M. Jean Wallace, (zoology)
Donald R. Weidman, (mathematics)

*National Science Foundation Summer Fellowships for Graduate
Teaching Assistants:*

William E. Dorenbusch, (physics)
James J. Reidy, (physics)
Leonard C. Sulski, (mathematics)
William E. Zenk, (chemical engineering)

National Institutes of Health Predoctoral Fellowship:

George B. Olson, (biology)

Root-Tilden Law Scholarship:

Thomas E. Colleton

Woodrow Wilson Fellowships:

Edmund Burke III
Louis M. Iribarne
William J. Irvin
Richard J. Jensen
William P. Moran

Paul A. O'Bryan, Jr.
Michael F. Pajak, Jr.
William R. Veeder
Michael J. Zwettler

Danforth Fellowships:

Edmund Burke III

William J. Irvin

THE ACADEMIC COSTUME CODE

The history of academic dress reaches far back into the early days of the oldest universities. Academic dress finds its source 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