One Hundred and Twenty-Sixth

Commencement Exercises

OFFICIAL

May 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 Graduate and Undergraduate Divisions of

THE COLLEGE OF BUSINESS ADMINISTRATION



Athletic and Convocation Center At 2:00 p.m. (Eastern Standard Time) Sunday, May 23, 1971

PROGRAM

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PROCESSIONAL

CITATIONS FOR HONORARY DEGREES

by the Reverend James T. Burtchaell, C.S.C., S.S.L., Ph.D. Provost of the University

THE CONFERRING OF HONORARY DEGREES

by the Reverend Theodore M. Hesburgh, C.S.C., S.T.D. President of the University

PRESENTATION OF CANDIDATES FOR DEGREES

by the Reverend Paul E. Beichner, C.S.C., Ph.D. Dean of the Graduate School by Edward J. Murphy, J.D. Acting Dean of the Law School by Frederick J. Crosson, Ph.D. Dean of the College of Arts and Letters by Bernard Waldman, Ph.D. Dean of the College of Science by Joseph C. Hogan, Ph.D. Dean of the College of Engineering by Thomas T. Murphy, M.C.S. Dean of the College of Business Administration

THE CONFERRING OF DEGREES

by the Reverend Theodore M. Hesburgh, C.S.C., S.T.D. President of the University

PRESENTATION OF THE FACULTY AWARD

PRESENTATION OF THE PROFESSOR THOMAS MADDEN FACILITY AWARD

PRESENTATION OF THE PRESIDENT'S AWARDS

COMMENCEMENT ADDRESS

by Dr. Kenneth Keniston Yale Medical School New Haven, Connecticut

SENIOR CLASS PRESIDENT'S ADDRESS

by James J. D'Aurora

CHARGE TO THE CLASS

by the Reverend Theodore M. Hesburgh, C.S.C., S.T.D.

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NOTRE DAME, OUR MOTHER—ORCHESTRA AND AUDIENCE (Words are on inside back cover.)

RECESSIONAL OF THE PLATFORM PARTY

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Degrees Conferred

The University of Notre Dame announces the conferring of The Degree of Doctor of Divinity, honoris causa on: Reverend Bernard J. F. Lonergan, S.J., Willowdale, Ontario

The Degree of Doctor of Laws, honoris causa on:

Neil A. Armstrong, Washington, D. C.

Andrew Felton Brimmer, Washington, D. C.

Donald M. Graham, Chicago, Illinois

Kenneth Keniston, New Haven, Connecticut

Honorable Roger Kiley, Chicago, Illinois

Frank O'Malley, Notre Dame, Indiana

Angelo Paredi, Milan, Italy

Ernest W. Thiele, Evanston, Illinois

Right Reverend Monseigneur Louis-A. Vachon, Quebec, Quebec,

Canada

The Degree of Doctor of Science, honoris causa on: Robert F. Chandler, Jr., Manila, The Philippines

IN THE GRADUATE SCHOOL

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

The Degree of Doctor of Philosophy on:

Dennis Paul Bakalik, Buffalo, New York
B.S., Canisius College, 1965. Major subject: Chemistry. Dissertation: Molecular
Orbital Calculations and Electron Paramagnetic Resonance Studies of Dicyclopentadienylvanadium Dichloride.

†Donald R. Barker, Dallas, Texas
B.A., St. John's Home Missions Seminary (Arkansas), 1965; B.A., University
of Dallas, 1966; M.A., University of Notre Dame, 1970. Major subject: Philosophy. Dissertation: Becoming a Christian and Assenting to Assertions.

†Jean-Michael Beillard, Ottawa, Ontario, Canada Dip., Ecole Superieure de Commerce (Bordeaux), 1964; M.A., University of Notre Dame, 1966. Major subject: Economics. Dissertation: International Economic Integration in the E.E.C. and Comecon—A Comparison.

Clifford John Bellone, San Mateo, California B.S., University of Notre Dame, 1963. Major subject: Microbiology. Dissertation: A Study of the Host Immune Responses to Primary and Transplanted Rous Sarcoma Virus Induced Tumors in the Rat.

†Ronald Alan Belt, Springfield, Ohio
B.S., University of Dayton, 1965; M.S., University of Notre Dame, 1970. Major subject: Physics. Dissertation: Half-life Measurements in Yb172 and the Decays of Eu147 (22d) and Hf173 (23.9h).

†Randall Walton Bland, Galveston, Texas
B.A., Texas A and M University, 1964; M.A., University of Notre Dame, 1966.
Major subject: Government and International Studies. Dissertation: Thurgood
Marshall: A Critical Analysis of the Legal Career of an Associate Justice of
the Supreme Court, 1934-1968.

[†] Degree conferred January 15, 1971.

†Lawrence James Bradley, Albany, New York B.A., St. Bernardine of Siena College, 1957; J.D., University of Notre Dame, 1960; M.A., ibid., 1962. Major subject: History. Dissertation: The London/ Bristol Trade Rivalry: Conventional History, and the Colonial Office 5 Records for the Port of New York.

†Donald Richard Byrne, Detroit, Michigan B.S., University of Detroit, 1955; M.B.A., ibid., 1956. Major subject: Economics. Dissertation: An Empirical Analysis of the Operational Behavior of the Savings and Loan Industry in the Standard Metropolitan Statistical Area of Detroit for the Years 1961 through 1963.

David Ralph Campbell, Montvale, New Jersey
B.S.A.E., University of Notre Dame, 1967; M.S.A.E., ibid., 1969. Major subject: Aerospace Engineering. Dissertation: A Study of Two-Dimensional Channel Flow With Symmetric Forward-Facing Steps Including the Effects of Surface Blowing and Suction.

Philip Brian Carter, Villa Park, Illinois

B.S., University of Notre Dame, 1968. Major subject: Microbiology. Dissertation: Host Responses to Normal Intestinal Microflora.

Frank Nicholas Clary, Junior, South Burlington, Vermont B.A., LaSalle College, 1966. Major subject: English. Dissertation: Drayton, Grenville, and Shakespeare: Sonneteers in an Age of Satire.

Donald Henry D'Amour, West Springfield, Massachusetts A.B., Assumption College, 1964. Major subject: Philosophy. Dissertation: Aristotle on Heroes.

Jan Barthel de Weydenthal, Williamsburg, Virginia Master of Law, Jagiellonian University, Cracow, Poland, 1963; Diplome, Institut d'Etudes Politiques, Paris, 1966. Major subject: Government and International Studies. Dissertation: The Dynamics of Leadership in the Polish United Workers' Party, 1967-1968: A Case Study.

Peter Harry Dierks, South Bend, Indiana
B.S.E.E., University of Notre Dame, 1962; M.S.E.E., ibid., 1964. Major subject: Electrical Engineering. Dissertation: On the Distance Properties of Finite-State Languages With Application to Error Correction.

Michael Clark Downs, Grand Rapids, Michigan B.A., Aquinas College, 1962; M.A., University of Notre Dame, 1963. Major subject: Government and International Studies. Dissertation: A Study of Soviet Participation in the International Labor Organization with Emphasis on the Period 1960-1964.

Robert Ward Duff, Arcadia, California B.A., University of Notre Dame, 1966; M.A., ibid., 1970. Major subject: Sociology and Anthropology. Dissertation: Neighborhood of Residence and Knowledge, Attitudes and Practices Related to Conception Control in a Philippine City.

†Akın Ecer, Ankara, Turkey B.S., Middle East Technical University, 1966; M.S., ibid., 1967. Major subject: Civil Engineering. Dissertation: Finite Element Analysis of Post-Buckling Behavior.

†Rudyard M. Enanoza, Quezon City, Philippines B.S., University of the Philippines, 1967. Major subject: Chemistry. Dissertation: Conformational Analysis of 5-Geminally Substituted 1,3-Dioxanes.

Rev. James William Flanagan, Dubuque, Iowa B.A., Loras College, 1958; S.T.L., Gregorian University, 1962. Major subject: Theology. A Study of the Biblical Traditions Pertaining to the Foundation of the Monarchy in Israel.

William Morgan Fowler, Junior, Wakefield, Massachusetts B.A., Northeastern University, 1967; M.A., University of Notre Dame, 1969. Major subject: History. William Ellery: A Rhode Island Politico and Lord of Admiralty.

- †Gerald Richard Franzen, South Bend, Indiana A.B., Villa Madonna College, 1964. Louisiana State University and A. and M. College, 1967. Major subject: Chemistry. Dissertation: Intrinsic Diastereotopism of Geminal Groups.
- Sherrill Alfred Fridmann, Buffalo, New York B.S., Niagara University, 1964; M.S., Canisius College, 1968. Major subject: Chemistry. Dissertation: Association Reactions of BH3.
- Dennis L. Friesel, Hillside, Illinois

 B.S., St. Procopius College, 1964. Major subject: Physics. Dissertation:
 Resonance Fluorescence of 23Na.
- †Honnappanahalli V. Ganganna, Dharwar, India B.Sc., University of Mysore, 1958; M.Sc., ibid., 1959; M.S.E.E., University of Notre Dame, 1968. Major subject: Electrical Engineering. Dissertation: Low-Strain Amplitude Magnetic Damping in Nickel Single Crystals.
- †William Gangi, New York, New York B.A., St. John's University (New York), 1964; M.A., ibid., 1965. Major subject: Government and International Studies. Dissertation: The Court and Confessions: Justice at the Expense of Truth?
- Michael Andrew Gauger, Fairborn, Ohio B.S., University of Notre Dame, 1967. Major subject: Mathematics. Dissertation: On The Classification of Metabelian Lie Algebras.
- †John Anthony Gontarz, Hyde Park, Massachusetts A.B., Boston University, 1966. Major subject: Chemistry. Dissertation: Studies of the Mechanism and Steric Effects of the Hydroxymercuration of Substituted Cyclohexenes.
- Larry Allen Gray, Cleveland, Ohio B.A., University of Dayton, 1965. Major subject: English. Dissertation: The Vice: His Nature and Origins.
- Sister Dolores Greeley, Sisters of Mercy of the Union, St. Louis, Missouri
 A.B., Webster College, 1958. M.A., University of Notre Dame, 1964. Major subject: Theology. Dissertation: The Church as "Body of Christ" according to the Teaching of St. John Chrysostom.
- Robert T. Grismer, Coos Bay, Oregon
 B.A., Immaculate Conception College (Wisconsin), 1948; M.A., University of
 Notre Dame, 1969. Major subject: Education. Dissertation: The Effectiveness
 of an Experience-Based Learning Model on the Improvement of Communication and Relationship Skills in Legal Education.
- †Robert L. Hamburger, Mishawaka, Indiana B.A., University of Notre Dame, 1965; M.A., ibid., 1967. Major subject: Government and International Studies. Dissertation: Franco-American Relations, 1940-1962: The Role of the United States Anticommunism and Anticolonialism in the Formulation of United States Policy on the Algerian Question.
- Edmund Aloysius Harrington, Junior, New Bedford, Massachusetts B.S., Providence College, 1965. Major subject: Physics. Dissertation: Study of the K+K— and PP Production in Four-Prong $_\pi$ +p Interactions at 18.5 GeV/c.
- Armando Antonio Hartmann, Lima, Peru Quimico, Univ. Nac. de San Marcos, Lima, 1965. Major subject: Chemistry. Conformational Analysis of 1,3-Dithianes with Polar Substituents. Some Novel Reactions.
- †Christopher E. Hee, Ann Arbor, Michigan B.Chem.E., University of Detroit, 1961. Major subject: Mathematics. Dissertation: A Basis for the Wu Relations.
- Rev. Eugene F. Hemrick, Glen Ellyn, Illinois A.B., St. Mary of the Lake Seminary, 1959; A.M., ibid., 1962; M.Rel.Ed., Loyola University, 1968. Major subject: Education. Dissertation: Modification of Teacher Behavior in Religious Education Through Videotape Feedback.

- César Xavier Hernández-Cela, Murcia, Spain
 Perito Industr. Electr., Esc. de Peritos Industriales de Cartagena (Spain) 1958;
 M.S.E.E., University of Notre Dame, 1963. Major subject: Sociology and Anthropology. Dissertation: Fertility Stress in Costa Rica.
- Edwin A. Hiss, Sandusky, Ohio
 B.S., University of Notre Dame, 1966. Major subject: Biology. Dissertation:
 The Biochemical Basis of Female Monogamy in Aedes Aegypti (L.)
- †Paul John Hitcho, West Mifflin, Pennsylvania B.A., St. Vincent College, 1966. Major subject: Biology. Dissertation: Molting and Maturation Controls in *Trichinella Spiralis*.
- Lawrence Lee Kazmerski, Niles, Illinois B.S.E.E., University of Notre Dame, 1967; M.S.E.E., ibid., 1968. Major subject: Electrical Engineering. Dissertation: The Interrelationship of Crystalline Properties and Electronic Conduction in Cadmius Sulphide-Thin Films.
- Vinod Chander Khera, Ambala City, India B.S., Panjab University, 1966; M.A.Sc., University of Windsor, 1968. Major subject: Chemical Engineering. Dissertation: Yield, Selectivity, and Kinetic Studies of Silver Catalysed Oxidation of Ethylene to Ethylene Oxide.
- James Allan King, Hughesville, Pennsylvania B.A., St. Procopius College, 1967; M.A., University of Notre Dame, 1970. Major subject: Sociology and Anthropology. Dissertation: The Effect of Staff Ideology, Patient Population, and Hospital Structure on the Treatment Milieu of the Mental Hospital.
- David F. Kiszkiss, Rochester, New York B.S., University of Windsor, 1964; M.S., ibid., 1966. Major subject: Microbiology. Dissertation: The Relationship Between Nitrate Reductase and the Membrane of Bacillus stearothermophilus.
- †Daniel A. Kleier, Louisville, Kentucky B.A., Bellarmine College, 1967. Major subject: Chemistry. Dissertation: Dynamic NMR Studies of Complex Spin Systems.
- †Norbert Alfred Krapf, Jasper, Indiana B.A., St. Joseph's College (Indiana), 1965; M.A., University of Notre Dame, 1966. Major subject: English. Dissertation: Robert Lowell and the American Past.
- Richard Thomas Lambert, Helena, Montana B.A., St. Bernard's Seminary and College (New York), 1965. Major subject: Philosophy. Dissertation: Man's Knowledge of His Soul in St. Thomas Aquinas.
- †Song-Pai Lee, Fort Wayne, Indiana B.S.E.E., Taiwan Provincial Cheng Kung University, 1953; M.S.E.E., Purdue University, 1957. Major subject: Electrical Engineering. Dissertation: Optimum Signal and Receiver Design in the Noise and Reverberation Environment.
- Robert J. Lewis, Pittsburgh, Pennsylvania A.B., St. Joseph's College (Pennsylvania), 1966. Major subject: English. Dissertation: The Narrative Art of Barnaby Riche.
- †Rev. Richard J. Lohkamp, Order of Friars Minor, Quincy, Illinois B.A., Quincy College, 1960; S.T.B., St. Joseph Seminary (Illinois), 1964; M.A., University of Notre Dame, 1969. Major subject: Philosophy. Dissertation: The Meaning and Significance of Charles S. Peirce's "On a New List of Categories."
- William Bernard Madden, Helena, Montana B.S., University of Portland, 1965. Major subject: Physics. Dissertation: A Study of the Reaction π -P \rightarrow P π + π π ° at 18.5 Ge/Vc.
- †William Henry Martineau, Turners Falls, Massachusetts B.A., Fairfield University, 1965; M.A., University of Notre Dame, 1967. Major subject: Sociology and Anthropology. Dissertation: Patterns of Social Participation and A Sense of Powerlessness Among Urban Blacks.

- Miss Joan Christine May, Orchard Park, New York B.S., Nazareth College of Rochester, 1965; M.S., University of Wisconsin, 1968. Major subject: Chemistry. Dissertation: Moessbauer and Related Studies of Some Tin (IV) Complexes.
- Michael L. McDougall, Fort Wayne, Indiana
 B.S., University of Notre Dame, 1966. Major subject: Microbiology. Dissertation: Biological Rhythms of the Conventional and Germfree Rat.
- †Michael Ray Meck, Detroit, Michigan B.S., University of Michigan, 1963; M.S., University of Notre Dame, 1966. Major subject: Mathematics. Dissertation: Cohomology of the Borel Subgroup of a Chevalley Group.
- †Paul B. Merkel, Rochester, New York
 B.S., St. John Fisher College, 1967. Major subject: Chemistry. Dissertation:
 Low-Energy Electron Impact Spectroscopy of Thin Solid Films.
- †George Richard Meyer, Corpus Christi, Texas B.A., University of St. Thomas (Texas), 1966. Major subject: Chemistry. Dissertation: A Mechanistic Study of the Hydrobromination of Nonconjugated Olefins in Acetic Acid.
- Frank J. Michalski, St. Louis, Missouri
 B.S., St. Louis University, 1960; M.S., University of Notre Dame, 1966. Major subject: Biology. Dissertation: The Effect of Viruses From Frog Renal Tumor Fractions on Amphibian Cells In Vitro.
- †Ramesh K. Miglani, Chandigarh, India B.A., Panjab University, 1959; M.A., ibid., 1962; M.S., University of Notre Dame, 1967. Major subject: Mathematics. Dissertation: Representation-Theoretic Study of Maximal Class p-groups.
- Thomas S. Mobley, II, Albuquerque, New Mexico B.S., University of New Mexico, 1950; M.S., ibid., 1955. Major subject: Biology. Dissertation: Effects of Age, Temperature, Reproductive Activity and Oxygen Concentration on the Radiation Sensitivity of the Confused Flour Beetle, Tribolium confusum, DuVal.
- Erwin Neumaier, München, Germany
 University of Tubingen, 1958-1959; University of Munich, 1959-1963; M.A.,
 University of Notre Dame, 1965. Major subject: Government and International Studies. Dissertation: The Totalitarianism of Stalin and Hitler in Relation to the Army.
- †John Thomas O'Connor, Worcester, Massachusetts
 B.A., College of the Holy Cross, 1960; M.B.A., University of Pennsylvania,
 1962. Major subject: Economics. Dissertation: The Redistributive Effects of
 Title XIX of the Social Security Act: A Statistical Study for 1968.
- †Randolph John Ostlie, Bowie, Maryland B.S., Marquette University, 1965; M.S., University of Notre Dame, 1968. Major subject: Mathematics. Dissertation: Pure-Injective Modules.
- Robert Joseph Parker, Bronx, New York

 B.A., Marian College (New York), 1958; M.S., University of Notre Dame,
 1964. Major subject: Physics. Dissertation: Lorentz Basis for the 3 + 2 De
 Sitter Group.
- Paul Charles Parlato, Buffalo, New York
 A.B., St. Joseph's Seminary (Washington, D. C.), 1964; M.A., Canisius College, 1967.
 Major subject: English. Dissertation: Vesture in Anglican Tradition: A Frame of Reference for Swift's Tale of a Tub.
- †Darrell Lynn Peterson, Lexington, Missouri B.S., University of Notre Dame, 1966. Major subject: Microbiology. Dissertation: The Mechanism of Transamination: The Function of a Critical Histidine Residue at the Active Site of Supernatant Glutamate Aspartate Transaminase.

- Manfred Prokop, Edmonton, Alberta, Canada Translator's Diploma, University of Vienna, 1963; Interpreter's Master's Diploma, ibid., 1965; M.A., University of Notre Dame, 1967. Major subject: Education. Dissertation: Student Teacher Perceptual Change and Role Conflict in Relation to Role Perceptions Held by a Three-Member Supervisory Team.
- †Charles F. Quinn, 3rd, Delray Beach, Florida B.S., University of Notre Dame, 1961; M.A., ibid., 1963. Major subject: Philosophy. Dissertation: An Analysis of the Concept of Constructive Categoricity.
- †John David Quinn, Mobile, Alabama B.S., St. Joseph's College (Pennsylvania), 1963; M.A., University of Notre Dame, 1964. Major subject: English. Dissertation: A Study of Samuel Butler's Characters.
- †Albert E. Rainis, Chicago, Illinois B.S., De Paul University, 1963; M.S., ibid., 1965. Major subject: Physics. Dissertation: A Study of the Decays of Ho(162), Ho(162m), and Ho(160) + Ho(160m).
- †Mario A. Renzi, Westchester, Illinois B.A., St. Procopius College, 1966; M.A., University of Notre Dame, 1969. Major subject: Sociology and Anthropology. Dissertation: Correlates of Instrumental and Expressive Voluntary Association Membership in a Black Community.
- Philip F. Riley, South Bend, Indiana B.A., University of Notre Dame, 1963; M.A., ibid., 1964. Major subject: History. Dissertation: Moral Rigorism in the Character of Louis XIV: The Sun King's Interest in the Moral Behavior of Frenchmen between 1683 and 1715.
- Carl Gerard Schott, Pittsburgh, Pennsylvania
 B.A., Duquesne University, 1968; M.A., University of Notre Dame, 1970.
 Major subject: History. Dissertation: The Franco-German Duel for Russian
 Support: The Russian Mission of General Adolphe Le Flo, 1871-79.
- †Paul Julian Schuler, Louisville, Kentucky B.A., Bellarmine College, 1958; M.A.T., University of Notre Dame, 1961. Major subject: Education. Dissertation: The Reaction of American Catholics to the Foundations and Early Practices of Progressive Education in the United States, 1892-1917.
- Philip Thomas Sciortino, Orlando, Florida
 B.S., Fordham University, 1954; M.B.A., Rollins College, 1963; M.Ed., ibid., 1968. Major subject: Education. Dissertation: A Principal Components Analysis of the Correlates of Current Operating Expenditure of Catholic Schools in the St. Louis Missouri Archdiocese.
- †William Wayne Seremak, Lombard, Illinois
 B.S., St. Procopius College, 1963. Major subject: Physics. Dissertation: A
 Study of the Decays of Lu172, Lu174, and Lu174m.
- †John William Sider, Mishawaka, Indiana B.A., University of Waterloo, 1965; M.A., McMaster University, 1966. Major subject: English. Dissertation: A Critical Edition of The Troublesome Raigne of John King of England.
- William Henry Slavick, Bartlett, Tennessee
 B.A., University of Notre Dame, 1949; M.A., ibid., 1951. Major subject:
 English. Dissertation: DuBose Heyward: The Rhythms of Charleston.
- †Paul Herbert Smith, Fort Mitchell, Kentucky A.B., Villa Madonna College, 1965. Major subject: Physics. Dissertation: The Reaction of π P \Longrightarrow P π + π π at 18.5 GeV/c.
- Harold Eugene Snyder, Barrington, Rhode Island
 Th.B., Malone College (Ohio), 1945; B.A., Westminster College, 1949; M.A.,
 Winona Lake School of Theology, 1959; M.S., Bowling Green State University,
 1960. Major subject: Biology. Dissertation: The Stratification and Vertical
 Migration of Spiders in Three Old-Fields of St. Joseph County, Indiana.

Roger William Snyder, Dayton, Ohio

B.S.M.E., University of Cincinnati, 1962; M.S. in Eng. Sci., University of
Notre Dame, 1964. Major subject: Engineering Science. Dissertation: Myocardial Muscle Mechanics.

Miss Mary Julian Stankewicz, Baltimore, Maryland A.B., College of Mount St. Joseph-on-the-Ohio, 1960. M.S., University of Notre Dame, 1967. Major subject: Chemistry. Dissertation: A Comparative Study of Some Structurally or Mechanistically Important Amino Acids in Soluble and Mitochondrial Aspartate Transaminase.

†Daniel Joseph Steible, Junior, Cincinnati, Ohio B.S., Xavier University (Ohio), 1966. Major subject: Chemistry. Dissertation: Motional Effects in Electron Paramagnetic Resonance Spectroscopy.

†Paulino Yu Tan, Manila, Philippines

B.S.Ch.E., DeLaSalle College (Philippines), 1967; M.S., University of Notre Dame, 1969. Major subject: Chemical Engineering. Dissertation: Statistical Mechanical Analysis of Conformality as a Valid Approximate Theory of Excess Thermodynamic Mixing Properties.

David Michael Thomas, University City, Missouri
 B.A., University of Notre Dame, 1961; M.A., Holy Cross College (Washington, D.C.), 1965; M.A., University of Notre Dame, 1966. Major subject: Theology. Dissertation: Karl Barth's Theology of Marriage.

†Joseph L. Thomas, Snohomish, Washington B.S., Valparaiso University, 1966. Major subject: Chemistry. Dissertation: Mass Spectra of Rare Earth Cyclopentadienides and Synthesis of Rare Earth Organometallics.

Michael Aloysius Tragarz, Rock Island, Illinois B.S.A.E., University of Notre Dame, 1965; M.S.A.E., ibid., 1966. Major subject: Aerospace Engineering. Dissertation: Parafoil Deployment and Flight.

†Jer-Shung Twu, Hsing-Ying, Taiwan
B.S., Taiwan Normal University, 1964. Major subject: Chemistry. Dissertation:
Studies on Polyadenylate Polymerase and Nucleotide Pyrophosphatase From
Yeast.

†William Joseph Walsh, Hillside, Illinois B.A., St. Mary's College (Minnesota), 1966; M.A., University of Notre Dame, 1968. Major subject: Economics. Dissertation: Alleviating the Regressivity of the Sales Tax Through the Use of a Vanishing Credit.

†John P. Walter, Gainesville, Texas B.A., St. Benedict's College (Kansas), 1961; M.B.A., North Texas State University, 1962; M.A., ibid., 1965. Major subject: Economics. Dissertation: The Economics of Labor Force Participation of Urban Slum-Barrio Youth in Cali, Colombia: A Case Study.

William Virgil Walter, Columbus, Ohio B.Sc., Ohio State University, 1962; M.Sc., ibid., 1965. Major subject: Chemistry. Dissertation: A Nuclear Magnetic Resonance Study of Phospholipid Micelles.

John Joseph Woods, Philadelphia, Pennsylvania B.A., LaSalle College, 1950; M.S., University of Notre Dame, 1952. Major subject: History. Dissertation: W. E. Gladstone and the Social Problem.

Miss Mary Virginia Zeller, University Heights, Ohio B.S., Notre Dame College (Ohio), 1964; M.S., John Carroll University, 1966. Major subject: Chemistry. Dissertation: Synthesis and Spectral Studies of Transition Metal Complexes of β -Keto Imines.

The Degree of Master of Arts on:
Perry Wayne Aberli, Louisville, Kentucky
B.A., University of Notre Dame, 1969. Major subject: Government.

- Nicholas John Achille, Chicago, Illinois B.A., University of Notre Dame, 1964; M.S., Loyola University (Illinois), 1968. Major subject: Sociology and Anthropology.
- Bernard Anthony Andrea, Calgary, Alberta, Canada B.C., St. Francis Xavier University (Canada), 1955; B.E., ibid., 1958. Major subject: Education.
- †Thomas D. Arkwright, Corpus Christi, Texas B.A., University of Notre Dame, 1966. Major subject: Modern and Classical Languages (Russian).
- †Miss Dorothy Ann Autrey, Ozark, Alabama B.A., Talladega College, 1969. Major subject: History.
- †Miss Susan Julie Bierhanzel, Lincolnwood, Illinois B.A., Wheeling College, 1969. Major subject: Government and International Studies.
- †John Andrew Bishko, Clifton, New Jersey
 B.A., University of Notre Dame, 1966. Major subject: Economics.
- Brother John Patrick Brady, Marist Brothers, Bronx, New York B.A., Marist College (New York), 1961. M.A., Manhattan College, 1967. Major subject: Education.
- †Mrs. Sue M. Brander, South Bend, Indiana B.A., University of Connecticut, 1966. Major subject: English.
- †Mrs. Elizabeth Sophie Bräuchle, Jochberg, Tirol, Austria University of Innsbruck, 1966-68. Major subject: Modern and Classical Languages (German).
- Harold William Burgess, Mishawaka, Indiana B.A., Bethel College, 1955; B.D., Asbury Theological Seminary, 1958. Major subject: Education.
- Rev. Gordon N. Butcher, South Bend, Indiana
 B.A., Purdue University, 1964; M.Div., Methodist Theological School in Ohio, 1967.
 Major subject: Theology.
- Ronald Paul Chandonia, South Bend, Indiana B.A., University of Notre Dame, 1969. Major subject: Education.
- John Anthony Ciccolo, Levington, Massachusetts A.B., Boston University, 1969. Major subject: Psychology.
- †Rev. James Bernard Cooney, Conception, Missouri Ordained, March 19, 1959, Springfield, Missouri. Major subject: Theology.
- Rev. Leonard Joseph Cornelius, Order of Friars Minor, Southfield, Michigan B.A., Duns Scotus College, 1965. Major subject: Philosophy.
- Richard Joel Coronado, South Bend, Indiana B.A., University of Notre Dame, 1969. Major subject: Economics.
- Sister Felicia E. Czerwionka, Order of Servants of Mary, Chicago, Illinois B.S., Loyola University (Illinois), 1965. Major subject: Philosophy.
- Jerry Girard Darling, Harper Woods, Michigan B.S., Eastern Michigan University, 1970. Major subject: Education.
- †Brother Lawrence John Dempsey, Brothers of the Christian Schools, Pittsburgh, Pennsylvania B.A., LaSalle College, 1962; M.A., ibid., 1963. Major subject: Modern and Classical Languages (Spanish).

- Mrs. Jeanne Enid Derbeck, South Bend, Indiana B.A., Indiana University, 1969. Major subject: English.
- Sister Mary Ann Dixon, Sisters of St. Dominic, Adrian, Michigan B.A., Siena Heights College, 1967. Major subject: Education.
- †Miss Elizabeth Marie Drake, Worcester, Massachusetts B.A., Anna Maria College, 1969. Major subject: English.
- Rev. Michael John Duffy, Order of Preachers, Chicago, Illinois A.B., John Carroll University, 1960; B.A., Aquinas Institute of Philosophy and Theology, 1963; M.A., ibid., 1964. Major subject: Education.
- Robert John Durel, Thibodaux, Louisiana B.A., Notre Dame Seminary, 1964. Major subject: Sociology and Anthropology.
- †Miss Lois Jeanette Eby, Maryville, Tennessee B.A., College of Wooster, 1969. Major subject: History.
- James Charles Ewing, Mishawaka, Indiana
 B.A., University of Notre Dame, 1968. Major subject: History and Philosophy
 of Science.
- Miss Patricia Suzanne Fenelon, Davenport, Iowa B.A., Cardinal Stritch College, 1956; M.L.S., Columbia University, 1968. Major subject: English.
- †Mrs. Mary Louise Folts, Detroit, Michigan B.A., St. Mary's College (Indiana), 1969. Major subject: Modern and Classical Languages (Russian).
- Rev. Richard Edward Fox, Order of Cistercians of the Strict Observance, Ava, Missouri B.A., College of St. Thomas (Minnesota), 1969. Major subject: Psychology.
- †David James Giacopassi, Windsor Locks, Connecticut B.A., St. Anselm's College, 1969. Major subject: Sociology and Anthropology.
- Sister Miriam Glowacz, Sisters Servants of the Immaculate Heart of Mary, Immaculata, Pennsylvania A.B., Immaculata College, 1964. Major subject: English.
- William Bernard Gormley, Calgary, Alberta, Canada B.A., St. Francis Xavier University (Canada), 1955; B.E., Mount Allison University (Canada), 1959. Major subject: Education.
- Miss Constance Louise Griffin, Pittsburgh, Pennsylvania B.A., St. Mary's College (Indiana), 1968. Major subject: Education.
- Edward Anthony Grode, Erie, Pennsylvania B.A., Gannon College, 1970. Major subject: History.
- Miss Maureen Diane Henry, Pottstown, Pennsylvania B.A., The Catholic University of America, 1969. Major subject: Philosophy.
- Thomas Joseph Hickey, San Jose, California B.S.B.A., University of Tulsa, 1963; M.A.(Econ.), University of Notre Dame, 1970. Major subject: Philosophy.
- William Thomas Hill, Waltham, Massachusetts
 A.B., Boston College, 1969. Major subject: Government and International Studies.
- Harry Lee Irvine, Valley Stream, New York B.A., University of Notre Dame, 1970. Major subject: Education.
- Miss Judith Mary Johnson, Kenosha, Wisconsin B.A., St. Mary's College (Indiana), 1969. Major subject: Modern and Classical Languages (Spanish).

- William Edward Jones, Gary, Indiana B.A., University of Notre Dame, 1968. Major subject: Modern and Classical Languages (Spanish).
- †Mrs. Patricia Mary Kane, South Bend, Indiana B.A., University of Iowa, 1948. Major subject: Communication Arts.
- William Gerard Kemps, Roselle, New Jersey
 A.B., Assumption College, 1969. Major subject: Government and International
 Studies.
- Rev. Campion George Kluczynski, Order of Friars Minor, Lisle, Illinois B.A., St. Francis College (Wisconsin), 1955. Major subject: Art.
- †Steven Calvin Kocharhook, Seattle, Washington B.A., Seattle University, 1969. Major subject: Government and International Studies.
- Mrs. Saskia Sassen-Koob, Buenos Aires, Argentina University of Buenos Aires, 1965-66; University de Roma, 1967-68. Major subject: Sociology and Anthropology. Dissertation: Social Stratification, Ethnicity and Ideology: Anglos and Chicanos in the United States.
- Thomas Duane Korey, Niagara Falls, New York
 B.A., Niagara University, 1969. Major subject: Government and International
 Studies.
- †Miss Mary Margaret Kraus, Marshfield, Wisconsin B.A., Viterbo College, 1964. Major subject: English.
- †Cletus H. Kruyer, Junior, South Bend, Indiana B.A., Indiana University, 1948. Major subject: Economics.
- †Miss Maria Rosetta Peck-va Lai, Macao, South China B.A., St. Mary's College (Indiana), 1969. Major subject: Sociology and Anthropology.
- Richard Charles Linquanti, Spring Valley, New York B.A., University of Notre Dame, 1971. Major subject: Government and International Studies.
- †Brother Edward J. Loch, Society of Mary, East St. Louis, Illinois B.A., St. Mary's University of San Antonio, 1961. Major subject: Modern and Classical Languages (Spanish).
- Stanley Herbert Lopp, Nappanee, Indiana B.S., Indiana Central College, 1966. Major subject: Art.
- †Michael Hugh Lythgoe, St. Louis, Missouri B.S., St. Louis University, 1963. Major subject: Government and International Studies.
- †Sister Ellen Maher, Sisters of St. Joseph of Cleveland, Cleveland, Ohio
 A.B., Ursuline College (Ohio), 1963. Major subject: Sociology and Anthropology.
- Joseph Richard Maio, South Bend, Indiana
 B.S., United States Military Academy, 1961. Major subject: Government and
 International Studies.
- Mrs. Christiane Tschierske Martens, South Bend, Indiana Pädagogische Hochschule, Bonn, Germany, 1962-1965. Städtisches Seminar für Werkätige Erziehung, Düsseldorf, 1966-1967. Major subject: Art.
- John Andrew Martens, South Bend, Indiana
 A.B., Davidson College, 1966. Major subject: Government and International
 Studies.

- Miss Ann Martin, Pittsburgh, Pennsylvania B.E., Duquesne University, 1960. Major subject: Art.
- †Miss Marjorie L. Martin, Berrien Springs, Michigan B.S., Andrews University (Michigan), 1966. Major subject: Sociology and Anthropology.
- Mrs. Patricia Rose Mattheisen, South Bend, Indiana B.A., University of Minnesota, 1959; M.A., University of Notre Dame, 1969. Major subject: Psychology.
- †Robert Thomas McAleer, Charlotte, Iowa B.A., St. Ambrose College, 1967. Major subject: Modern and Classical Languages (Spanish).
- Sister Mary Margaret McCann, Sisters, Servants of the Immaculate Heart of Mary, Monroe, Michigan B.A., Marygrove College, 1966. Major subject: Education.
- †John Michael McConnell, Phoenix, Arizona B.A., Columbia University, 1963. Major subject: Government and International Studies.
- Thomas Michael McCoog, Philadelphia, Pennsylvania B.S., St. Joseph's College (Pennsylvania), 1969. Major subject: Theology.
- †Michael John McGowan, Williston Park, Long Island, New York B.S., C. W. Post College of Long Island University, 1962. Major subject: Economics.
- Sister Marianne McGriffin, Sisters of Providence, South Bend, Indiana B.S., St. Mary-of-the-Woods College, 1961; M.S., University of Dayton, 1966. Major subject: Education.
- Miss Mary V. Meeks, Wayne, Pennsylvania B.A., Rosemont College, 1969. Major subject: Government and International Studies.
- Blair Regis Meiser, Pittsburgh, Pennsylvania
 B.A., University of Notre Dame, 1969. Major subject: Psychology. Dissertation: The Intensity and Duration of Shock "Feedback" Responses as a Function of Media Aggression.
- Michael Edward Melody, Philadelphia, Pennsylvania B.S., St. Joseph's College (Pennsylvania), 1969. Major subject: Government and International Studies.
- David Frederick Menz, Little Rock, Arkansas B.A., University of Notre Dame, 1969. Major subject: History and Philosophy of Science.
- †Brother Martin Moran, Xaverian Brothers, Brooklyn, New York B.A., The Catholic University of America, 1963. Major subject: Modern and Classical Languages (Spanish).
- †Rev. John Michael Mulcahy, Congregation of Holy Cross, Notre Dame, Indiana
 A.B., University of Notre Dame, 1959. Major subject: Education.
- Brian Paul Murphy, North Arlington, New Jersey B.A., University of Notre Dame, 1969. Major subject: Psychology.
- Miss Marilyn Ann Murphy, Fairfax, Minnesota B.A., Mankato State College, 1969. Major subject: Government and International Studies.

- †Miss Mary Catherine Murphy, Huntington, New York B.A., St. John's University (New York), 1969. Major subject: English.
- †Sister Beverly Nay, Sisters of the Precious Blood, San Luis Rey, California B.S., University of Dayton, 1962. Major subject: English.
- Mrs. Roberta H. Nestor, Waukesha, Wisconsin B.A., Lawrence University, 1966. Major subject: Education.
- †Vincent Paul O'Brien, Needham, Massachusetts B.A., Boston College, 1968. Major subject: History.
- †Rev. Joseph James Offutt, Mexico, Missouri B.A., Cardinal Glennon College, 1959; S.T.L., Gregorian University, 1963; A.M., University of Missouri, 1969. Major subject: Sociology and Anthropology. Dissertation: Sex-Role Identity, Personality System, and Modern/Traditional Belief System in a Sample of Religious and Lay Males and Females.
- Patrick James Owens, South Boston, Massachusetts B.A., State College at Boston, 1968. Major subject: History.
- Frank Charles Palopoli, Philadelphia, Pennsylvania B.A., LaSalle College, 1969. Major subject: Government and International Studies.
- Raymond F. Patnaude, Junior, South Bend, Indiana B.A., University of Notre Dame, 1969. Major subject: Government and International Studies.
- George Charles Patterson, Houston, Texas B.S., University of Dayton, 1968. Major subject: History.
- Jacques-Yves Philippe Penicaud, Ecully, France
 Licence es Sciences Economiques, University of Paris, 1969. Major subject:
 Economics.
- Sister Nancy Anne Powell, Sisters of Charity of St. Vincent de Paul, Halifax, Nova Scotia, Canada B.A., Mt. St. Vincent College (Canada), 1955; B.Ed., ibid., 1957. Major subject: Education.
- Miss Lida Maria Petruniak, Chicago, Illinois B.F.A., The School of the Art Institute of Chicago, 1968. Major subject: Art.
- Wolfgang H. Raab, Toronto, Ontario, Canada Leopold-Franzens-Univ., Innsbruck, Austria, 1964-65. Univ. of Munich, 1962-1968. Major subject: Modern and Classical Languages (French).
- Mrs. Kathleen Andrews Reynolds, South Bend, Indiana B.A., St. Mary's College (Indiana), 1968; M.A.T., University of Notre Dame, 1969. Major subject: History.
- Brother Joel Anthony Rippinger, Order of St. Benedict, Aurora, Illinois
 B.A., St. Procopius College, 1970. Major subject: History. Dissertation: Edwin
 L. Godkin as Editor of the NATION: His Influence on Public Opinion and American Foreign Policy in the Philippines, 1898-1900.
- †Sister Barbara Riter, Sisters of St. Mary of Namur, Kenmore, New York B.A., Rosary Hill College, 1966. Major subject: Modern and Classical Languages (Spanish).
- †Harold Jose Rizo, Cali, Colombia, South America Magister en Admin. Industrial, Universidad del Valle, 1968; D.Sci. Jurid., Universidad Javeriana, 1968. Major subject: Government and International Studies.

- Alfred Patrick Roach, Levittown, New York B.A., Fairfield University, 1965. Major subject: History.
- †Meredith P. St. Clair, Pittsfield, Pennsylvania B.A., Grove City College, 1962. Major subject: Government and International Studies.
- Raúl Santoyo Gamio, México City, México Lic. Science and Techniques of Information, Univ. Iberoamericana, Mexico City, 1964. Major subject: Sociology and Anthropology. Dissertation: Mexican-Americans and the Protestant Ethic.
- Miss Barbara Schofield, Brooklyn, New York B.A., Marymount Manhattan College, 1969. Major subject: English.
- †Rev. Albert Joseph Schwab, Congregation of Holy Cross, Bridgeport, Connecticut A.B., Stonehill College, 1964; M.A., Holy Cross College (Washington, D. C.), 1967. Major subject: Education.
- †Jerome R. Scipior, Stevens Point, Wisconsin B.A., St. Mary's College (Minnesota), 1966. Major subject: Education.
- †Sister Olivia Scully, Sisters of the Presentation of the Blessed Virgin Mary, Fargo, North Dakota B.S., College of St. Teresa (Minnesota), 1962. Major subject: Education.
- Philip Alfred Simeone, Flushing, New York B.A., St. Francis College (New York), 1964. Major subject: Theology.
- Richard Gene Sisti, South Bend, Indiana B.A., Baldwin-Wallace College, 1964. Major subject: History.
- Mrs. Patricia Kay Sorensen, South Bend, Indiana B.A., St. Mary's College (Indiana), 1968. Major subject: Philosophy.
- Mrs. Elisabeth Spanhoff, Norwalk, California B.A., Mount St. Mary's College (California), 1966. Major subject: Philosophy.
- Richard Breen Steinbugler, Garden City, New York Our Lady of Guadalupe Trappist Abbey, 1953-56; Gregorian University, 1956-57. Major subject: Philosophy.
- Edward Patrick Stivender, Clifton Heights, Pennsylvania A.B., St. Joseph's College (Pennsylvania), 1968. Major subject: Theology.
- Thomas John Stuhldreher, Akron, Ohio
 A.B., Borromeo Seminary of Ohio, 1969. Major subject: Philosophy.
- Sister Mary LaRae Sweet, Sisters of St. Dominic, Riverview, Michigan B.S., Siena Heights College, 1967. Major subject: Education.
- George Tracy Talbot, Hyde Park, Massachusetts B.A., State College at Boston, 1968. Major subject: Government and International Studies.
- †Dennis A. Terzola, Cleveland, Ohio B.S., John Carroll University, 1962; J.D., Baldwin-Wallace College, 1967. Major subject: Sociology and Anthropology.
- Sister Gail Ann Thomas, Sisters of Providence, Whiting, Indiana B.S., St. Mary-of-the-Woods College, 1963. Major subject: Education.
- †Tuan Ton-That, Saigon, South Vietnam B.A., Chapman College, 1969. Major subject: Economics.

- John Ralph Tufano, Phoenix, Oregon B.S., Worcester Polytechnic Institute, 1963. Major subject: Government and International Studies.
- †William Hobert Turner, Lynch, Kentucky
 B.A., University of Kentucky, 1968. Major subject: Sociology and Anthropology.
- Patrick William Utz, Chicago, Illinois B.A., St. Mary of the Lake Seminary (Illinois), 1960; S.T.B., ibid., 1962; A.M., ibid., 1963; S.T.L., ibid., 1964. Major subject: Education.
- †Robert John Walsh, Tenafly, New Jersey B.A., University of Notre Dame, 1968. Major subject: Economics.
- †Miss Tai-Shuen Margaret Wang, Taipei, Taiwan B.A., National Taiwan University, 1969. Major subject: Economics.
- James Robert Weed, Calgary, Alberta, Canada B.S., University of Alberta, 1958; B.E., ibid., 1959. Major subject: Education.
- Gary Hunt Westhausen, St. Paul, Minnesota B.A., University of Minnesota, 1956. Major subject: History.
- †Miss Siok-Hue Go Yu, Cebu City, Cebu, Philippines B.A., University of San Carlos, Cebu City, 1968. Major subject: Sociology and Anthropology. Dissertation: Achievement Motivation, Group Orientation, and Social Structure in Taiwan: A Critical Analysis of McClelland's Theory.
- †Miss Yei-chou Betty Zang, Taipei, Taiwan B.A., National Taiwan University, 1969. Major subject: Economics.
- The Degree of Master of Theology on:
- Thomas Martin Gorski, Congregation of Holy Cross, Toledo, Ohio B.A., University of Notre Dame, 1967.
- John Peter Imler, Fort Wayne, Indiana B.A., Loyola University (Illinois), 1968.
- Thomas Joseph Jones, Congregation of Holy Cross, Washington, D.C. B.A., University of Notre Dame, 1968.
- Dennis Joseph O'Hare, Congregation of Holy Cross, Highland Park, New Jersey B.A., University of Notre Dame, 1968.
- John H. Pearson, Congregation of Holy Cross, Blue Island, Illinois B.A., University of Notre Dame, 1968.
- †Wilfred Joseph Raymond, Congregation of Holy Cross, Notre Dame, Indiana A.B., Stonehill College, 1967.
- †Rev. James Edwin Schwartz, Congregation of Holy Cross, Dubuque, Iowa B.A., University of Notre Dame, 1967.
- Rev. Richard E. Stout, Congregation of Holy Cross, Orlando, Florida B.A., University of Notre Dame, 1967; M.A., ibid., 1969.
- Vincent Anthony Taliercio, Hoboken, New Jersey B.A., Don Bosco College, 1965.
- Thomas Kenneth Zurcher, Congregation of Holy Cross, Notre Dame, Indiana B.A., University of Notre Dame, 1968.

The Degree of Master of Fine Arts on:

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David Jackson Ripley, Emmet, North Dakota B.A., University of North Dakota, 1969; M.A., University of Notre Dame, 1970.

Mrs. Harriett Rex Smith, Valparaiso, Indiana B.F.A., Art School of John Herron Art Institute, 1968.

Robert Wayne Stowers, Milwaukee, Wisconsin B.A., Michigan State University, 1969; M.A., University of Notre Dame, 1970.

Robert Garrison Venn, Grand Rapids, Michigan B.A., Dominican College, 1966.

The Degree of Master of Music on:
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B.M., Webster College, 1969.

The Degree of Master of Science on:

Mrs. Cheryl Schulz Adolphson, Mankato, Minnesota B.A., Valparaiso University, 1967. Major subject: Chemistry.

John Michael Adolphson, Red Wing, Minnesota B.A., Valparaiso University, 1967. Major subject: Mathematics.

John Floyd Allen, Garden Grove, California B.S., Long Beach State College, 1964. Major subject: Mathematics.

Armando Aramayo, Lima, Peru Ingeniero Civil, Univ. Catolica del Peru, 1965. Major subject: Mathematics

Paul Edward Argyelan, South Bend, Indiana B.S., Indiana University, 1969. Major subject: Chemistry

Michael Dennis Ashby, Medford and Klamath Falls, Oregon B.S., Southern Oregon College, 1967. Major subject: Mathematics.

Lynn Alan Bakker, New Carlisle, Indiana B.S., Eastern Michigan University, 1969. Major subject: Chemistry.

William Russell Belding, Wellington, New Zealand B.Sc.(Hons.), Victoria University of Wellington, 1967. Major subject: Mathematics.

Ewing Bradford Belt, Notre Dame, Indiana B.A., Southern Illinois University, 1968. Major subject: Mathematics.

†Victor Joseph Bierman, Junior, Philadelphia, Pennsylvania A.B., Villanova University, 1966. Major subject: Physics.

Charles Edward Brinker, Billings, Oklahoma B.S., Oklahoma State University, 1962. Major subject: Mathematics.

- Mrs. Joan Smith Carter, Union, Michigan B.A., Goshen College, 1968. Major subject: Biology.
- Lawrence Anthony Cascino, Rochester, New York B.S., St. John Fisher College, 1969. Major subject: Chemistry.
- Gerald Paul Challender, Trenton, New Jersey B.A., Trenton State College, 1967. Major subject: Mathematics.
- Miss Marilyn Jane Chrzan, South Bend, Indiana B.S., St. Mary's College (Indiana), 1967. Major subject: Microbiology. Dissertation: The Semiqualitative Selection and Differentiation, the Quantitation, and the Elimination of *Pseudomonas aeruginosa* from the Intestinal Tract of Mice.
- †Sister Kay Irene Chloupek, Religious Sisters of Mercy, Baltimore, Maryland A.B., Mount St. Agnes College, 1963. Major subject: Physics.
- Miss Mary Catherine Collet, Indianapolis, Indiana B.S., St. Mary's College (Indiana), 1970. Major subject: Mathematics.
- †Joseph Vincent DePinto, Oak Park, Illinois B.A., Miami University (Ohio), 1967. Major subject: Physics.
- Marlin Lee DeWeerdt, Dubuque, Iowa B.A., University of Northern Iowa, 1964. Major subject: Mathematics.
- John Allen Donatell, Spooner, Wisconsin B.S., Wisconsin State University, LaCrosse, 1969. Major subject: Chemistry.
- Mrs. Katherine Elizabeth (Hoegen) Dooley, Hyattsville, Maryland B.A., Trinity College (Washington, D. C.), 1967. Major subject: Chemistry.
- William Michael Dooley, Jersey City, New Jersey B.S., St. Peter's College, 1969. Major subject: Chemistry.
- Jerome Curtis Fibelstad, Joice, Iowa B.S., Concordia Teachers College (Nebraska), 1965. Major subject: Mathematics.
- Thomas Fred Finke, Cincinnati, Ohio

 B.S., Xavier University (Ohio), 1969. Major subject: Mathematics.
- †Joseph Anthony Gallian, Arnold, Pennsylvania B.A., Slippery Rock State College (Pennsylvania), 1966; M.A., University of Kansas, 1968. Major subject: Mathematics.
- John Alfred Gaudet, Fitchburgh, Massachusetts A.B., College of the Holy Cross, 1969. Major subject: Physics.
- †Miss Elizabeth Anne Haley, San Mateo, California B.S., St. Mary's College (Indiana), 1966. Major subject: Chemistry. Dissertation: The Biosynthesis of Phosphorylated Mannan in Hansenula Holstii.
- †Mrs. Mary Wixted Hall, South Bend, Indiana B.S., St. Mary's College (Indiana), 1966; M.A.T., University of Notre Dame, 1968. Major subject: Chemistry.
- Robert Francis Hamburger, Ocean City, New Jersey B.S., Villanova University, 1969. Major subject: Chemistry.
- William George Hulstrom, Ironwood, Michigan B.S., Northern Michigan University, 1966. Major subject: Mathematics.
- David Gene Kistler, Kokomo, Indiana B.S., Manchester College, 1967. Major subject: Mathematics.
- Sister Bonita Louise Labosky, Religious Sisters of Mercy, Erie, Pennsylvania B.A., Mercyhurst College, 1969. Major subject: Mathematics.

- Thomas Joseph Lada, New Britain, Connecticut B.A., College of the Holy Cross, 1968. Major subject: Mathematics.
- †Joseph Michael McDonough, Haskell, New Jersey A.B., Boston College, 1969. Major subject: Mathematics.
- Daniel Riley McGreevy, Junior, Saugus, California
 B.S., Stanford University, 1964; M.A., San Fernando Valley State College, 1969.
 Major subject: Mathematics.
- Hugo A. Medina, Huaras, Ancash, Peru B.Sc.E.E., Universidad Catolica de Valparaiso, Chile, 1965. Major subject: Physics.
- Miss Martha A. Morales, St. Louis, Missouri B.S., Notre Dame College (Missouri), 1966. Major subject: Mathematics.
- Daniel E. Nestor, Waukesha, Wisconsin B.S., Wisconsin State College, River Falls, 1966. Major subject: Mathematics.
- †Thomas Charles Quinn, Larchmont, New York B.S., University of Notre Dame, 1969. Major subject: Biology. Dissertation: Phenogenetics of the Homeotic Mutant Proboscipedia in Aedes albopictus (Skuse) (Diptera:Culicidae).
- †Carl Peter Rathjen, New York City, New York B.S., Manhattan College, 1966. Major subject: Chemistry.
- Thomas Michael Rhodes, Jackson, Ohio B.S., Rio Grande College, 1967. Major subject: Mathematics.
- Miss Susan Marie Rzepnicki, South Bend, Indiana B.S., St. Mary's College (Indiana), 1970. Major subject: Mathematics.
- †James Joseph Simpson, Worcester, Massachusetts B.A., College of the Holy Cross, 1968. Major subject: Physics.
- Miss Marguerite T. Slyne, Boston, Massachusetts
 A.B., Emmanuel College (Massachusetts), 1962. Major subject: Mathematics.
- †Leonard Melville Smiley, Flushing, New York A.B., Boston College, 1967. Major subject: Mathematics.
- Mrs. Reta Hall Smothers, Huntingdon, Tennessee B.S., Middle Tennessee State College, 1966. Major subject: Mathematics.
- †John Peter Sokol, Naperville, Illinois B.S., St. Procopius College, 1966. Major subject: Physics.
- Dennis Joseph Strecker, Preston, Nebraska B.S., Northwest Missouri State College, 1967. Major subject: Mathematics.
- Gerald Joseph Thoma, Jesup, Iowa B.S., Loras College, 1969. Major subject: Chemistry.
- Catrinus Andrew Tjeerdsma, South Bend, Indiana A.B., Calvin College, 1960. Major subject: Mathematics.
- †Chia-chi Tung, Taipei, Taiwan B.S., National Taiwan University, 1967. Major subject: Mathematics.
- Sidney Michael Webb, Memphis, Tennessee B.S., Southwestern at Memphis, 1969. Major subject: Mathematics.
- Mrs. Linda Sue Weissinger, Wapakoneta, Ohio B.S., Ohio State University, 1969. Major subject: Mathematics.
- Miss Cecilia Elizabeth Wilson, River Forest, Illinois B.A., Rosary College, 1964. Major subject: Mathematics.

Michael Bruce Woods, Fullerton, California
 B.A., Eastern Michigan College, 1962; M.A.T., Michigan State University, 1963.
 Major subject: Mathematics.

The Degree of Master of Science in Aerospace Engineering on:

†Arthur Edward Fanning, Norristown, Pennsylvania B.S.A.E., University of Notre Dame, 1969. Dissertation: A Numerical and Experimental Investigation of the Oscillating Flow in the Wake of a Blunt Based Body.

David Kevin Stadtherr, South Bend, Indiana B.S.A.E., University of Notre Dame, 1969. Dissertation: Turbulent Effects on a Meteorological Vane and Auto-Rotation Characteristics of a Cylindrical Configuration.

Murray Miner Staples, South Bend, Indiana A.B., University of Missouri, 1939; B.S.A.E., United States Naval Postgraduate School, 1963.

The Degree of Master of Science in Chemical Engineering on:

†Richard Kou-Tung Chang, Taipei, Taiwan, Free China B.S., Case Institute of Technology, 1970.

†Walter Elliott Goldstein, South Bend, Indiana B.S., Illinois Institute of Technology, 1961.

Robert Preston James, Louisville, Kentucky B.Ch.E., University of Louisville, 1970.

Thomas David Kaminski, Youngstown, Ohio B.S.Ch.Eg., University of Notre Dame, 1970.

Baha Yacob Zarah, Baghdad, Iraq B.S., University of London, 1966.

The Degree of Master of Science in Civil Engineering on:

Jong In Choe, South Bend, Indiana
B.S.E., Seoul National University. Dissertation: Effects of Domestic Pollution
Abatement on a Eutrophic Lake.

†Richard Lee Hansen, Omaha, Nebraska B.S.C.E., University of Notre Dame, 1968. Dissertation: Chemical Conditioning of Biological Sludges to Enhance Pipeline Transport.

Stamatis John Tsoukaris, Piraeus, Greece National Technical University of Athens, 1964-68.

†Charles Martin Mattei, Avoca, Pennsylvania B.S.C.E., University of Notre Dame, 1968. Dissertation: Combined Ammonia Phosphate Removal on Wastewater Treatment.

The Degree of Master of Science in Electrical Engineering on:

Frederick Harry Burrows, Logansport, Indiana B.S.E.E., Valparaiso University, 1968. Dissertation: A Viskovatov Technique for Rational Approximation of Probability Density Functions.

†Toma Ivan Cakulev, Notre Dame, Indiana Electrotechnical Engineer, University of Belgrade, 1957.

Jian Kong Chang, Singapore B.S.E.E., University of Missouri, 1967; M.S., ibid., 1968.

- Michael Joseph Kroeger, Cincinnati, Ohio B.S.E.E., University of Notre Dame, 1969.
- Miss Marie Veronica Maguire, Philadelphia, Pennsylvania B.E., Villanova University, 1969.
- Gregory Carl Ranieri, Tenafly, New Jersey
 B.S.E.E., University of Notre Dame, 1969. Dissertation: Linear and Nonlinear Digital Processing of Noisy Signals.
- †Giovanni Maria Secco-Suardo, Roma, Italy Laura in Ingegneria Elettronica, Universita Degli Studi Roma, 1967. Dissertation: Optimal Receivers for Doppler Channels.
- †James Joseph Timons, Boston, Massachusetts B.S.Engr.Sci., University of Notre Dame, 1965.

The Degree of Master of Science in Environic Design on:

Frank Genzer, Junior, South Houston, Texas B.S. in Arch. Studies, University of Texas, 1967; B.Arch., ibid., 1968. Dissertation: Littoral Implications for Urban and Regional Design.

Larry Claude Porter, South Bend, Indiana B.Arch., University of Nebraska, 1965. Dissertation: Recreation in Urban Open Space.

The Degree of Master of Science in Mechanical Engineering on:

†Michael Arthur Mungiole, Philadelphia, Pennsylvania B.S., Drexel Institute of Technology, 1969.

Frank John Tinus, East Paterson, New Jersey
B.S.M.E., University of Notre Dame, 1969. Dissertation: Combined Free and
Forced Convective Heat Transfer Associated With the Laminar Flow of Water
Through a Horizontal Tube with Uniform Heat Flux.

The Degree of Master of Science in Metallurgical Engineering and Materials Science on:

Om Parkash Gupta, Pathankot, Punjab, India B.S., Panjab University, 1967.

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Amarendra Mishra, Kharagpur, India B.T., Indian Institute of Technology (Kharagpur), 1969.

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- The Degree of Juris Doctor on:
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- James Corwin Aranda, Park Ridge, Illinois A.B., Xavier University, Cincinnati, Ohio, 1968.
- Everett John Athens, Jr., Tulsa, Oklahoma B.A., University of Virginia, 1968.
- Joseph James Beisenstein, Menasha, Wisconsin B.A., Loras College, 1968.
- Stephen Anthony Boone, Memphis, Tennessee B.S., St. Benedict's College, 1963.
- David Anthony Bornhorst, Piqua, Ohio B.A., The Citadel, 1968.
- Lawrence Reginald Borowiecki, Chicago, Illinois B.A., St. Mary's College (Minn.).
- Richard Orion Bovey, Oak Lawn, Illinois A.B., Upper Iowa College, 1967.
- Timothy John Brandt, Fort Thomas, Kentucky B.A., Villa Madonna College, 1968.
- Michael William Brennan, Sycamore, Illinois B.B.A., University of Notre Dame, 1968.
- Edwin Thomas Broderick, Mount Vernon, New York A.B., University of Notre Dame, 1968.
- John Michael Burman, West Palm Beach, Florida B.A., University of Notre Dame, 1968.
- Thomas Robert Burns, Tonawanda, New York B.B.A., Ohio University, 1968.
- Henry Gregory Ciocca, West Seneca, New York B.A., Canisius College, 1968.
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- Russell Mark Cottrell, Neptune City, New Jersey B.A., Monmouth College, 1968.
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- John Joseph Dawson, Binghamton, New York B.A., Siena College, 1968.
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- Gerald Patrick Duff, Haverhill, Massachusetts B.A., Merrimack College, 1968.
- Michael John Duff, York, Pennsylvania B.B.A., University of Notre Dame, 1968.

- Edward Bryan Dunigan III, Oak Park, Illinois B.A., University of Notre Dame, 1968.
- James Thomas Dunn, Jr., Stamford, Connecticut B.S., Boston College, 1968.
- James William Fagan, Sylmar, California B.A., University of Southern California, 1963.
- Maurice Thomas FitzMaurice, Waterbury, Connecticut B.S., University of Connecticut, 1967.
- James Bernard Flickinger, Traverse City, Michigan A.B., Aquinas College, 1968.
- Robert George Frie, Rochester, Minnesota B.A., St. Mary's College (Minn.), 1968.
- James Arthur Frusciante, Sterling Heights, Michigan B.A., Fordham College, 1968.
- Rudolph Joseph Gerber, St. Louis, Missouri B.A., St. Louis University, 1962; M.A. & P.H.L., 1963; M.A., Columbia University, 1964; Ph.D., Louvain University (Belgium), 1966.
- Vincent Raymond Ginestre, North Tonawanda, New York B.A., New York University at Buffalo, 1968.
- Gary William Gottschlich, Dayton, Ohio B.S., Dayton University, 1968.
- Gerald George Grieman, St. Paul, Minnesota B.A., College of St. Thomas, 1968.
- Joseph Michael Heaton, Seneca, Illinois B.A., University of Notre Dame, 1968.
- Robert Edmund Helm, Coatesville, Pennsylvania B.S., West Chester State College, 1968.
- Harry Leonard Henning, Jr., Woodbine, Georgia B.B.A., University of Notre Dame, 1960.
- Kenneth Henry Hoch, Buffalo, New York A.B., Canisius College, 1968.
- Peter Joseph Hoegen, Jr., Teaneck, New Jersey B.A., University of Maryland, 1965.
- Benjamin Joseph Hocy, Cheektowaga, New York B.S., St. Bonaventure University, 1968.
- John Lester Holgerson, Taunton, Massachusetts B.A., University of Notre Dame, 1969.
- Michael Anthony Izzo, Manhasset, New York B.A., University of Notre Dame, 1969.
- Dennis Patrick Kelly, Summit, New Jersey B.B.A., University of Notre Dame, 1968.
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- Fred Kuhar, Wickliffe, Ohio B.S.-B.A., John Carroll University, 1968.
- Steven Arthur Kurowski, Gary, Indiana B.A., University of Notre Dame, 1968.

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- Raymond Edward Lambert, Warwick, Rhode Island B.A., Providence College, 1967.
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- Theodore John Leo, Nutley, New Jersey B.S., Providence College, 1968.
- David Bernard Levendusky, DuBois, Pennsylvania B.A., University of Dayton, 1968.
- George L. Lind, Stratford, Connecticut B.S., University of Bridgeport, 1968.
- Robert Michael Liwacz, Trenton, New Jersey B.A., LaSalle College, 1968.
- Timothy Patrick McCarthy, Kenmore, New York B.S., Indiana State University, 1968.
- Kathleen McFarland, Lynnfield, Massachusetts B.A., Regis College, 1968.
- Thomas Joseph McGoldrick, Philadelphia, Pennsylvania B.A., LaSalle College, 1968.
- Frederick John McGrath, Lynn, Massachusetts B.S., Boston College, 1968.
- John Robert McMenamin, Deerfield, Illinois B.A., University of Notre Dame, 1968.
- Robert W. Merkle, Jr., Brandywine, Maryland B.A., University of Notre Dame, 1968.
- Howard John Moore, Dayton, Ohio B.S., University of Dayton, 1968.
- David Lester Naylor, Glens Falls, New York B.A., Siena College, 1968.
- Joseph Richard Pagano, Washington, New Jersey B.S., University of Dayton, 1968.
- John Henry Peddycord, North Liberty, Indiana A.B., Ball State University, 1967.
- John Samuel Rakitan, Chicago, Illinois B.S., Northern Illinois University, 1967; M.B.A., Northern Illinois University, 1968.
- David George Richards, Dallas, Texas B.S.M.E., University of Notre Dame, 1967.
- James Frederick Rittinger, Poughkeepsie, New York B.A., St. Bonaventure University, 1968.
- Michael Edward Roanhouse, Burlington, Wisconsin B.A., College of St. Thomas, 1968.
- Robert George Salatka, Portland, Oregon B.B.A., University of Portland, 1966.
- Robert Bernard Schlather, Elyria, Ohio A.B., St. Vincent College, 1968.
- Michael Peter Scopelitis, East Northport, New York B.A., Niagara University, 1968.

- Raphael Francis Scotto, Brooklyn, New York B.A., St. Francis College, 1968.
- Mark Simpson, Edgewood, Kentucky B.A., University of Notre Dame, 1968.
- William Arthur Smoley, Sartell, Minnesota A.B., St. John's University (Minn.), 1968.
- James Arthur Sommerness, St. Paul, Minnesota B.A., St. John's University (Minn.), 1967.
- Louis Anthony Stahl, Wheeling, West Virginia B.A., Wheeling College, 1962.
- Stephen Vasak, Jr., East Paterson, New Jersey B.S., Pennsylvania Military College, 1968.
- Nelson Joseph Vogel, Jr., South Bend, Indiana B.S., Miami University (Ohio), 1968.
- David Robert Wall, Hillsdale, New Jersey A.B., St. Peter's College, 1968.
- Mark Timothy Ward, Paducah, Kentucky B.A., University of Notre Dame, 1968.
- Peter Guthrie Weisenberger, Rice Lake, Wisconsin B.A., College of St. Thomas, 1968.
- Timothy Charles Westfall, Phoenix, Arizona B.S., B.A., Arizona State University, 1968.
- Michael Maurice Yoder, Topeka, Indiana B.S., Ball State University, 1968.

THE COLLEGE OF ARTS AND LETTERS

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Stephen Francis Ahern, Akron, Ohio

Francis LeRoy Aires III, Colorado Springs, Colorado

John Thomas Amato, Norwalk, Ohio

Richard Allan Andre, DuPont, Washington

Donald Sidney Arbour (With Honors), Baton Rouge, Louisiana

Thomas Patrick Ash (With High Honors), Worcester, Massachusetts

Michael Joseph Ayuso, Grand Rapids, Michigan

William Frederick Baader, Springfield, Ohio David Charles Bach (With Honors), Clinton, Iowa

Christopher Martin Bache (With High Honors), St. Petersburg, Florida

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Bruce R. Bacia, C.S.C., Notre Dame, Indiana

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†Robert William Bajandas, Louisville, Kentucky

Aaron John Baker, Cleveland, Ohio

†James Thomas Baker, Uxbridge, Massachusetts

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New Jersey Christopher John Bale, Glen Rock, New Jersey

Christian David Ballman, Highland Heights, Ohio

†James Joseph Bambrick, Lemont, Illinois

Michael Joseph Bankowski, Riverside, Illinois

†Charles Edward Barber, Johnston, Rhode Island

John Edward Barilich, South Bend, Indiana

Dennis Paul Barnes, Logansport, Indiana

Robin Ernest Barteletti, Mountain View, California

Robert Macdonald Bassett, Clarendon Hills, Illinois

Robert Joseph Battaglia, Clarence, New York

Bradford Peter Bauer (With Honors), Syracuse, Indiana

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Andrew Paul Bissonnette, Kankakee, Illinois

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James Frederick Blainey, Markham, Ontario

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Richard James Hunter (With High Honors), Belmar, New Jersey

Robert Cohane Hurley, Rumford, Rhode Island

Brian Patrick Hutchens, Newport News, Virginia

Frederick Kenneth Ickes, Poughkeepsie, New York

Richard James Intlekofer, Newbury Park, California

John Henry Isaacs, Jr. (With Honors), Wilmette, Illinois

Kenneth Dean Israel, Jr. (With Honors), Dayton, Ohio

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Anthony Francis Jeselnik (With High Honors), Renovo, Pennsylvania

David M. Johnson, St. Louis, Missouri

David Michael Johnson, Riverdale, Illinois

Douglas Stephen Johnson, South Bend, Indiana

Ronald Glenn Johnson, Seattle, Washington

James Collis Jones, Washington, D.C.

Glenn Ross Kalin, Des Plaines, Illinois

Terrence Stephan Kaminsky, Whiting, Indiana

Gerard Joseph Kammer, Baltimore, Maryland

Richard Norman Kappler, Bethel Park, Pennsylvania

Paul Higgins Keating, Lyndhurst, Ohio

John Richard Keegan (With High Honors), Rochester, New York

Michael Francis Kelleher (With Highest Honors), Scotia, New York

†John Golden Kelley, Camp Hill, Pennsylvania

Terrence Patrick Kelly, Akron, Ohio

Russell George Kempiners, Jr. (With Honors), Naperville, Illinois

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James Charles Kennedy, Youngstown, Ohio

Kevin Joseph Kennedy (With High Honors), New Hampton, Iowa

Patrick F. Kennedy (With High Honors), Maple Park, Illinois Terrence Francis Kennedy (With Honors), Chicago, Illinois

Timothy George Kennedy, Sherman, Connecticut

Daniel Gerard Kenny (With Honors), Tucson, Arizona

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Timothy John Kigin, Tempe, Arizona

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Murray Alan Kloberdanz, Osage, Iowa
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Matthew Clifford St. George, Jr. (With Honors), Cupertino, Cali-

Norman Burton St. Laurent, Burlington, Vermont Joseph Edward St. Onge, Bernardsville, New Jersey Paul Gregory Salmon, Middletown, Connecticut Jack Joseph Samar, Jr., Gary, Indiana

Edmund James Scanlan, Chicago, Illinois Lawrence Robert Scanlon, Jr., Kingston, New York John Louis Schaefer (With Honors), Garden City, New York Joseph William Schappert (With Honors), Babylon, New York Mark Alan Scheidler, Indianapolis, Indiana Timothy Peter Schimberg, Cedar Rapids, Iowa Stuart John Schippereit (With Honors), Columbus, Ohio Peter James Schivarelli, Chicago, Illinois David Raymond Schmidt, Willow Grove, Pennsylvania Ronald Joseph Schmitz (With High Honors), Cleveland, Ohio Gerard Joseph Schulte, Birmingham, Michigan Michael Francis Scott, Oakdale, Pennsylvania Paul Charles Scott, Rochester, New York Mark Shaw Seeberg, Northfield, Illinois †Mitchell Francis Shaker, Niles, Ohio Peter Thomas Shalvoy, Birmingham, Michigan Dennis Michael Shanahan, Columbus, Ohio Michael Patrick Shaughnessy, San Francisco, California Daniel Michael Shaw, Saginaw, Michigan James Allen Sheahan, Bellevue Washington Edward Stewart Sheehy, Lake Bluff, Illinois John Joseph Shiel, Jr., Decatur, Illinois Michael James Shields, Fort Wayne, Indiana Terrence Ronald Shields, Munhall, Pennsylvania Gary Paul Shirkey, Owego, New York James A. Shoemaker (With Honors), Scarsdale, New York Thomas Hugh Shriver, Oceanport, New Jersey Timothy John Sigrist, Altoona, Pennsylvania Lloyd William Simms, St. Michael, Minnesota Joseph Anthony Simpson, Silver Spring, Maryland Thomas Francis Sinnott, Elizabeth, New Jersey John F. Sinnwell, C.S.C., Notre Dame, Indiana Martin Patrick Siravo, Warwick, Rhode Island Mark John Skakun, Canton, Ohio Joseph Richard Skelton, Coshocton, Ohio Mark A. Skrabacz, Midland, Texas Michael Peter Slack, Medina, New York Stephen David Slatt, Spokane, Washington Charles Edward Sliter (With Honors), Bellevue, Ohio Glenn Lawrence Smerillo (With High Honors), Bethlehem, Pennsylvania Charles Le Roy Smith, Rockwell, Iowa Gregory Hugh Smith, Dayton, Ohio Joseph Stephen Smith, W. Caldwell, New Jersey Robert Orrin Smith, Syracuse, Indiana Ronald Smith (With Honors), Deerfield, Illinois Stuart Douglas Smith, Cambridge, Wisconsin

Charles Le Roy Smith, Rockwell, Iowa
Gregory Hugh Smith, Dayton, Ohio
Joseph Stephen Smith, W. Caldwell, New Jersey
Robert Orrin Smith, Syracuse, Indiana
Ronald Smith (With Honors), Deerfield, Illinois
Stuart Douglas Smith, Cambridge, Wisconsin
Charles Robert Snakard, Fort Worth, Texas
Richard Andrew Sokerka, Clifton, New Jersey
Timothy Cooper Souhrada, St. Louis, Missouri
Ronald Thomas Spann, Chicago, Illinois
George Robert Stanis, Melrose Park, Illinois
†Thomas Carl Starrs, Grosse Pointe Park, Michigan
David Edwin Stauffer (With Honors), Williamstown, West Virginia
Fred Carl Stavins, Jr., Chicago, Illinois
George Kenneth Steil, Jr., Janesville, Wisconsin
Lynn Edward Stengel, Illiopolis, Illinois

Mark Thomas Stephens (With Highest Honors), Shawnee Mission, Paul Jerome Anderson Stewart, Coral Gables, Florida David Ford Stickler (With High Honors), LaCrosse, Wisconsin Gary Joseph Stofik, Iselin, New Jersey †Michael Joseph Strenski, Eau Claire, Wisconsin John Clifford Stupp (With High Honors), Westlake, Ohio Thomas Joseph Suddes, Springfield, Illinois Dennis Anthony Sujdak, Des Plaines, Illinois Robert Henry Sullivan, Jr., Santa Ana, California Thomas Patrick Sullivan (With Highest Honors), Sterling, Illinois Timothy Aloysius Sullivan, Maple Glen, Pennsylvania Benjamin Seibert Swanson, Red Oak, Iowa †Leonard Francis Swoyer, Westlake, Ohio John W. Sweeny, Jr., Goshen, New York Harold Joseph Taegel, Kansas City, Missouri Nicholas Anthony Talarico (With High Honors), Chicago, Illinois John Thomas Tatu, Palmyra, New Jersey Joseph Robert Theismann, South River, New Jersey John Dennis Thornton, Waterloo, Iowa Thomas Scott Thrasher, Rochester, New York Thomas Edward Thurber, Salem, Ohio Joseph Francis Tigani III, Wilmington, Delaware John Leonard Tobin, Barrington, Rhode Island Paul Robert Toland, Havertown, Pennsylvania John Paul Tolson, Salem, Ohio Lorin James Tomaszewski, Oak Lawn, Illinois David Owen Toolan (With Highest Honors), River Forest, Illinois Stephen Theodore Topor, Jr., North Muskegon, Michigan Robert Lawrence Torrisi, Mount Vernon, New York Patrick William Tracy (With High Honors), Painesville, Ohio Thomas Coady Trantina, Danville, California Timothy Gerard Tremblay, Middletown, Rhode Island Michael John Trombello, Lafayette, Indiana William F. Tuerk, Peoria, Illinois David T. Tyson, C.S.C., Notre Dame, Indiana Carl Richard Valentino, Atlanta, Georgia Thomas Alain Vasoli, Glenside, Pennsylvania Charles John Vater (With Highest Honors), McKees Rocks, Pennsylvania † José Luis Vila, Caguas, Puerto Rico Daniel Charles Voglewede, Mexico 10, D. F. Michael Charles VonderBrink (With Honors), Cincinnati, Ohio Paul Joseph Waddy, Hagerstown, Maryland James William Wagenbach, Golden, Colorado James Alan Wagner, Cincinnati, Ohio Mark Moonan Walbran, Owatonna, Minnesota Brian Thomas Wall (With Honors), Nashua, New Hampshire Ronald Alan Walro (With High Honors), Hammond, Indiana Kenneth Paul Walsh, Albany, Indiana Douglas Paul Ward, Peoria, Illinois †Richard Michael Waugh, Affton, Missouri †James David Welsh (With Honors), Doylestown, Pennsylvania A. William Werner (With Honors), St. Marys, Pennsylvania

James Frederick Werner, Little Rock, Arkansas Thomas Francis Werring, Massapequa, New York Stephen Worthington Whalen, Jr., Ellicott City, Maryland Timothy Thomas Whalen, Cincinnati, Ohio John Francis Whitaker, West Hartford, Connecticut George MacDonald White, Anderson, Indiana Kevan Wifvat, Perry, Iowa Craig Foster Williams, Ft. Thomas, Kentucky Walter Clarence Williams, Jr., Richmond, Virginia John Patrick Wiltz, Peoria, Illinois Mark E. Winings, Elwood, Indiana Philip Braun Winterfield, West Lafayette, Indiana James D. Witchger, Indianapolis, Indiana Philip James Wittliff, Port Huron, Michigan Richard Charles Wohlhuter, St. Charles, Illinois Christopher Wolfe (With Highest Honors), Newburgh, New York John David Worland, Jr. (With High Honors), Columbus, Ohio James Reid Wright, Sparta, New Jersey Marvin Albert Wurzer, Carroll, Iowa Brother Thaddeus Wycliff, C.F.P. (With High Honors), Cincinnati, Ohio James Arthur Yale, Falls Church, Virginia John Gregory Yording, Jacksonville, Illinois Herbert Charles Yost, C.S.C., Notre Dame, Indiana †John T. Young, Jr., Suffield, Connecticut John Anthony Yurko, Valencia, Pennsylvania Michael Eugene Zakaras (With High Honors), Palos Park, Illinois Joseph R. Zarantonello (With High Honors), Homewood, Illinois Daniel Valentine Zawada (With High Honors), Hammond, Indiana Thaddeus Francis Zawadski, Seven Hills, Ohio Carl Paul Zeithaml, Cleveland, Ohio Brian Leo Patrick Zevnik (With Honors), West Nyack, New York John Maurice Zilly, Turnersville, New Jersey Mark Edwin Zimmerman (With Honors), Winneconne, Wisconsin Thomas Joseph Zinser, Cincinnati, Ohio John Leonard Zipprich II (With Honors), Port Neches, Texas Charles Richard Zloch, Ft. Lauderdale, Florida Stephen Thomas Zon, Greenfield, Massachusetts John A. Zukaitis, Omaha, Nebraska

The Degree of Bachelor of Fine Arts on:
William James Bonner, Jr., Coraopolis, Pennsylvania
Zack Lee Brown (With Honors), Boston, Massachusetts
Joseph Leonard Cashore, Conshohocken, Pennsylvania
Paul Leo Jalbert, Manchester, New Hampshire
John Thomas Kelly, Terre Haute, Indiana
Dan Mitchell Molidor, LaGrange, Illinois
Sean Patrick Roherty, Williamsburg, Virginia
Mark A. Ruggie, Park Ridge, Illinois
Gregory Anthony George Wolff, Park Forest, Illinois

THE COLLEGE OF SCIENCE

The Degree of Bachelor of Science on: Robert Joseph Ackerman (With High Honors), Cedar Grove, New Jersey Michael Eugene Alford (With Honors), Mishawaka, Indiana Derrick Lee Ames, Baltimore, Maryland Manuel Eugene Bailey (With Honors), Louisville, Kentucky Patrick John Bannon, Washington, D.C. John Ray Barkmeier, Hampton, Iowa Brent J. Barnes, Pontiac, Michigan Robert William Barnhorn (With Honors), Cincinnati, Ohio Peter Anthony Bartlo, Hudson, Ohio David Charles Beckett, Cincinnati, Ohio Robert Elliot Beczkiewicz, South Bend, Indiana †Gordon Robert Bell, Waite Hill, Ohio Francis Xavier Bellini, Somerville, Massachusetts Gerard Thomas Berry, Philadelphia, Pennsylvania Thomas Dennis Bica, Salem, Ohio Francis Paul Bossu (With Honors), Maple Heights, Ohio William Michael Brennan, Downers Grove, Illinois Timothy James Bresnahan (With Honors), Skokie, Illinois Barry John Brinkman (With Honors), Worthington, Ohio Brother Paul Joel Brown, C.S.C., Notre Dame, Indiana John Martin Van Buren Buchanan, Jr., Washington, D.C. Ernest Sante Carducci (With Honors), Steubenville, Ohio C. Patrick Carroll, Jr., Dayton, Ohio Ricardo Chapa, Laredo, Texas Nicholas J. Cheper, Larchmont, New York Miles M. Coburn, Cleveland, Ohio James A. Coffey, Dover, New Jersey John David Collins, Stanton, Nebraska Steven Michael Colman (With High Honors), Stamford, Connecticut Robert James Connolly, Libertyville, Illinois Clayland Frederick Cox, Yonkers, New York Michael Joseph Cox (With Honors), Hamilton, Ohio †Philip Terrence Coyle, New Westminster, British Columbia Donald Allan Crumb, Clinton, New York Richard Milton Dammel (With High Honors), Cincinnati, Ohio Howard Davidson (With Honors), Miami, Florida Frederick Marinus DeBoc, Jr., Hammond, Indiana Daniel Howard DeCelles, Jr. (With High Honors), San Antonio, Texas Hugh Daniel DePaolo, Casper, Wyoming Dennis Michael Destino, Rochester, New York Fred Toby DiLella, Rochester, New York Dennis Patrick Donovan, Columbus, Ohio Ronald Constantino Dorazio, New Rochelle, New York Anthony Francis Earley, Jr., Garden City, New York John Joseph Enyeart, Girard, Ohio James Alexander Escovitz, Pittsburgh, Pennsylvania David Clayton Evans, Holland, Massachusetts Herman Camillo Fala (With Highest Honors), Southampton, Pennsylvania Joseph Francis Faron, LaGrange, Illinois James Francis Farrell, Jr., Miami, Florida Michael Francis Felong (With High Honors), Taunton, Massachusetts Robert Eugene Fenzl (With Honors), Lockport, New York †Thomas Patrick Ferlic, Carroll, Iowa James Wayne Findling, Jr. (With High Honors), Daleville, Indiana Thomas Bartholomew Flanagan (With Highest Honors), Toledo, Ohio James Joseph Flannery, Orange, New Jersey William Hayden Fleming, Jr., West Hartford, Connecticut John Charles Foley, Cambridge, Minnesota Stephen Michael Fox (With High Honors), Trenton, New Jersey John Joseph Fremeau, Chelmsford, Massachusetts Nicholas John Furibondo, Hilton, New York James Michael Gagnier (With High Honors), Kensington, Maryland Robert Joseph Gelwicks, Cincinnati, Ohio †Louis Thomas Gidel, Jr. (With Highest Honors), Miami, Florida Thomas Patrick Gilligan, Pawcatuck, Connecticut Gerald Anthony Giurato (With High Honors), Canfield, Ohio William Francis Griffin, Hicksville, New York Harry Groth, II, Dearborn Heights, Michigan Thomas Guarnieri (With Highest Honors), Warren, Ohio Joseph George Hand, Winter Park, Florida Mark Douglas Hannahan (With Honors), Springfield, Ohio Thomas Joseph Hardy (With High Honors), Grand Rapids, Michigan William Joseph Hardy, Boonton, New Jersey Charles Edward Hart, Miller, South Dakota Robert Carl Hartmann, Jr., Nashville, Tennessee Louis Stephen Henefeld (With Honors), Miramar, Florida Karl Victor Heuer, Rochester, New York David Frederick Hoeschele III (With Honors), Norristown, Pennsylvania John George Hoffman III, Erie, Pennsylvania Thomas Carl Hogan, South Bend, Indiana William Bennett Holgerson, Taunton, Massachusetts David Albert Horvath, Warrendale, Pennsylvania Joseph Donald Huba (With High Honors), Peekskill, New York Michael John Huft (With Honors), Beulah, Michigan John Preston Hughes, Vestal, New York Charles Fenwick Jackson, Westfield, New York Morteza Jahangir, Lincolnwood, Illinois William James Jekot (With High Honors), Dearborn Heights, Mich-Matthew Francis Jodziewicz, Somerset, New Jersey †Paul Francis Jones (With High Honors), Rochester, New York Frank Juhant (With Honors), Cleveland, Ohio Joseph Leo Kahl (With Honors), Cleveland, Ohio Paul Albert Kaminskas (With Honors), Chicago, Illinois Michael Vincent Keefe, Weirton, West Virginia John Joseph Kennedy, Schenectady, New York Kim Alan Kennedy, Jackson, Michigan Thomas Sheridan Kenny, III, St. Louis, Missouri George Philip Kinstle, Mansfield, Ohio David James Klima (With High Honors), Westchester, Illinois James Marson Koberstein, Mequon, Wisconsin Stephen Nicholas Kogge, Silver Spring, Maryland John Philip Kuebler (With Highest Honors), Tiffin, Ohio Joseph Francis Lamendola, Pennington, New Jersey Leo Winfred Lane, Jr., Summerville, South Carolina Larry C. Lange, Allentown, Pennsylvania Robert Harry Latiff, Middlesboro, Kentucky Norman Dennis Leavens, Verona, New Jersey

Patrick Michael Lenahan, Lakewood, Ohio Stephen Edward Livingston (With Honors), Paducah, Kentucky Thomas J. Lynch, Framingham, Massachusetts Richard Thomas Magrini, Saddle Brook, New Jersey James Cleveland Maher III, Shaker Heights, Ohio Timothy James Mahoney, Devils Lake, North Dakota Thomas Michael Makielski, Rochester, New York William M. B. Maliszewski, Spring Lake, Michigan Ralph Francis Martino, Atlanta, Georgia Richard Bruce Mason, Farmingdale, New York Daniel John Mazanec (With Highest Honors), Parma, Ohio Dominic John Mazzarulli, Pennsauken, New Jersey Joseph Patrick McAneny, Philadelphia, Pennsylvania Michael Anthony McDermott, Santa Barbara, California Jessop Mark McDonnell, Olympia, Washington Timothy Gordon McGinn, Rochester, New York Niall Bernard McNelis (With Honors), Baltimore, Maryland †Robert Matthew Mecchella, Congers, New York Daniel J. Mechenbier, Greenville, Pennsylvania Carl Mehrbach (With High Honors), Playa del Rey, California James Joseph Miller (With Honors), Middleton, Wisconsin Patrick Francis Miller (With High Honors), Honolulu, Hawaii William Stewart Moylan, East Chicago, Indiana Joseph Charles Muhler II, Indianapolis, Indiana Michael Joseph Murphy III (With Honors), Manchester, New Hampshire Richard Francis Murphy, Newark, New Jersey Thomas Joseph Nasca (With High Honors), White Plains, New York Thomas Michael Nevens, Springfield, Illinois J. Stephen Noe, Toledo, Ohio Peter Damian Nordberg, Holden, Massachusetts Sean R. O'Brien, South Bend, Indiana Mark Anthony O'Donnell, Stamford, Connecticut Robert John Ogden, Garden City, New York Paul Joseph Okosky (With Highest Honors), Saratoga Springs, New York †Paul Peter Partyka, Philadelphia, Pennsylvania Robert Anthony Pastorok (With Honors), Bethel, Connecticut Iames Russell Patton, St. Louis, Missouri Donald Duane Peterson (With Highest Honors), Farmington, Michigan Thomas Lane Pfeifer, South River, New Jersey John M. Pleasants (With Honors), Granger, Indiana Matthew A. Priest, Rochester, New York Harrison Christopher Putman, Peoria Heights, Illinois Jack Lee Rainsberry (With High Honors), Montclair, California James Michael Renga (With Honors), Bloomfield, New Jersey Stephen John Ricci (With Highest Honors), Mequon, Wisconsin Jorge E. Rivera, Santurce, Puerto Rico William Joseph Rosanelli, West New York, New Jersey Daniel Harry Ryan (With Highest Honors), Pittsburgh, Pennsylvania Mark Ryan (With High Honors), Annapolis, Maryland Patrick M. Ryan, Lead, South Dakota Arthur Charles St. Andre (With Honors), Whippany, New Jersey Mark Andrew Sands, Midland, Michigan Ernest Joseph Santoro (With Honors), North Providence, Rhode Island

Ronald Joseph Saxen, Canton, Ohio G. Michael Schmits (With Honors), Cincinnati, Ohio David Warren Schweitzer (With High Honors), Schererville, Indiana †James Martin Schweitzer, Northwoods, Missouri Robert Joseph Shea, Oak Park, Illinois Robert John Shedlock (With High Honors), Columbus, Ohio Thomas Michael Shively, Owensboro, Kentucky Chris George Sicaras (With Honors), Columbus, Ohio John Robert Skopek, Manlius, New York James Robert Sullivan (With Honors), Haddonfield, New Jersey Robert Francis Swanson, Chicago, Illinois John Paul Szabo (With Highest Honors), Hudson, Ohio Randolph Eugene Szlabick, Niles, Michigan Peter Francis Szujewski, Chicago, Illinois Patrick Evans Tarpy, Shreveport, Louisiana George Nicholas Textor, St. Louis, Missouri John Muller Tietjen (With Highest Honors), Boise, Idaho Norbert Francis Toussaint, Jr., Skokie, Illinois Thomas Scott Truitt, Aiken, South Carolina Charles Aloysius Tulley III, Brandon, Florida Stephen John Tymcio, Middleburg Heights, Ohio Robert Charles Urbanic, Akron, Ohio Christopher Leandro Vaniglia, Cold Spring, Kentucky James Anthony Villier (With Highest Honors), Louisville, Kentucky Lawrence Eugene Vollmer, Upper St. Clair, Pennsylvania Paul John Wehrman, Cincinnati, Ohio Alfred Boyce Wettermark, Jr. (With Honors), Mobile, Alabama Joseph Paul Whitlatch (With High Honors), Columbus, Ohio Taffy James Williams, Concord, North Carolina Stanley Michael Wojcik, Carteret, New Jersey Michael Peter Wujciak, Newark, New Jersey Steven Koon Tung Yim, Kaneohe, Hawaii John Clement York (With High Honors), Little Rock, Arkansas Richard Allan Zakour, Laughlintown, Pennsylvania Thomas Arthur Zang, Jr. (With Highest Honors), Allison Park, Pennsylvania Stephen Scott Zumbo, Victor, New York

THE COLLEGE OF ENGINEERING

The Degree of Bachelor of Science in Aerospace Engineering on: Paul Conrad Archambeault (With High Honors), Massena, New York Frank Thomas Blaskovich (With Honors), Scottdale, Pennsylvania Terrence Patrick Brennan, Chicago, Illinois Lewis Doyle Brentano (With Honors), New Canaan, Connecticut John Ronald Condon, Bellerose, New York James Edward Coolahan, Jr. (With Highest Honors), Baltimore, Daniel Joseph Dell Orto, West Islip, New York Charles Clifton Dietrick, Murrysville, Pennsylvania James Murray Ersfeld, West St. Paul, Minnesota Fred Louis Galanga, New Philadelphia, Ohio Mark Galbraith (With High Honors), Glenview, Illinois Thomas Vincent Giel, Jr., Gibsonia, Pennsylvania James Frederick Gieselman, New Orleans, Louisiana Thomas Francis Homeyer, Camillus, New York Robert James Jensen (With Highest Honors), Racine, Wisconsin Thomas Andrew Kalman, Jamaica, New York Patrick Dennis McAdams, Mukwonago, Wisconsin Robert Joseph Moegle, St. Louis, Missouri Patrick J. O'Brien, Pawtucket, Rhode Island Daniel J. O'Leary, N. Syracuse, New York John Victor Platt, East Paterson, New Jersey Alexander Louis Ponzio, San Antonio, Texas Robert John Prendergast, Jr., Arnold, Nebraska Irvin Ray Ramsey, Los Angeles, California John Michael Reid, Summit, New Jersey James Harry Riley (With High Honors), Johnstown, Pennsylvania Charles Raymond Roberts, Jr., Lakeland, Florida Paul Francis Rutherford, Hyde Park, New York Thomas William Smith, Cuyahoga Falls, Ohio Albert C. Sustala, Houston, Texas Theodore Edward Targonski, Chicago, Illinois Joseph Herrmann Terharr, Greenville, Mississippi William Louis Toffler (With Honors), Arlington, Virginia William George Wich (With Honors), Holland, Michigan Thomas Michael Williams, Burgettstown, Pennsylvania William Bernard Zilli, Cincinnati, Ohio

The Degree of Bachelor of Architecture on:

Enver Azizi, San Juan, Puerto Rico
Robert William Bajandas, Louisville, Kentucky
William Dennis Beyer, Alexandria, Virginia
Richard J. Bono, Bronx, New York
Thomas J. Borger, Elkhart, Indiana
Scott William Braley, Indianapolis, Indiana
David Charles Brown, Edin, New York
William Joseph Burkavage, Jr., Springfield, Pennsylvania
Robert Francis Buscanics, Belle Vernon, Pennsylvania
Joseph Louis Cassiere II, (With Honors), Shreveport, Louisiana
Frank Reuter Cheney, Kenmore, New York
Jeffrey Alan Chmura, Pawtucket, Rhode Island
Thomas David Clifford, Holliston, Massachusetts

Donald James Diefenbach, Woodbridge, Virginia James Joseph Doolan, Jr., Boston, Massachusetts Jerome Robert English, Gillette, New Jersey Phillip Benitez Gallegos, Jr., Pueblo, Colorado Louis Michael Germano, Melrose Park, Illinois Jeffrey F. Johnston, Syracuse, New York Samuel Francis Jones, Marion, Indiana (with honors) Thomas James Kearns, Downey, California Kim Charles Kristoff, Hampton, Virginia Evan Martin LeDuc, Decatur, Michigan Ernest Joseph Leonardo, Vineland, New Jersey Frank Anthony Liebner, Chicago, Illinois Roberto Rafael Lopez-Molne (With Honors), South Bend, Indiana Gregory Paul Madej, Monongahela, Pennsylvania John Joseph Manning, Jr., Worcester, Massachusetts Carlos Jose Marin, Lima, Peru Russell Anthony Pennell, Neptune, New Jersey William Albert Peters, Jr., Stamford, Connecticut William R. Ponko (With High Honors), Merrill, Wisconsin Andrew Joseph Schmitz III, Huntington, New York Michael Woodrow Smith, Peru, Illinois Edward Suzuki (With Honors), Tokyo, Japan Gary Michael Tierney, Orange, Connecticut LeRoy S. Troyer, South Bend, Indiana Douglas M. Wickstrom, Michigan City, Indiana Matthew John Winkel, Jr., Hayden, Arizona

The Degree of Bachelor of Science in Chemical Engineering on:

Charles Patrick Bell (With Highest Honors), Fort Worth, Texas John Frederick Bertke, Lakewood, Ohio Michael Edwin Bradt, Cottage Grove, Minnesota †John David Cox, Pittsburgh, Pennsylvania William De Talancé, Paris, France David Mark Dolan (With Honors), Detroit, Michigan Antonius Gerardus Eggink, Elkhart, Indiana Louis A. Fontana, Jr., Aliquippa, Pennsylvania Charles E. Glatz (Senior Address) (With Highest Honors), Rochester, New York Donald Edward Gubbins, Buffalo, New York William John Hassink (With Highest Honors), Lake Charles, Loui-Michael Allen Kopina, DePue, Illinois Steven John Luzik, Coraopolis, Pennsylvania Robert Joseph Moran, Jr. (With Honors), Manchester, Missouri Lawrence Francis Mullan, Kings Park, New York William E. Muno (With Honors), Chicago, Illinois Ronald William Osman, Pittsburgh, Pennsylvania †James Andrew Peters, Yellow Springs, Ohio Stephen Thomas Riester, Louisville, Kentucky Timothy William Rost (With High Honors), Plymouth, Michigan Patrick J. Shuler (With High Honors), Joliet, Illinois Robert Floyd Singleton (With High Honors), Louisville, Kentucky William Thomas Smith III, Shalimar, Florida William John Speranza (With Honors), Yonkers, New York James Paul Zeller, Griffith, Indiana

The Degree of Bachelor of Science in Civil Engineering on: James Edward Alleman, South Bend, Indiana Ross Patrick Carbone, Cleveland, Ohio Anthony Louis DiGiovanni, Belmont, Massachusetts † John Patrick Farrell, Mineville, New York Thomas Roy Gorman, Arlington Heights, Illinois Robert W. Koch, Jr., New Rochelle, New York Kevin Lauri Koski (With High Honors), De Kalb, Illinois William Robert Litgen, Chicago, Illinois †Charles Magnesio, New Hartford, New York William Michael McDermott, Watervliet, New York Dennis Francis Murphy, Floral Park, Long Island, New York Timothy Arthur Pine, South Bend, Indiana Thomas Edward Poehls, Peoria, Illinois Mario Ernest Siravo (With Honors), Rockville, Maryland Eugene Sullivan, DeFuniak Springs, Florida Richard Henry Tilghman III (With Honors), Baltimore, Maryland Gregory Michael Tkachyk, Cleveland, Ohio Joseph Charles Welte, Pueblo, Colorado Patrick Fredrick Wilbur, Elmhurst, Illinois

The Degree of Bachelor of Science in Electrical Engineering on: †Joseph Peter Baniewicz, Springfield, Pennsylvania William Joseph Bombassaro, Gary, Indiana Edward Joseph Brosius, Chicago, Illinois Edward Patrick Campbell, Garden City, New York Joseph Michael Capo, Royal Oak, Michigan Edward Cassidy Charbonnet (With High Honors), New Orleans, Louisiana Michael Stephen Erspamer, San Antonio, Texas Mark Fallek, White Plains, New York John Eugene Grycz, Dayton, Ohio Walter John Hansen, Garden City, New York

John Eugene Grycz, Dayton, Ohio
Walter John Hansen, Garden City, New York
Timothy John Higgins, Omaha, Nebraska
David Robert Hudson, Berkeley Heights, New Jersey
David Ross Iuppa, Rochester, New York
Frederick Peter Jaecklein (With Honors), Pittsburgh, Pennsylvania
George Patrick Jehring, Muscatine, Iowa
†Kenneth Joseph Jones, Old Greenwich, Connecticut
†Michael Gordon Karkut, Bayonne, New Jersey
James Aloysius Kearns III (With Highest Honors), St. Louis,
Missouri

Jerome Anthony Kruczek (With Honors), Whiting, Indiana William Arthur Kuhn, Northport, New York Richard Joseph Lauricella, Rochester, New York Michael Paul Linkevich, Linden, New Jersey Arthur Jay Maher, Napa, California Charles Robert Malandra, Jr., Hammonton, New Jersey William Frank Meathe (With Honors), Whittier, California George Edward Molnar, Jr., Buffalo, New York David John Monroe, Hobart, Indiana John Lawrence Ohm, Jr., Gary, Indiana †Dean Eugene Olmstead, Rockford, Illinois Michael F. Poore (With High Honors), Washington, D.C. Paul Edward Rampson, Lisle, Illinois

Thomas Allen Roberts, Radnor, Ohio Warren David Roddy, Christopher, Illinois William Eugene Stanchina (With Honors), Portage, Indiana Henry Jan Stec, Panama, Republic of Panama Michael Todd Truesdell, Southfield, Michigan Gerald Thomas Welch, Somerville, New Jersey

The Degree of Bachelor of Science in Engineering Science on:
Joseph Emil Anderson, Jr., McLean, Virginia
John Joseph Bernardi (With Honors), Longmeadow, Massachusetts
Bernard Murphy Berry, Parnell, Iowa
Cosmo Angelo Bertino, Columbus, Ohio
Dan James Fitzgibbons, Lyndhurst, New Jersey
James Francis Hibey (With High Honors), Utica, New York
Clyde E. McFarland, Jr., Cabinas Zulia, Venezuela
Robert Anthony Offerle, Fort Wayne, Indiana
Michael Rapko (With Honors), Woonsocket, Rhode Island
Thomas Robert Rehm, Jr. (With Highest Honors), Mobile, Alabama

The Degree of Bachelor of Science in Mechanical Engineering on: Daniel Roger Aerni (With Honors), Cincinnati, Ohio Joseph Edward Ancel, Joliet, Illinois Ronald Ira Beckman (With High Honors), Jordan, Minnesota Timothy Joseph Berges, Mansfield, Ohio Bruce Robert Bernier, Bethesda, Maryland Roger James Bissmeyer, Cincinnati, Ohio James Arlyn Bloome, Davenport, Iowa Timothy James Bolner, San Antonio, Texas Paul A. Bottorff, Zanesville, Indiana George Lewis Bralla, Poway, California Thomas August Brisken, Cincinnati, Ohio Dennis P. Capella, Camden, New Jersey †Giorgio Caprile, Madrid, Spain Michael Eugene Collins, Shrewsbury, Massachusetts Steven Wayne Couch (With High Honors), Lexington Park, Mary-†Michael Patrick Dolan, Cincinnati, Ohio Michael John Doyle, Woodland Hills, California Philip Bradford Flanigan, Ladue, Missouri William John Golden, Dallas, Texas John Eugene Gulas, Joliet, Illinois Paul Cornelius Haas II, Mendon, Michigan Maxwell Hill, Chappaqua, New York Joseph Francis Kane, Elmira, New York John Charles Kelly, Fremont, California Richard A. Kettler, St. Louis, Missouri Bernard Barrett Koller (With Honors), Pueblo, Colorado John Leslie Lofgren, Louisville, Ohio Tulio Ramon Lopez (With Honors), San Juan, Puerto Rico Louis Raymond Markovich (With Honors), Salem, Ohio Thomas Joseph Martin (With Honors), South Milwaukee, Wisconsin James Antonio Matas (With High Honors), Miami, Florida Louis Dominic Mattei, Jr., Louisville, Kentucky James Joseph McCann, Jr., South Bend, Indiana Brian Clayton McIntee, Carmel, Indiana

Juan Montufar, Quito, Ecuador William R. Moran (With Honors), Rapid City, South Dakota Robert F. Morand, Cincinnati, Ohio Peter Charles Murphy, Jr., Indianapolis, Indiana Daniel Patrick Norton, Cleveland, Ohio James Thomas O'Gorman, Teaneck, New Jersey James Ralph Paynter, St. Louis, Missouri Michael Patrick Rafferty, Houston, Texas John David Real, Ashville, New York Richard C. Reynolds, Madison, Wisconsin Stacy Alexander Roscoe, San Diego, California Kevin Michael Stehney, Chicago, Illinois Peter Paul Stratil, House Springs, Missouri Joseph Alan Utz (With High Honors), West Long Branch, New Jersey Arthur Francis Vlastnik, North Riverside, Illinois Frederick Charles Weber III, Clayton, Missouri Alan Robert Zenkel, Rochester, New York

The Degree of Bachelor of Science in Metallurgical Engineering on: Richard James Coyle, Easton, Pennsylvania

THE COLLEGE OF BUSINESS ADMINISTRATION

In the Graduate Division

- The Degree of Master of Business Administration on:
- Maria Lourdes Pacis Acacio, Rizal, Philippines B.B.A., University of the East, 1968.
- Stephen Anthony Anella, South Bend, Indiana B.Arch., University of Notre Dame, 1965.
- Terrence Lee Blair (With Honors), La Porte, Indiana B.B.A., Loyola University, 1969.
- †Richard James Coleman, Syracuse, New York B.B.A., University of Notre Dame, 1968.
- Jay Peter Duffy, Michigan City, Indiana A.B., University of Notre Dame, 1969.
- Robert Anderson Dunham (With High Honors), San Antonio, Texas B.A., University of Maryland, 1957; J.D., University of Maryland, 1959.
- James Francis Fackelman, Union, New Jersey B.S.M.E., University of Notre Dame, 1969.
- Michael Francis Greene, Fairview Park, Ohio B.A., University of Notre Dame, 1969.
- Gary Lee Groom (With High Honors), Rensselaer, Indiana B.S., Purdue University, 1969.
- Todd Michael Helmeke (With Honors), Chaska, Minnesota B.A., St. Thomas College, 1967.
- Michael Louis Henn (With High Honors), Indianapolis, Indiana B.B.A., University of Notre Dame, 1961.
- Richard V. Huisking, Jr., Delray Beach, Florida B.A., University of Notre Dame, 1966.
- Joseph Ronald Kuzmick, Shamokin Dam, Pennsylvania B.S., Loyola College, 1964.
- Lester Jack Larsen, Jr. (With Honors), Mishawaka, Indiana B.S.F.S., Georgetown University, 1969.
- Robert Douglas McCann (With High Honors), Springfield, Massachusetts
 A.B., Fairfield University, 1968.
- James Edward McCullough, Rye, New York B.S., State University of New York, 1967.
- Michael Sean McGovern, Tonawanda, New York B.B.A., St. Bonaventure University, 1969.
- Robert Edward McManus, Lincoln, Nebraska B.A., University of Dallas, 1969.
- Charles Alfred Onofrio, South Haven, Michigan B.A., Lewis College, 1969.
- Steven Theodore Pandolfo (With Honors), Jersey City, New Jersey B.S., St. Peter's College, 1969.
- Efrain Talmadge Pelaez, Cebu City, Philippines A.B., Ateneo de Manila University, 1969.
- John Martin Pestka (With Honors), Park Ridge, Illinois B.A., University of Notre Dame, 1965.

- William Robert Pfeil, Alden, New York B.S., University of Albuquerque, 1969.
- Arie Sharon (With Honors), South Bend, Indiana B.S., Indiana University, 1969.
- Douglas Donnelly Sinclair, Montreal, Quebec, Canada B.A., Loyola of Montreal, 1969.
- Richard Alexander Sosin, Scarsdale, New York B.A., Thiel College, 1969.
- Renzo Willem Spanhoff, Rotterdam, Netherlands B.Tech, Bradford University, England, 1968; M.S., University of Notre Dame, 1970.
- Anthony Joseph Strati (With High Honors), Elkhart, Indiana B.B.A., University of Notre Dame, 1964.
- John Francis Sullivan (With Honors), Tulsa, Oklahoma B.B.A., University of Notre Dame, 1967.
- Michael James Thran, Cincinnati, Ohio B.S., University of Notre Dame, 1969.
- James Kevin Tinny, South Bend, Indiana B.B.A., University of Notre Dame, 1965.
- Dennis Michael Toohey, Atlanta, Georgia B.B.A., University of Notre Dame, 1969.
- Stephen Ray Townsend (With High Honors), South Bend, Indiana B.A., University of Notre Dame, 1969.
- John Edmund Vaughan, Mt. Pleasant, Michigan B.S., Purdue University, 1969.
- Paul Joseph Walsh, East Brunswick, New Jersey A.B., St. Anselm's College, 1969.
- Terence Allen Walts (With Honors), Corydon, Indiana B.S., Indiana University, 1969.

In the Undergraduate Division

The Degree of Bachelor of Business Administration on: Anthony Joseph Alholm, Grapevine, Texas Curtis William Anderson, South Bend, Indiana Michael Alan Androski, Tyrone, Pennsylvania John Joseph Arlotta, Fort Myers, Florida Joseph Stanley Bachewicz (With High Honors), Chicago, Illinois James Martin Barbato, Rochester, New York Barry Lee Barga, Piqua, Ohio Bruce Gordon Barker, Lansing, Michigan Albert John Baronas, Bath, New York Thomas James Barrett, Hume, Illinois William Arthur Barz, Country Club Hills, Illinois Kevin G. Bayer, Santa Barbara, California Lawrence Swan Beachler, Atlanta, Georgia William Anthony Berry, Jr., Youngstown, Ohio John N. Bialek, Twin Lakes, Wisconsin Gregory Paul Bitz, Evansville, Indiana

Charles William Blanchfield, Farmingdale, New York Paul Sebastian Bliley, Jr. (With High Honors), Richmond, Virginia

James Thomas Blong, Darby, Pennsylvania William Charles Blum, Cincinnati, Ohio

Gary Robert Blynt, Corry, Pennsylvania

Richard R. Borer, Glen Cove, New York

Patrick Anthony Bowers (With Honors), Defiance, Ohio

William P. Brady, Oak Brook, Illinois Robert Curtis Bramlette, Jr. (With High Honors), Flossmoor, Illinois

Mark Joseph Buechler, South Bend, Indiana

Bernard Anthony Buescher, Grand Junction, Colorado

Robert John Bullard, Fort Lauderdale, Florida

Robert Emmett Burke, White Plains, New York

Carl John Burrell, Abington, Pennsylvania

David Ervin Busch, Towner, North Dakota

Brian Xavier Bush, Dugway, Utah

Pablo Miguel Caban, Arecibo, Puerto Rico

Francis Joseph Caito, Indianapolis, Indiana

John Joseph Caliolo (With Honors), Sea Cliff, New York

Donald Madison Canfield (With Honors), Manchester, Massachusetts Matthew Lawrence Carden, Buffalo, New York

Gregg Michael Carlevato, Bensenville, Illinois

David Roy Carlson, Gibsonburg, Ohio

Vincent James Carr, Youngstown, Ohio

Paul Vincent Cavanaugh, Chicago, Illinois

Ronald Van Chernak (With Honors), Flossmoor, Illinois

Thomas Allan Cholak (With High Honors), Meadville, Pennsylvania

William Leon Choquette, Anchorage, Alaska

Michael Leo Chrapla, Indianapolis, Indiana

Michael Charles Christ, Carlyle, Illinois

Charles Clinton Clark, Philadelphia, Pennsylvania

John James Clark, Jr., Struthers, Ohio

Stephen Charles Clemente, Jamaica, New York

†Michael Joseph Collins, Oak Park, Illinois

Thomas Joseph Condon, Glen Ellyn, Illinois Denis Shannon Conroy, Bethesda, Maryland

Kevin Anthony Conti, Paterson, New Jersey

Michael Lawrence Corrigan, Sparta, New Jersey

Michael William Cotter (With Honors), Walnut Creek, California

Robert F. Cotter, Chicago, Illinois

Robert Francis Cowherd, Washington, D.C.

William Richard Crotty, Erie, Pennsylvania

Michael Patrick Cullinane, Indianapolis, Indiana

William J. Curosh, Phoenix, Arizona

Richard J. Dahlkemper, Erie, Pennsylvania

Gary Michael Daugherty, St. Louis, Missouri

William Virgil Davidson (With Honors), Ellsworth, Minnesota

Stephen Charles Delaney, Virginia Beach, Virginia

Stephen John DellaPietra, Middlebury, Connecticut

Lewis Joseph Derbes (With Honors), Metairie, Louisiana

†Gaetano Michael De Sapio (With High Honors), Baptistown, New Iersey

Michael John Dewan, Houston, Texas

Paul F. Dillenburger (With Honors), Cincinnati, Ohio

Carl Morgan Donnelly, Greenville, South Carolina

Kevin Jay Donoghue (With High Honors), Dunedin, Florida

Philip Daniel Donohue (With Honors), Sioux Falls, South Dakota

Patrick Joseph Dooley, Kewanee, Illinois Andrew Charles Dotterweich II, Jackson, Michigan H. Robert Dowd, Jr., Norwood, New Jersey Paul Vincent Dube, Rollinsford, New Hampshire George Thomas Eaton, Lancaster, Ohio Vincent Paul Egan, Omaha, Nebraska Kenneth Joseph Fakler, Provo, Utah Dennis Walter Farrell, Hollis Hills, New York John Henry Feldmann III, Green Bay, Wisconsin Gary William Fitzgibbons, Northfield, Illinois Dewitt Fleming, Jr., Indianapolis, Indiana William John Flynn, Jr., White Plains, New York Daniel A. Ford (With High Honors), Pittsfield, Massachusetts Stephen Michael Fox, Oreland, Pennsylvania John Patrick Freeman, Chicago, Illinois Larry Lee Friedel, Kenton, Ohio Robert John Fries, Baldwin, New York Brian Thomas Furey, Haddonfield, New Jersey Allan John Gabriele (With Honors), Michigan City, Indiana John Francis Gaither, Jr. (With High Honors), Evansville, Indiana Gary James Gardner, Union Mills, Indiana Hugh Thomas Gartland (With Honors), Norwalk, Connecticut John Francis Gaski (With Honors), Crown Point, Indiana Thomas W. Gasseling, Wapato, Washington Stephen Thomas Gaumond, Springfield, Massachusetts Wayne Anthony George, Miami, Florida Robert Michael Glassburn, Niles, Michigan Ronald Edward Goetz, Fowler, Indiana S. John Gorman, Fort Washington, Pennsylvania Joseph Stanley Grabias, Lansdowne, Pennsylvania Glenn Clayton Granger, Jr., Fairport, New York Richard Lee Grawemeyer, Louisville, Kentucky Edward Thomas Grenda, Masontown, Pennsylvania Richard Dennis Habing, Indianapolis, Indiana John David Hafeli, Bay Village, Ohio John Wayne Hagan, Louisville, Kentucky James Frederick Hagenbarth, Dillon, Montana Duane Louis Haley, Ventura, California David Joseph Haller, Erie, Pennsylvania John Joseph Hankey, El Paso, Illinois James Frederick Harrison, Ogdensburg, New York James David Hart III, Westwood, Massachusetts Stephen Douglas Hart (With Honors), Lakeland, Florida Raymond John Harter, Jr. (With High Honors), Sea Girt, New Jersey Donald Matthew Hartung, St. Louis, Missouri E. Blake Hastings, Tulsa, Oklahoma James Alan Heinz, San Antonio, Texas Scott Martin Hempel, Akron, Ohio William Henry Herbert, Emerson, New Jersey James Thompson Herbstritt, River Forest, Illinois Paul Dunning Hickey, Auburn, New York Donald R. Higgins, Fort Wayne, Indiana James Donald Hinton, Hardinsburg, Kentucky Arthur Paul Hipwell, Louisville, Kentucky Peter George Hoffman, Sandusky, Ohio Corey John Hogan, Kenmore, New York Paul A. Hollis, Chicago, Illinois

Gregory Eugene Hooks, Muscatine, Iowa Paul Charles Horan, Ottumwa, Iowa Edward P. Hughes, Bedford, Pennsylvania David Funk Hyde, Jr. (With High Honors), LaCrosse, Wisconsin Ernie Eugene Jackson, Bartlesville, Oklahoma Edward Michael Janis, Rocky River, Ohio Daniel Joseph Jarvis, Fitchburg, Massachusetts Gerald Thomas Johnson, Oak Park, Illinois John Mark Johnson, Harrison, New Jersey Michael Charles Jordan (With High Honors), Teaneck, New Jersey Thomas Albert Joseph, Minneapolis, Minnesota Timothy Paul Kane, East Brunswick, New Jersey David John Kautter (With High Honors), Plymouth, Pennsylvania Donald Timothy Kelly, Summit, New Jersey James Walter Kelly (With Honors), Corpus Christi, Texas Michael Edward Kelly, Chicago, Illinois Timothy James Kelly, Springfield, Ohio James Edward Kennedy, Pittsburgh, Pennsylvania Thomas Dalton Kennedy, Canandaigua, New York William James Kenny, Oak Lawn, Illinois Gary S. Kessler, Manasquan, New Jersey William Francis King, Jr., Columbus, Ohio John Edward Knorr (With Honors), Oklahoma City, Oklahoma James Joseph Kochevar, Dundee, Illinois John William Kolbas, Fayetteville, New York Kenneth Richard Kolby, Oak Brook, Illinois Michael J. Kondrla, Oaklyn, New Jersey Michael Joseph Kopacz, Dixon, Illinois Eric John Korth (With Honors), Piedmont, California Thomas Edward Kowieski, South Haven, Michigan Martin Anthony Kuharich, Springfield, Illinois Harry Louis Lapham, Jr. (With Honors), Farmington, Michigan Joseph Thomas Leary, Akron, Ohio Edward Ernest Leineweber, Chicago, Illinois David Joseph Lies (With High Honors), Riverside, Illinois Richard A. Lippert, Chicago, Illinois James Brian Lower, Indianapolis, Indiana Guy B. Madhere, Port-Au-Prince, Haiti Thomas Michael Maloney, Jr., Palos Park, Illinois Ronald Dominic Mambu, Philadelphia, Pennsylvania James Raymond Markiewicz, South Bend, Indiana James Allen Marren, Griffith, Indiana John Walter Martin (With High Honors), Pittsburgh, Pennsylvania J. Michael Mastej, Detroit, Michigan Joseph Richard Matt, Jr., Oconomowoc, Wisconsin Dean Francis McAllister, Pittsburgh, Pennsylvania Thomas Aquinas McCalley, Indianapolis, Indiana Paul F. McCarthy, Buffalo, New York Robert F. McCarthy, Jr. (With High Honors), La Grange Park, Illinois John Patrick McDonald, Haddonfield, New Jersey Joseph William McDonough, Jr., Norwood, Massachusetts Gilbert James McDougald, Tenafly, New Jersey Patrick Matthew McFadden, Allentown, Pennsylvania Daniel Paul McGarry, Sioux City, Iowa

Mark McGowan (With Honors), Jackson, Michigan James Gregory McGrath, Panama, Republic of Panama James Joseph McGraw, Jr., Cincinnati, Ohio James Joseph McGraw, Camp Hill, Pennsylvania Kenneth Vincent McLaughlin, Jr. (With Highest Honors), Austin, Texas

Michael C. McNelley, Reno, Nevada Joseph Anthony Melosh, Jr., Middletown, New Jersey James William Mertzlufft (With Honors), Akron, Ohio

Charles Stephen Metzler, Shawnee Mission, Kansas

Rodney Casimer Miles, Las Vegas, Nevada Brian James Mock, Clarence, New York Paul Mongell, Connellsville, Pennsylvania

Patrick Edward Montgomery, Birmingham, Alabama

Kevin Patrick Moore (With High Honors), Celina, Ohio

Michael John Morrison, Columbus, Ohio

Thomas Howard Morton, Harrison, New York

John Kevin Mullaly, East Norwich, New York

James M. Mulvaney (With Honors), Dowagiac, Michigan

Jeffrey Richard Munn, Newbury, Ohio Joseph Francis Murray, Momence, Illinois

Michael John Murray (With Honors), Duluth, Minnesota

Phillip George Mustes, Chicago, Illinois

Robert William Mysliwiec (With Honors), Grand Rapids, Michigan

Brien Joseph Nagle, Ottawa, Illinois

David J. Najar (With Honors), Grand Rapids, Michigan

Robert Andrew Neidert, Akron, Ohio

Thomas Joseph Nelesen, Elkhart Lake, Wisconsin

†Robert David Neubauer, Wisconsin Dells, Wisconsin

Daniel Francis Nicholson, Milwaukee, Wisconsin

Charles G. Nightingale, Valparaiso, Indiana

Terrence Joseph O'Brien, Hackettstown, New Jersey Michael J. Obringer, Franklin Lakes, New Jersey

Richard Edmond O'Connell III, Marshall, Minnesota

Jeffrey William O'Connor, Kewanee, Illinois

Thomas Patrick O'Donnell, Norwalk, Ohio

Barry John O'Neill, Plymouth Meeting, Pennsylvania

Edward Joseph O'Neill, Cincinnati, Ohio

Mark Donald Pajakowski, South Bend, Indiana

James John Perkins, Chicago, Illinois

Barry Thomas Pflum, Winnetka, Illinois

George Robert Phelps, Grand Island, New York

Donald Russell Picard, St. Clair Shores, Michigan

James Albert Piccolo, Orange, Connecticut

William Bruce Plumley, Denver, Colorado

James Gordon Porst, Sturgis, Michigan

William Joseph Prive, Manchester, New Hampshire

Lawrence Joseph Ptasinski, Harwood Heights, Illinois

Terrence Eugene Quinlan (With High Honors), Fort Wayne, Indiana John M. Quinn, Erie, Pennsylvania

Peter Bart Ramsour, Joplin, Missouri

Carl Joseph Rechner, Appleton, Wisconsin

Michael Lawrence Rennicke, North Haven, Connecticut

Vincent Lee Rettig, North Vernon, Indiana

Philip Wendell Rice (With High Honors), Huntington, West Virginia

Robert Arthur Richer, Woonsocket, Rhode Island

Bruce Frederick Rieck, Roosevelt, Texas

Jerome Edward Riley, Westchester, Illinois

Henry Edward Ring III, Garden City, New York

Douglas Dean Robbins, Elkhart, Indiana Paul Clifford Roberts (With High Honors), Appleton, Wisconsin †Robert John Roberts, Punxsutawney, Pennsylvania Randolph Cordell Romeo, Hendersonville, North Carolina Richard Allen Roscher (With Honors), Erie, Pennsylvania William Rhodes Rost, McKeesport, Pennsylvania James Frank Sachs, Hagerstown, Maryland William Joseph Sauer, Indianapolis, Indiana Stephen Jon Schapanski, Springfield, Pennsylvania Charles Ernest Schleck, Prospect, Kentucky William Clifford Schoen, Toledo, Ohio Stephen Joseph Schrantz, Cincinnati, Ohio Karl Gerard Schweinfest, Jr., Hicksville, New York Daniel John Sierak, Utica, New York Don Joseph Sipka, Chicago, Illinois Thomas William Sisson II, La Junta, Colorado William Bennet Skatrud, Manitowoc, Wisconsin Howard Lewis Smith, Springfield, Ohio John Patrick Smith, Philadelphia, Pennsylvania Steven Jon Smith (With High Honors), LaPorte, Indiana James Joseph Smolich, Greensburg, Pennsylvania John Lawrence Snider, Fort Recovery, Ohio Mitchell Peter Stankiewicz, South Bend, Indiana Craig Philip Stark, South Bend, Indiana Douglas Raymond Stehling, Grafton, Wisconsin John M. Stephens, Savannah, Georgia Thomas John Stollenwerk, Milwaukee, Wisconsin Kenneth James Strottman (With Honors), Cincinnati, Ohio †John Thomas Sucato, Lake Bluff, Illinois Robert James Sullivan, Oak Park, Illinois John Christian Swalling, Anchorage, Alaska James Frederick Swartz, Akron, Ohio Kenneth Dean Swenson, Falls City, Nebraska Frank Thomas Taddonio, New City, New York Thomas Francis Taylor, Los Angeles, California Philip Ashe Teah, South Bend, Indiana James Paul Thilman, South Bend, Indiana Michael H. Thomas (With High Honors), Akron, Ohio Eugene William Tidgewell, Anderson, Indiana Michael Albert Trudell, Fort Wayne, Indiana Dale John Venvertloh (With Highest Honors), Ursa, Illinois James Dennis Waldron, Chicago, Illinois Kenneth Patrick Walsh (With Honors), Clifton, New Jersey Harry Patrick Weber, Cincinnati, Ohio †Joseph Adrian Wemhoff (With Highest Honors), Lafayette, Indiana Joseph Charles White, Nashville, Tennessee Philip Anderson White, Chicago, Illinois James Patrick Whitehead, Jr., Columbus, Ohio Joseph Michael Woodka (With Honors), South Bend, Indiana Joseph Laurence Young, West Orange, New Jersey Ronald Benjamin Zaborowski, Arlington Heights, Illinois William Walter Zielonko, Troy, Illinois John Wolcott Zurcher, Columbia, South Carolina

In the College of Arts and Letters and the College of Science, the following were elected to membership in the honorary academic society of Phi Beta Kappa:

Christopher Bache (Theology) William Balcerski (Economics) Thomas Bitterly (Preprofessional) Robert Bradtke (Government) John Brady (Sociology) Steven Brion (English) W. Michael Canale (Modern Languages) William Carter (Economics) Edward Cavanagh (Economics) James Chelich (Sociology) Antonio Colacino (Economics) William Corda (History) James Dahl (Economics) Patrick Doody (English) John Fagan (Government) Herman Fala (Physics) Thomas Flanagan (Preprofessional) Thomas Guarnieri (Preprofessional) Michael Hawes (Preprofessional) John Hessler (English) William Hildebrand (Mathematics) Keith Klopfenstein (Government) John A. Knorr (Theology) Philip Kuebler (Chemistry) Patrick Lamb (English) Leon Liebner (Modern Languages) Thomas Lulling (Philosophy) Daniel Mazanec (Preprofessional) Mike McKool, Jr. (Sociology) Carl Mehrbach (Chemistry) Bernard O'Neill (Preprofessional) William Pascale (Economics) Donald Peterson (Physics) Jack Rainsberry (Physics) John Regan (Government) Stephen John Ricci (Mathematics) Samuel Rumore (History) Daniel Ryan (Preprofessional) Mark Ryan (Preprofessional) Mark Stephens (English) John Szabo (Geology) John Tietjen (Physics) David Toolan (Government) Charles Vater (English) Christopher Wolfe (Government) Thomas Zang (Physics)

In the College of Arts and Letters and the College of Science, the following were elected to membership in the honorary premedical society of Alpha Epsilon Delta:

Robert Ackerman (Preprofessional) Robert Barnhorn (Chemistry) Thomas Bica (Preprofessional) Thomas Bitterly (Preprofessional) Thomas Bogdewic (Preprofessional) Michael Borkowski (Preprofessional) Timothy Bresnahan (Preprofessional) Ernest Carducci (Preprofessional) C. Patrick Carroll (Preprofessional) Howard Davidson (Preprofessional) Paul Dusseau (Preprofessional) Thomas Egan (Preprofessional) Michael Felong (Preprofessional) Robert Fenzl (Preprofessional) James Findling (Preprofessional) Thomas Flanagan (Preprofessional) James Flannery (Preprofessional) David Fredericka (Preprofessional) J. Michael Gagnier (Preprofessional) Gerald Giurato (Preprofessional) Thomas Guarnieri (Preprofessional) Mark Hannahan (Preprofessional) Thomas Hardy (Preprofessional) Robert Hartmann (Preprofessional) John Isaacs (Preprofessional) Morteza Jahangir (Preprofessional) William Jekot (Chemistry) Frank Juhant (Preprofessional) Joseph Kahl (Preprofessional) John Keegan (Preprofessional) Jeffrey King (Preprofessional) James Koberstein (Preprofessional) Simon Kovalik (Preprofessional) Thomas Krizmanich (Preprofessional) J. Philip Kuebler (Chemistry) Stephen Livingston (Preprofessional) James Matas (Mechanical Engineering) Daniel Mazanec (Preprofessional) Robert McCrary (Preprofessional) Timothy McGinn (Preprofessional) Gerald McShane (Preprofessional) Michael Murphy (Preprofessional) Thomas Nasca (Preprofessional) Paul Okosky (Physics) Bernard O'Neill (Preprofessional) Charles Osborn (Preprofessional) Daniel Ryan (Preprofessional) Mark Ryan (Preprofessional) Arthur St. Andre (Preprofessional) Joseph Schappert (Preprofessional) Michael Schmits (Preprofessional) John Skopek (Preprofessional) Thomas Sullivan (Preprofessional) Patrick Tarpy (Preprofessional) Robert Urbanic (Preprofessional) Daniel Voglewede (Preprofessional) A. William Werner (Preprofessional) Joseph Whitlatch (Preprofessional) John York (Preprofessional)

In the College of Science and the College of Engineering, the following were elected to membership in the honorary research society of Sigma Xi:

Graduate Students:

Akın Ecer (Civil Engineering) Armando Hartman (Chemistry) Joan C. May (Chemistry) Paul B. Merkel (Chemistry)

Undergraduate Students:

Robert John Shedlock (Geology) John Paul Szabo (Geology)

In the College of Engineering, the following were elected to membership in the honorary academic society of Tau Beta Pi:

Joseph E. Ancel (Mechanical) Paul C. Archambeault (Aerospace) Frank T. Blaskovich (Aerospace) Edward C. Charbonnet (Electrical) James E. Coolahan (Aerospace) Charles C. Dietrick (Aerospace) Mark Galbraith (Aerospace) James Hibey (Engineering Science) Frederick P. Jaecklein (Electrical) George P. Jehring (Electrical) Robert J. Jensen (Aerospace) James A. Kearns III (Electrical) Kevin Koski (Civil) Jerome A. Kruczek (Electrical) Tulio R. Lopez (Mechanical) Thomas J. Martin (Mechanical) James A. Matas (Mechanical) William R. Moran (Mechanical) Michael F. Poore (Electrical) Robert Rehm (Engineering Science) James H. Riley (Aerospace) William S. Stanchina (Electrical) Joseph A. Utz (Mechanical)

In the College of Engineering, the following were elected to membership in the honorary academic society of their major field of study:

Chi Epsilon (Civil Engineering)

Ross P. Carbone Anthony DiGiovanni Kevin Koski William Litgen Thomas Poehls Richard Tilghman Gregory Tkachyk Joseph Welte

Eta Kappa Nu (Electrical Engineering)

Edward P. Campbell Edward Charbonnet Walter Hansen Frederick Jaecklein George P. Jehring James A. Kearns III Jerome A. Kruczek Arthur J. Maher Michael F. Poore Warren D. Roddy William E. Stanchina

Pi Tau Sigma (Mechanical Engineering)

Joseph Ancel Steven Couch Bernard B. Koller Louis Markovich Thomas Martin James Matas John McKelvey William Moran Robert Morand Joseph Utz

In the College of Business Administration the following were elected to membership in the honorary academic society of Beta Gamma Sigma:

Graduate Students

Gary Groom Michael Henn Robert Dunham Robert McCann Anthony Strati

Undergraduate Students:

Joseph Bachewicz (Management) Paul S. Bliley, Jr. (Accounting) Robert C. Bramlette, Jr. (Accounting) Donald M. Canfield (Management) Ronald V. Chernak (Accounting) Michael W. Cotter (Marketing) Kevin J. Donoghue (Accounting) Daniel A. Ford (Finance) John F. Gaither, Jr. (Accounting) Raymond J. Harter (Accounting) David F. Hyde, Jr. (Finance) Michael C. Jordan (Finance) David J. Kautter (Accounting) David J. Lies (Finance) John W. Martin (Accounting) Robert F. McCarthy (Marketing) Kenneth V. McLaughlin, Jr. (Finance) James M. Mulvaney (Finance) Michael J. Murray (Accounting) Terrence E. Quinlan (Finance) Philip W. Rice (Management) Paul C. Roberts (Accounting) Steven Jon Smith (Management) Michael H. Thomas (Accounting) Dale J. Venvertloh (Finance)

NATIONAL FELLOWSHIPS AND SCHOLARSHIPS AWARDED FOR 1971-72

National Science Foundation Graduate Fellowship (Level I):

James E. Coolahan (Aerospace Engineering) Charles E. Glatz (Chemical Engineering) William J. Hassink (Chemical Engineering) John Paul Szabo (Geology) Thomas A. Zang, Jr. (Physics)

National Science Foundation Graduate Fellowship (Level II):

William Russell Belding (Mathematics)

Herbert H. Lehman Fellowship:

Richard J. Hunter (Government) Christopher Wolfe (Government)

United States Government Scholarship for Study Abroad: (Fulbright Scholarship)

Gleason R. Adams (Modern Languages) for study in Italy. Leon R. Liebner (Modern Languages) for study in Germany.

Danforth Fellowships:

Steven J. Brion (English) John G. Hessler (English)

Woodrow Wilson Foundation Designates:

David O. Toolan (Government) Christopher Wolfe (Government)

Woodrow Wilson Foundation Internships:

Robert Douglas McCann Efrain Talmadge Pelaez

Notre Dame, Our Mother O'Donnell-Casasanta

Notre Dame, Our Mother, tender, strong and true, Proudly in the heavens gleams thy gold and blue. Glory's mantle cloaks thee, golden is thy fame And our hearts forever praise thee, Notre Dame: And our hearts forever love thee, Notre Dame.

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 gown, hood 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. University administrators may also have a tassel of gold thread.

Subject Field Colors Used on Hoods and Caps

Arts and Letters	LawPurple
Business Administration and	MusicPink
AccountancySapphire Blue	Philosophy
EconomicsCopper	Physical EducationSage Green
EducationLight Blue	ScienceGolden Yellow
EngineeringOrange	TheologyScarlet
Fine Arts including Architecture Brown	

Blue and Gold in Hoods Denotes a Notre Dame Degree