

One Hundred Sixteenth  
Commencement Exercises

OFFICIAL

JUNE EXERCISES

THE UNIVERSITY OF NOTRE DAME

NOTRE DAME, INDIANA

THE GRADUATE SCHOOL

THE LAW SCHOOL

THE COLLEGE OF ARTS AND LETTERS

THE COLLEGE OF SCIENCE

THE COLLEGE OF ENGINEERING

THE COLLEGE OF COMMERCE



On the University Mall  
At 2:00 p.m. (Central Daylight Time)  
June 4, 1961

# PROGRAM

## PROCESSIONAL

## CITATIONS FOR HONORARY DEGREES

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

## THE CONFERRING OF HONORARY DEGREES

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

## PRESENTATION OF CANDIDATES FOR DEGREES

by the Reverend Paul E. Beichner, C.S.C.,  
Dean of the Graduate School

by Joseph O'Meara  
Dean of the Law School

by the Reverend Charles E. Sheedy, C.S.C.,  
Dean of the College of Arts and Letters

by Frederick D. Rossini  
Dean of the College of Science

by Harry C. Saxe  
Acting Dean of the College of Engineering

by James W. Culliton  
Dean of the College of Commerce

## THE CONFERRING OF DEGREES

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

## PRESENTATION OF THE LAY FACULTY AWARD

## COMMENCEMENT ADDRESS

by Mr. R. Sargent Shriver, Jr.  
Director of the Peace Corps

## THE BLESSING

by His Eminence Aloisius Cardinal Muench,  
Rome, Italy

# Degrees Conferred

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The University of Notre Dame announces the conferring of:

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

His Eminence Laurian Cardinal Rugambwa, of Bukoba, Tanganyika,  
East Africa

His Eminence Aloisius Cardinal Muench, of Rome, Italy

Mr. R. Sargent Shriver, Jr., of Washington, D. C.

Mr. John W. Gardner, of New York, New York

Dean Erwin N. Griswold, of Cambridge, Massachusetts

Mr. Joseph A. Martino, of New York, New York

Dr. Arthur J. O'Connor, of Scarborough, New York

Dr. J. A. Stratton, of Cambridge, Massachusetts

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

Mr. James J. Sweeney, of New York, New York

*The Degree of Doctor of Science, honoris causa on:*

Dr. Glenn T. Seaborg, of Washington, D. C.

Dr. James E. Webb, of Washington, D. C.

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## IN THE GRADUATE SCHOOL

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

*The Degree of Doctor of Philosophy on:*

Victor George Badding, Buffalo, New York

B.S., Canisius College, 1957. Major subject: Chemistry. Dissertation: The Reduction of Acetals and Ketals and Their Sulfur Analogs with Lithium Aluminum Hydride-Aluminum Chloride.

† Armand P. Boisselle, Haverhill, Massachusetts

B.S., State Teachers College, Bridgewater, Massachusetts, 1953; M.S., Boston College, 1957. Major subject: Chemistry. Dissertation: The Preparation and Some Reactions of  $\alpha$ -t-Acetylenic Ethers.

Joseph Cheng-Yih Chen, Nanking, China

A.B., St. Anselm's College, 1957. Major subject: Chemistry. Dissertation: Excitation of Molecular Vibration by Slow Electron Impact.

Robert T. Deck, Philadelphia, Pennsylvania

B.A., LaSalle College, 1956. Major subject: Physics. Dissertation: Problems in Inelastic Electron Scattering.

Matthew Jerome Fairbanks, Scranton, Pennsylvania

B.S., Loyola University (Illinois), 1956; M.A., *ibid.*, 1959. Major subject: Philosophy. Dissertation: C. S. Pierce and Nineteenth Century Positivism.

Sister Claude Marie Faust, Sisters of Charity of the Incarnate Word,  
San Antonio, Texas

A.B., Incarnate Word College, 1939; M.A., The Catholic University of America, 1954; M.S., Marquette University, 1955. Major subject: Mathematics. Dissertation: On the Boundary Behavior of Holomorphic Functions in the Unit Disk.

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† Degree Conferred February 1, 1961

- † Paul Louis Gerace, Batavia, New York  
B.S., University of Notre Dame, 1956. Major subject: Chemistry. Dissertation: A Study of Some Metal Complexes of Naphthazarin and  $\beta$ -Hydronaphthazarin Disulfonate.
- Sister M. Ursula Grimes, Sisters of St. Joseph, Baden, Pennsylvania  
B.E., Duquesne University, 1953; M.E., *ibid.*, 1957. Major subject: Education. Dissertation: An Evaluative Study of the Guidance Services Provided for Eighth-Grade Pupils in the Diocese of Pittsburgh.
- John Bernard Gruenenfelder, Loveland, Ohio  
B.E.E., University of Minnesota, 1946; M.A., University of Notre Dame, 1950; M.S., *ibid.*, 1955. Major subject: Philosophy. Dissertation: Plato's Theory of Scientific Knowledge in the Later Dialogues.
- Reverend Philip A. Hamilton, Dubuque, Iowa  
A.B., The Creighton University, 1940; S.T.L., The Catholic University of America, 1944. Major subject: Sociology. Dissertation: The Influence of Social Factors on Religious Role Perception and Behavior.
- † Zacharias Hamlet, Kerala, India  
B.S., Loyola College, University of Madras, 1950; M.S., Victoria College, Agra University, 1952. Major subject: Chemistry. Dissertation: Orientation in Free Radical Methylation of Aromatics.
- Frederick Charles Herx, Chicago, Illinois  
B.A., Loyola University (Illinois), 1949; M.A., *ibid.*, 1951. Major subject: Philosophy. Dissertation: The Problem of Illumination in St. Bonaventure and St. Thomas Aquinas: During the Period 1250-1259.
- † Sister M. Laetitia Kilzer, Sisters of St. Benedict, Yankton, South Dakota  
A.B., College of St. Benedict (Minnesota), 1950; A.M., University of South Dakota, 1955. Major subject: Chemistry. Dissertation: Studies on the Stabilities of Organoboron Halides and Oxides: Thermal Decomposition of Boron Fluoride Ethyl Etherate and Re-identification of Alkoxyfluoroboranes; Simple and Mixed Organoboron Halides and Oxides.
- † John Leo Kropp, Salem, Oregon  
B.S., University of Santa Clara, 1956. Major subject: Chemistry. Dissertation: Effect of Some Quenchers on Organic Scintillator Solutions.
- Richard Francis Larson, Yakima, Washington  
B.A., Seattle University, 1957; M.A., University of Washington, 1958. Major subject: Sociology. Dissertation: An Analysis of Selected Health Knowledge, Values, and Practices as Related to Social Class.
- Hugh J. McQueen, Montreal, Canada  
B.S., Loyola College, (Montreal), 1954; B.E., (Metal.) McGill University, 1956; M.S., University of Notre Dame, 1958. Major subject: Metallurgical Engineering. Dissertation: The Sintering of Zinc Sulfide.
- Donald Richard Morgan, Lynn, Massachusetts  
B.A., Boston College, 1955; M.S., *ibid.*, 1957. Major subject: Physics. Dissertation: The Kinetics of Oxygen and Strontium Oxide on Molybdenum by Field Electron Microscopy in the Temperature Range 1000° K. - 1900° K.
- † Ralph C. Nelson, Park Ridge, Illinois  
B.A., De Paul University, 1953; M.A., *ibid.*, 1955. Major subject: Philosophy. Dissertation: Jacques Maritain's Conception of "Moral Philosophy Adequately Considered."
- † Francis R. Nugent, San Lorenzo, California  
B.A., Saint Mary's College of California, 1941; M.A., University of Notre Dame, 1958. Major subject: Philosophy. Dissertation: The Nature and Properties of Immanent Action.
- John Conway O'Brien, Hamilton, Scotland  
B.Com., University of London, 1952. Major subject: Economics. Dissertation: An Analysis of the Standards of Administration of Union Welfare and Pension Funds.

Frank Petrella, Junior, Clairton, Pennsylvania  
B.A., University of Notre Dame, 1956; M.A., *ibid.*, 1957. Major subject: Economics. Dissertation: Edmund Burke and Classical Economics.

Eugene Pyziur, South Bend, Indiana  
Doctor Juris, Free University of Ukraine in Munich, 1949; M.A., Columbia University, 1954. Major subject: Political Science. Dissertation: Constitutional Thought in Pre-Revolutionary Russia.

† Alexander Rozner, New York, New York  
Master of Tech. Science and Mechanical Engineer, Academy of Mining and Metallurgy, Cracow, 1951. Major subject: Metallurgical Engineering. Dissertation: Sintering of Ferric Oxide.

Charles F. Schwerdtfeger, Berwyn, Pennsylvania  
B.S., Villanova University, 1956. Major subject: Physics. Dissertation: A Study of the Decay of  $\text{Eu}^{148}$ ,  $\text{Pm}^{148}$  and  $\text{Pm}^{149m}$  to Levels in  $\text{Sm}^{148}$ .

† Robert McKeon Slabe, Bryn Mawr, Pennsylvania  
B.S.S., Fairfield University, 1953; M.A., University of Notre Dame, 1955. Major subject: English. Dissertation: William Faulkner: "The Waste Land" Phase (1926-1936).

Sister Mary Paulita Springer, Sisters of St. Joseph, La Grange Park, Illinois

B.S., Rosary College, 1946; M.S., University of Notre Dame, 1957. Major subject: Chemistry. Dissertation: Infrared Spectra of Some Metal Complexes of Amino Acid Esters and of Some Substituted Ammonium Chlorocuprates.

Vincent P. Tartella, Scranton, Pennsylvania  
B.A., University of Scranton, 1956; M.A., University of Notre Dame, 1958. Major subject: English. Dissertation: Charles Dickens's *Oliver Twist*: Moral Realism and the Uses of Style.

Leslie Peter Theard, New Orleans, Louisiana  
B.S., Xavier University (Louisiana), 1956. Major subject: Chemistry. Dissertation: Radiolysis of Liquid Methanol and Some Methanolic Solutions.

Ronald G. Vardiman, Louisville, Kentucky  
B.S., University of Notre Dame, 1954; M.S., *ibid.*, 1956. Major subject: Metallurgical Engineering. Dissertation: A Study of the Order-Disorder Transformation in  $\text{Au Cu}^3$ .

Thomas George Wack, South Bend, Indiana  
B.A., University of Notre Dame, 1949; M.A., *ibid.*, 1950. Major subject: English. Dissertation: The Imagery of Edward Taylor's *Preparatory Meditations*.

Thomas Anthony Weber, Chicago, Illinois  
B.S., De Paul University, 1956. Major subject: Physics. Dissertation: Coulomb Scattering of Polarized Electrons.

#### *The Degree of Doctor of Science on:*

Allan James Malvick, Oak Lawn, Illinois  
B.S., University of Notre Dame, 1957; M.S., *ibid.*, 1959. Major subject: Engineering Science. Dissertation: On the Characteristics of a Ship Intended for Pursuit of an Evasive Target.

Marion Walter Wilcox, Fort Worth, Texas  
B.S.C.E., University of Notre Dame, 1948; M.S.C.E., Illinois Institute of Technology, 1956. Major subject: Engineering Science. Dissertation: The Effect of Midplane Temperatures on the Response of Plate-Like and Composite Structures.

*The Degree of Master of Arts on:*

Sister Peter Marie Anselmo, Sisters of Mercy, Hartford, Connecticut  
B.S., Saint Joseph College (Connecticut), 1946. Major subject: English.

Alfred John Bannan, Guilderland, New York  
B.A., Manhattan College, 1958. Major subject: History. Dissertation: John Lingard as a Critic of Lord Macaulay.

Ronald Louis Boucher, Arlington, Massachusetts  
B.S. in Commerce, University of Notre Dame, 1960. Major subject: Theology.

Andre A. Bouckaert, Roeselare, Belgium  
Lic. in Commercial and Financial Sciences, University of Louvain, 1958;  
Dipl. of Adv. European Studies, College of Europe, Bruges, 1959. Major  
subject: Economics. Dissertation: The European Community.

James Patrick Bowers, St. Louis, Missouri  
A.B., Rockhurst College, 1957. Major subject: History. Dissertation: An  
Historiographical Essay on the *Entente Cordiale*: 1904.

Chester Francis Burgess, South Bend, Indiana  
B.A., Yale University, 1944. Major subject: English:

Reverend Anthony Brooks Campbell, Sydney, Nova Scotia, Canada  
B.A., Saint Francis Xavier University (Antigonish, Nova Scotia), 1948.  
Major subject: Economics.

Reverend Cyril R. Campbell, Oblate of Mary Immaculate, Ottawa,  
Ontario, Canada  
B.A., St. Francis Xavier University (Canada), 1945. Major subject: Theology.

Reverend Frederick Reese Clark, Congregation of the Holy Ghost,  
Pittsburgh, Pennsylvania  
B.A., St. Mary's Seminary (Connecticut), 1951. B.D., *ibid.*, 1955. Major  
subject: Education.

Frank DiPietro Collura, Waltham, Massachusetts  
B.A., University of Arizona, 1960. Major subject: Theology.

Ronald W. Cunningham, San Diego, California  
A.B., San Diego State College, 1959. Major subject: Sociology (Correctional  
Administration).

Charles Benton Cushwa III, Youngstown, Ohio  
B.A., University of Notre Dame, 1957. Major subject: Economics.

Richard Austin Donovan, Rochester, New York  
B.A., University of Notre Dame, 1959. Major subject: English.

Stephen J. Dornbach, Minneapolis, Minnesota  
B.A., University of Notre Dame, 1959. Major subject: Sociology (Correctional  
Administration).

LaMar Alfred Dotter, Jim Thorpe, Pennsylvania  
B.A., LaSalle College, 1959. Major subject: Political Science.

David M. Fahey, Albany, New York  
B.A., St. Bernardine of Siena College, 1959. Major subject: History. Disser-  
tation: Tawney and Trevor-Roper: Two Social Interpretations of the Gentry  
in the Genesis of the English Civil War.

Brother Joseph Gregory Fairleigh, Christian Brothers of Ireland,  
Chicago, Illinois  
B.A., Iona College, 1956. Major subject: Education.

David Fedison, Rochester, New York  
B.A., St. John Fisher College (New York), 1958. Major subject: Sociology  
(Correctional Administration).

William J. Fink, Huntington, Indiana  
S.T.B., Gregorian University (Rome, Italy), 1957; B.A., Mount St. Mary's  
Seminary of the West (Cincinnati, Ohio), 1958. Major subject: English.

Joseph Howard Hennessy, Philadelphia, Pennsylvania  
B.A., LaSalle College, 1959. Major subject: Political Science.

Fred John Hocoy, Albany, New York  
B.A., University of Notre Dame, 1960. Major subject: History Dissertation:  
Protestant Attitudes Towards Industrial Reconstruction 1919-1920.

Frederick Walter Jamroz, Junior, Chicopee, Massachusetts  
B.S.P.E., University of Notre Dame, 1960. Major subject: Education.

Sister Mary Veronica Janes, Daughters of the Cross, Shreveport,  
Louisiana  
B.S., St. Mary's Dominican College (Louisiana), 1957. Major subject:  
Education.

Denis Ryan Kelly, Dayton, Ohio  
B.A., University of Dayton, 1959. Major subjects: Philosophy.

Harold Gregory Kilduff, Humboldt, Tennessee  
B.A., University of Notre Dame, 1958. Major subject: English.

Reverend Gerard Kitts, Order of St. Benedict, Cullman, Alabama  
B.A., St. Bernard College (Alabama), 1955. Major subject: History.

Gerald Anthony Lacattiva, Buffalo, New York  
A.B., King's College (Pennsylvania), 1958. Major subject: Sociology (Cor-  
rectional Administration).

Mrs. Rhee Lyon, South Bend, Indiana  
A.B., Cornell University, 1954. Major subject: Education.

William J. Mayo, Cohoes, New York  
B.A., University of Notre Dame, 1953. Major subject: Sociology (Correctional  
Administration).

Milton L. McAngus, Honolulu, Hawaii  
B.A., University of Notre Dame, 1959. Major subject: Sociology (Correc-  
tional Administration).

† Charles Winfield McColleston, Ogdensburg, New York  
A.B., Fordham University, 1946. Major subject: History.

Richard Thomas McLain, Portland, Oregon  
B.A., University of Portland, 1959. Major subject: Sociology (Correctional  
Administration).

† Reverend John J. McManmon, C.S.C., Congregation of Holy Cross,  
Chicago, Illinois  
B.A., University of Notre Dame, 1955. Major subject: English. Dissertation:  
The Grotesque in the Early Poetry of T. S. Eliot; A Study of Backgrounds.

Michael McTighe, South Bend, Indiana  
B.A., University of Notre Dame, 1959. Major subject: Sociology (Correc-  
tional Administration).

Michael Vincent Metallo, Paterson, New Jersey  
B.S., Seton Hall University, 1959. Major subject: History. Dissertation: The  
Periodical Press and the Socialist Party in the Presidential Election of 1932.

- Leonard T. Morse, Seattle, Washington  
B.S., United States Naval Academy, 1929. Major subject: Sociology.
- James Francis Mulvihill, West Orange, New Jersey  
B.A., New Jersey State Teachers College at Montclair, 1960. Major subject: History.
- Louis Nemeth, South Bend, Indiana  
B.A., University of Notre Dame, 1936. Major subject: Education.
- Reverend Joseph Francis O'Donnell, Congregation of Holy Cross,  
Notre Dame, Indiana  
B.A., University of Notre Dame, 1956. Major subject: Theology.
- Noel Borgia O'Sullivan, Elizabeth, New Jersey  
B.S.P.E., University of Notre Dame, 1960. Major subject: Education.
- Milton Jay Peterson, Portland, Oregon  
B.A., University of Portland, 1959. Major subject: Sociology (Correctional Administration).
- † Brother Joseph Anthony Pietrosante, Brothers of the Congregation  
of Holy Cross, Notre Dame, Indiana  
A.B., St. Edward's University, 1957. Major subject: Education.
- William Joseph Quinn, New York City, New York  
B.A., University of Notre Dame, 1959. Major subject: Sociology (Correctional Administration).
- † Marcelo Ramos y Carifio, Bontoc, Mountain, Philippines  
B.A., University of Santo Tomas (Philippines), 1953; LL.B., *ibid.*, 1956.  
Major subject: Political Science.
- Robert John Razner, Stevens Point, Wisconsin  
B.S., University of Wisconsin, 1958. Major subject: Sociology (Correctional Administration).
- John Merritt Sanders, Winona, Minnesota  
B.A., Saint Mary's College (Minnesota), 1958. Major subject: Sociology (Correctional Administration).
- John Louis Saunders, West Memphis, Arkansas  
A.B., University of Arkansas, 1959. Major subject: History.
- Miss Carolyn Barbara Schmidt, Duluth, Minnesota  
B.S., Northwestern University, 1947, M.A., University of Minnesota, 1954.  
Major subject: Theology.
- Miss Mary Jane Schoen, South Bend, Indiana  
B.S., Saint Mary's College (Indiana), 1957. Major subject: Education.
- John William Sullivan, Junior, Brockton, Massachusetts  
B.A., Stonehill College, 1959. Major subject: English.
- † Reverend Thomas C. Tallarida, Congregation of Holy Cross, Niles,  
Illinois  
B.A., University of Notre Dame, 1947. Major subject: History.
- Urban Albert Thobe, Dayton, Ohio  
B.A., St. Joseph's College (Indiana), 1958. Major subject: Philosophy.  
Dissertation: A Comparison of the Commentaries of Cajetan and Saint Albert the Great on the Isagoge of Porphyry with Regard to the Predicable Accident and a Comparison of Their Doctrines With Regard to the Inseparable Accident.
- Joseph Desmond Toomey, Duluth, Minnesota  
B.A., University of Minnesota, 1956. Major subject: English.



Rodger F. Toth, Portland, Ohio

B.A., University of Portland, 1959. Major subject: Sociology (Correctional Administration).

James Donald Tracy, University City, Missouri

A.B., Saint Louis University, 1959; M.A., Johns Hopkins University, 1960. Major subject: Theology.

Robert Sylvester Turley, La Grande, Oregon

B.A., Mount Angel Seminary (Oregon), 1959. Major subject: Philosophy. Dissertation: Connatural Knowledge of God in the Thought of Jacques Maritain.

Reverend Justin John Wheeler, Third Order Regular of St. Francis, Loretto, Pennsylvania

B.A., Saint Francis College (Pennsylvania), 1944; S.T.L., The Catholic University of America, 1947. Major subject: Philosophy.

† Dale Edwin White, Grand Junction, Colorado

B.A., University of Notre Dame, 1937. M.A., University of Denver, 1958. Major subject: Sociology.

Reverend Raymond Mark Yoder, Goshen, Indiana

B.A., Th.B., Goshen College, 1938; Major subject: Philosophy.

*The Degree of Master of Fine Arts on:*

Robert David DiGiovanni, Malden, Massachusetts

B.F.A., Massachusetts School of Art, 1955.

Antonio Pecson Doctor, San Juan, Rizal, Philippines

B.F.A., University of Santo Tomas, (Manila), 1952; University of Fine Arts, Bangkok, 1954-1957.

Mie-Shu Ou, Taipie, Taiwan, China

B. of Law (Econ.), National University of Taiwan, 1958.

*The Degree of Master of Mediaeval Studies on:*

Reverend John Chrysostom Murphy, Order of Friars Minor, Loudonville, New York

B.A., St. Bonaventure University, 1951. Dissertation: The Franciscan Studium at the University of Paris. History, Topography, and Chartulary.

*The Degree of Master of Music on:*

Sister Rose Marie Maricelli, Daughter of the Cross, Shreveport, Louisiana

B.S., Webster College (Missouri), 1939.

*The Degree of Master of Music Education on:*

James Stephen Phillips, Farrell, Pennsylvania

B.M., University of Notre Dame, 1956.

*The Degree of Master of Science on:*

Robert F. Baxter, Junior, Norwood, Pennsylvania

B.S., Villanova University, 1959. Major subject: Mathematics.

† Charles Henry Calisher, Bayside, New York

B.S., Philadelphia College of Pharmacy and Science, 1958. Major subject: Biology. Dissertation: The Growth Curve of Polyoma Virus Determined in the Germfree Mouse by an Indirect Method.

Joseph E. Cicero, Notre Dame, Indiana

A.B., Drew University, 1959. Major subject: Mathematics.

- Robert Michael Fleming, Collingswood, New Jersey  
B.A., La Salle College, 1959. Major subject: Mathematics.
- Stanley Joseph Friesenhahn, San Antonio, Texas  
B.S., St. Mary's University of San Antonio, 1957. Major subject: Physics.
- † Michael George Hanna, Junior, Cleveland, Ohio  
B.S., Baldwin-Wallace College, 1958. Major subject: Biology. Dissertation:  
The Effects of X-Irradiation on the Hematopoietic System as Interpreted by  
Imprint Studies.
- Nicholas David Hull, Alexandria, Kentucky  
A.B., Villa Madonna College, 1959. Major subject: Physics.
- Sister Mary Ann Jude Jungbauer, Sisters of the Immaculate Heart of  
Mary, Hollywood, California  
A.B., Immaculate Heart College (California), 1957. Major subject: Chemistry.
- Charles Nickolas Koenig, Saginaw, Michigan  
B.A., Central Michigan College of Education, 1959. Major subject: Biology.
- Gerald D. Ludden, Fort Madison, Iowa  
B.A., St. Ambrose College, 1959. Major subject: Mathematics.
- Sister Mary Christelle Macaluso, Religious Sisters of Mercy, Omaha,  
Nebraska  
B.S., College of Saint Mary (Nebraska), 1956. Major subject: Biology.
- Michael Thomas MacNeil, Detroit, Michigan  
B.S., University of Detroit, 1952. Major subject: Mathematics.
- David Bernard Meronk, Milwaukee, Wisconsin  
B.S., Marquette University, 1959. Major subject: Mathematics.
- Sister Mary Neal Moran, Sisters of Charity of the Blessed Virgin  
Mary, Dubuque, Iowa  
B.A., Mundelein College, 1957. Major subject: Mathematics.
- John A. Oppelt, Baltimore, Maryland  
A.B., Loyola College (Maryland), 1959. Major subject: Mathematics.
- Béla Emery Piacsek, South Bend, Indiana  
B.S., University of Notre Dame, 1959. Major subject: Biology. Dissertation:  
A Comparative Response of Germfree and Conventional Mice to Antibiotic  
Treatment in Radiation Syndrome.
- Edward M. Randall, Reno, Nevada  
B.S., University of Nevada, 1959. Major subject: Biology.
- Alden Henry Reine, New Orleans, Louisiana  
B.S., Xavier University (Louisiana), 1959. Major subject: Chemistry.
- Sister Grace Frances Rossi, Maryknoll Sisters of St. Dominic, Mary-  
knoll, New York  
B.S., The University of Oklahoma, 1950. Major subject: Chemistry.
- Dipak Kumar Saraswati, Calcutta, India  
B.S., St. Xavier College, University of Calcutta, 1955; M.S., University of  
Calcutta, 1957. Major subject: Physics.
- Thomas Charles Smith, Springfield, Pennsylvania  
B.A., La Salle College, 1958. Major subject: Physics.
- † Sister Elizabeth Anne Sueltenfuss, Congregation of the Sisters of  
Divine Providence, San Antonio, Texas  
B.A., Our Lady of the Lake College, 1944. Major subject: Biology.

Raymond W. Tennant, Joliet, Illinois

B.S., Saint Joseph's College (Indiana), 1959. Major subject: Biology. Dissertation: Studies on the Growth and Interaction of *Diplococcus pneumoniae* and Influenza Virus in Germfree Mice.

Thaddeus Joseph Trenn, Elmhurst, Illinois

B.A., Saint Mary's College (Minnesota), 1959. Major subject: Physics. Dissertation: Construction and Calibration of a Single-Gap "Wedge" Beta-Spectrometer.

John D. Waller, Kansas City, Missouri

B.S., Rockhurst College, 1959. Major subject: Mathematics.

John Donald Weber, Marrero, Louisiana

B.S., Xavier University (Louisiana), 1957. Major subject: Chemistry.

*The Degree of Master of Science in Aeronautical Engineering on:*

S. N. Thirumalaisamy, Madras, India

B.S., St. Joseph's College, University of Madras, 1956; Dipl. (Aero.E.), Madras Institute of Technology, 1959. Dissertation: Effect of Tunnel Wall and Aspect Ratio on Strouhal Number.

*The Degree of Master of Science in Chemical Engineering on:*

† Menillio Bello, Waipahu, Hawaii

B.S.Ch.E., University of Notre Dame, 1957. Dissertation: The Determination of Thermal Diffusivity of Solid State Materials by a Simplified Periodic Heating Method.

† Charles W. Hummer, Junior, Balboa, Canal Zone

B.S.Ch.E., University of Notre Dame, 1959. Dissertation: The Determination of Inhibitor Control in Aqueous Solutions with Galvanic Couples.

Hugh Patrick Toner, New York, New York

B.S.Ch.E., University of Notre Dame, 1959. Dissertation: An Investigation of the Mechanism of Sintering of Polymethyl-Methacrylate.

*The Degree of Master of Science in Civil Engineering on:*

† Waddah Akili, Lattakia, Syria

B.S. in C.E., Robert College, Istanbul, 1959. Dissertation: Pressure Distribution Along the Embedded Length of a Post in Cohesionless Soil.

Lino da Cunha Gomes, Goa, Portuguese, India

B.E. (Civil), University of Poona, 1951. Dissertation: Stabilization of Beach Sand by Vibration.

† Khalid Raphael Hindo, Baghdad, Iraq

B.S. in C.E., Robert College, Istanbul, 1959. Dissertation: A Study of Hveem's Stabilometer Tests on Asphaltic Concrete.

David Christian Kraft, Marion, Ohio

B.S.C.E., University of Dayton, 1959. Dissertation: Theoretical And Model Analysis of Stresses in Folded Plate Structures With a Three Plate Joint.

George Jay Thelen, Covington, Kentucky

A.B., Villa Madonna College, 1958; B.S.C.E., University of Notre Dame, 1960. Dissertation: A Study of the Pressure Distribution, Deflection and Soil Modulus for Laterally Loaded Flexible Poles Embedded in Cohesionless Soil.

Barry Voight, Scarsdale, New York

B.S. in Geology, University of Notre Dame, 1959; B.S.C.E., *ibid.*, 1960. Dissertation: Subsurface Materials of St. Joseph County, Indiana.

*The Degree of Master of Science in Electrical Engineering on:*

† Gaston J.-Andre Aubé, Québec, Canada

B.S., University of Laval, 1958. Dissertation: Adaptive Control Systems.

- Michael Cowley, Manhasset, New York  
M.S.E.E., University of Notre Dame, 1959.
- William John Kelly, Junior, Drexel Hill, Pennsylvania  
B.S., Villanova University, 1959.
- Arthur F. Martz, Junior, Benton Harbor, Michigan  
B.S.E.E., University of Detroit, 1948.
- Leo F. Mayer, South Bend, Indiana  
B.S.E.E., Saint Louis University, 1956.
- George James McMurtry, Rockville, Indiana  
B.S., United States Naval Academy, 1955.
- Louis Albert Morine, Lakemore, Ohio  
B.S.E.E., University of Notre Dame, 1959.
- Frederic John Mowle, West Orange, New Jersey  
B.S.E.E., University of Notre Dame, 1959. Dissertation: Signal Strength Selection Multiplex System.
- † Howard Francis Prosser, Chicago, Illinois  
B.S.E.E., University of Notre Dame, 1959.
- Lawrence John Schipper, Levittown, New Jersey  
B.S.E.E., Marquette University, 1953.
- André G. Vacroux, Paris, France  
Ingénieur Radio, Ecole Supérieure d'Electricité, 1959. Dissertation: A Method of Converting Continuous Voltages to Digital Signals.
- Robert Emmett Walsh, Oswego, Oregon  
B.A., University of Oregon, 1951; B.S.E.E., University of Notre Dame, 1960.
- Sammy Nelson Watkins, South Bend, Indiana  
B.S.E.E., Christian Brothers College, 1959.
- Allan Lorens Wennerberg, St. Joseph, Michigan  
B.S.E.E., Indiana Technical College, 1956.
- William Ke-Chin Yuan, Taipei, Taiwan  
B.S. (Engr.), Battersea College of Technology, University of London, 1959
- The Degree of Master of Science in Engineering Science on:*
- Robert Golder Alderson, South Bend, Indiana  
B.E.S., The Johns Hopkins University, 1956.
- Renato Vince Cervelli, South Bend, Indiana  
B.S., United States Military Academy, 1945; B.S.M.E., Illinois Institute of Technology, 1953.
- Joseph Leonard Peczkowski, South Bend, Indiana  
B.S.M.E., Purdue University, 1951.
- Gordon D. Pfeifer, South Bend, Indiana  
B.S.M.E., Washington University, 1956.
- Henry Rainone, Brooklyn, New York  
B.S.E.E., Manhattan College, 1959. Dissertation: Production of a Constant Pressure Plane in a Cylinder, Electrohydrodynamically.
- John Edward Scheu, Junior, Hannibal, Missouri  
B.S.Ch.E., University of Notre Dame, 1959. Dissertation: A Method for Calculating the Probability of Detecting a Target.

Herman E. Tarnow, South Bend, Indiana  
B.S.A.E., Purdue University, 1959.

Robert Lundstrom Wixted, Mishawaka, Indiana  
B.S.M.E., University of Notre Dame, 1959. Dissertation: A Study of Hydrodynamic Forces By Means of an Electrical Analog.

*The Degree of Master of Science in Mechanical Engineering on:*

† Frederick Leo Coonan, Junior, Monterey, California  
B.S.M.E., University of Notre Dame, 1959. Dissertation: A Study of the Effects of Condensation on the Performance of Finned Tube Heat Exchangers.

† Marco Egoavil Suárez, Callao, Peru  
Mech. Engineer, Universidad Nacional de Ingenieria Lima, 1955.

† Leo James Finnegan, Butte, Montana  
B.S.M.E., Gonzaga University, 1959.

† John Michael Grace, Lockport, New York  
B.S.M.E., University of Notre Dame, 1959. Dissertation: An Approximate Solution to the Problem of Turbulent Heat Transfer in Ducts, With Special Applications to Liquid Metal Systems.

† Ernest Robert Menold, Springfield, Pennsylvania  
B.S.M.E., University of Notre Dame, 1959. Dissertation: Asymptotic Solutions for Unsteady Laminar Free Convection From Vertical Plates and Cylinders.

Robert J. Young, Andover, Massachusetts  
B.S.M.E., University of Notre Dame, 1959.

*The Degree of Master of Science in Metallurgical Engineering on:*

Bettadapur S. Ananthamurthy, Bangalore, India  
B.S., University of Mysore, 1956; Dipl. (Metal.) Indian Institute of Science, 1959. Dissertation: Kinetics of Order-Disorder Transformation in AuCu<sub>3</sub>.

Vittal Srinivas Bhandary, Mangalore, India  
B.S., St. Aloysius College, University of Madras, 1957. Dissertation: The Effect of Magnetic Annealing on the Recrystallization Texture of Iron.

James Arthur Donovan, Coytesville, New Jersey  
B.S.Metal.E., University of Notre Dame, 1959. Dissertation: Phase Relations of the Bismuth-Lead Telluride-Lead and Lead Telluride-Bismuth Telluride Systems.

† John Robert Feller, Greenville, Michigan  
B.S.Metal.E., University of Notre Dame, 1959. Dissertation: X-Ray Irradiation and Bleaching of KCl Crystals.

Robert Patrick O'Shea, Chicago, Illinois  
B.S.Metal.E., University of Notre Dame, 1959. Dissertation: Phase Diagrams of the Bismuth-Lead Telluride-Tellurium System.

† Donald Edward Scherpereel, South Bend, Indiana  
B.S.Metal.E., University of Notre Dame, 1959. Dissertation: Dislocations in Potassium Chloride.

D. A. Venkatu, Bangalore, India  
B.S., University of Mysore, 1955; Dipl. (Metal.), Indian Institute of Science, 1958. Dissertation: X-Ray Irradiation and Bleaching of KCl Crystals.

## THE LAW SCHOOL

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 Richard Stephen Beske, Belleville, Illinois  
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 Rocco Louis Puntureri, Grove City, Pennsylvania  
 Charles Augustus Robison, Avon Lake, Ohio  
 Michael Anthony Rose, Pittsford, New York  
 Arthur LeRoy Roule, Jr., La Porte, Indiana  
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 Thomas Lindsay Shaffer,\* Fruita, Colorado  
 Robert Joseph Shockey, Oklahoma City, Oklahoma  
 Joseph Stephen Slade, South Bend, Indiana  
 Mason Dennis Sullivan, Chicago, Illinois

\* Cum Laude

\*\* Magna Cum Laude

\*\*\* Maxima Cum Laude

† Degree Conferred February 1, 1960

James Charles Talaga, Chicago, Illinois  
Daniel Robert Webber, Saginaw, Michigan  
Robert Ellsworth White, Grand Ridge, Illinois

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## THE COLLEGE OF ARTS AND LETTERS

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Roger Laurent Bernardi, White Plains, New York  
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Gerald L. Carrier, Indianapolis, Indiana  
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Louis Carey Chapleau, South Bend, Indiana  
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John Gregory Christian, Lavallette, New Jersey  
Francis Richard Ciccone, Ambridge, Pennsylvania  
Carmen Jude Civella, Kansas City, Missouri

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 † Robert James Condon, Davenport, Iowa  
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 † Edward John Cornelia, Staten Island, New York  
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 Martin Lee Crystal, Wood River, Illinois  
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 Thomas Dalrymple, Dolton, Illinois  
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 James Edward Fahy, Springfield, Missouri  
 Edward Philip Farley, Madison, Wisconsin  
 Frank F. Fasel, Jr., St. Louis, Missouri  
 August Frederick Fath, Kalamazoo, Michigan  
 Thomas Fortune Fay, Wilmington, Delaware  
 James Clarence Felix, Cincinnati, Ohio



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 James Joseph Ferguson, C.S.C., Notre Dame, Indiana  
 Nicholas John Ferlazzo, Quantico, Virginia  
 † John Emmanuel Finlay, South Bend, Indiana  
 Joseph Francis Finnegan, C.S.C., Butte, Montana  
 James John Fiore, DeWitt, New York  
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 James Joseph Fitzpatrick, Detroit, Michigan  
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 John Franklin Flanigan, Fort Lauderdale, Florida  
 Paul John Fleming, Youngstown, Ohio  
 Noret Edwin Flood, Jr., Weslaco, Texas  
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 Gerald Ryan Foley, Anderson, South Carolina  
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 Thomas Joseph Gallagher, St. Petersburg, Florida  
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 Peter Matthew Glovna, Jr., Westlake, Ohio  
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 Patrick Sterling Hagood, Casper, Wyoming  
 Daniel Edward Halloran, Tempe, Arizona  
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 Gregory Lawrence Hellrung, Alton, Illinois  
 † Allen Hess, Park Forest, Illinois  
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 James Patrick Hickey, Jr., Forest Hills, New York  
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 Charles Carl Hoffman, Northampton, Pennsylvania  
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Gregory M. Holtz, Elkhart, Indiana  
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 Jerome Francis Keating, C.S.C., Chicago, Illinois  
 John Philip Keegan, Kearny, New Jersey  
 Robert Emmett Keeley, Chicago, Illinois  
 F. Patrick Kelly, Joliet, Illinois  
 James Michael Kelly, Miami Shores, Florida  
 Raphael Michael Kelly, Garden City, New York  
 Michael Kelly Kennedy, New Hampton, Iowa  
 James Patrick Kenny, Ambler, Pennsylvania  
 Joseph James Keyerleber, Shaker Heights, Ohio  
 Ronald Albert Kienlen, Aurora, Illinois  
 Mark Roland Kilduff, Humboldt, Tennessee  
 Michael Edward Killian, Akron, Ohio  
 Brother Francis Joseph Killoy, C.S.C., New Haven, Connecticut  
 David Hopkins Kilroy, Charlotte, North Carolina  
 James Joseph Kilroy, Charlotte, North Carolina  
 Charles Michael Koch, Chicago, Illinois  
 Thomas Powell Kohl, Fort Wayne, Indiana  
 Lawrence Francis Kolasa, Detroit, Michigan  
 Robert Frank Kopas, Cleveland, Ohio  
 Edward Allan Kresser, Aurora, Illinois  
 Jerome Thomas Kriegshauser,\*\* Glendale, Missouri  
 Robert Lawrence Kroha, Detroit, Michigan  
 John Aloysius Kromkowski, South Bend, Indiana  
 † James Louis Kubiak, South Bend, Indiana  
 Thomas Ernest Larkin, Jr., Buck Hill Falls, Pennsylvania  
 Andrew James Lawlor, Brooklyn, New York  
 Richard Joseph Leclerc, C.S.C., Chappleau, Ontario, Canada  
 David Patrick Lee, South Portland, Maine  
 Charles Francis Lennon, Joliet, Illinois  
 Terrence Eugene Leonard, Skokie, Illinois  
 Arnold Leporati, Jr., Queens Village, New York  
 Stephen Anthony Leroux, Tulsa, Oklahoma  
 George Lesnik, Brooklyn, New York  
 Joseph Reed Libby, Palm Beach, Florida  
 Terrence Joseph Lilly, Kalamazoo, Michigan  
 Anthony J. Liquori, Jr., West Springfield, Massachusetts  
 David Berdon Lloyd, Lake Charles, Louisiana  
 Armando Maximiliano Loizaga, Mexico City, Mexico  
 Robert Christopher Lund,\* New Rochelle, New York  
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 Daniel Loeb Lyons, Brooklyn, New York  
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James Donald Madden, Chicago, Illinois  
 Robert Gabriel Mahony, Oak Park, Illinois  
 Charles Dennis Maloney, Columbus, Ohio  
 † Thomas Lambert Mammoser, Park Ridge, Illinois  
 Charles Edward Manix, Chicago, Illinois  
 Louis Anthony Marre, Fort Smith, Arkansas  
 Terrence Keech Martin, Newport News, Virginia  
 William Malone Martin, Larchmont, New York  
 Gerald Edward Matheis, Rochester, New York  
 Edward George McAnaney, Yonkers, New York  
 Edward Joseph McCafferty, Jr., Philadelphia, Pennsylvania  
 David Michael McCann, South Orange, New Jersey  
 David John McDonald, Jr., Pittsburgh, Pennsylvania  
 Michael Austin McDonald, C.S.C., Port Dalhousie, Ontario, Canada  
 Edward Bailey McDonough, Jr., Galveston, Texas  
 Daniel Leo McGinnis, Honesdale, Pennsylvania  
 Peter John McGovern, Jackson Heights, New York  
 Edward John McGrath, Westbury, New York  
 Francis Gerard McGrath,\* Scarsdale, New York  
 Frank Lamport McGuane, Jr., Katonah, New York  
 James Warburton McKeever, Brooklyn, New York  
 John Philip McLaughlin, Ogden, Utah  
 Michael Beirne McMahon, Pittsburgh, Pennsylvania  
 John Francis McNamara, Whiting, Indiana  
 James Patrick McVeigh, Honesdale, Pennsylvania  
 Paul Joseph Meert, Los Angeles, California  
 Henry Lee Merry, Minneapolis, Minnesota  
 Frederick Roy Merz, St. Louis, Missouri  
 John Richard Miller, Jr., Detroit, Michigan  
 Daniel Patrick Mitchell, III, Woodbury, New Jersey  
 Dan Joseph Mitola, Jr., Portland, Oregon  
 Christopher Francis Monahan, Packanack Lake, New Jersey  
 Jay D. Mondry, Grand Forks, North Dakota  
 Thomas Anthony Monsour, Syracuse, New York  
 Dennis James Montali, Oakland, California  
 Julian Paul Moore, Alexandria, Virginia  
 Charles Michael Morris, De Pere, Wisconsin  
 Earl Arthur Mossner, Grosse Pointe Shores, Michigan  
 Kurt Scott Kaleo Moylan, Agana, Guam  
 Thomas Finan Mudd, La Plata, Maryland  
 James Chadwick Mulligan,\* Reading, Pennsylvania  
 John Garrett Mulrooney, Mankato, Minnesota  
 Eugene Joseph Mulvaney, Jr., Orange, New Jersey  
 Thomas Orville Murch, Alpena, Michigan  
 James Edward Murphy, Trenton, New Jersey  
 James Francis Murphy, Havre de Grace, Maryland  
 John Louis Murphy, Columbus, Ohio  
 William Peter Murphy, North Arlington, New Jersey  
 Philip Rink Murtaugh, Chicago, Illinois  
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 Michael Bernard Nash, Chicago, Illinois  
 John Paul Nebel, Mount Clemens, Michigan  
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 William Otto Pregonzer, Lakewood, Ohio  
 Thomas Anthony Reardon, Chicago, Illinois  
 Victor Gerald Rosamilia, Bloomfield, New Jersey  
 Stephen Andrew Scharfenberg,\* Columbus, Georgia  
 Ronald John Schelling, Aurora, Illinois  
 Francois Wilfrid Séguin,\* Southbridge, Massachusetts  
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 Emmett Jerome Sharkey, North Baldwin, New York  
 John Leo Showel, River Forest, Illinois  
 Lawrence Ronald Silvera, Antioch, California  
 Colin Thomas Sutherland,\*\* Detroit, Michigan  
 Joseph Peter Torter, Tenaflly, New Jersey  
 Chris Allen Van Devere, Akron, Ohio

Frederick Joseph Weigand, Barberton, Ohio  
Theodore Claude Witt, Long Beach, California

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Christopher Deffner Watters,\* Ironton, Ohio

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Francis William Breivogel, Jr.,\*\* Paducah, Kentucky  
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Harry Thomas Hanson, Geneva, Illinois  
Ronald Richard Herm,\*\*\* Louisville, Kentucky  
Robert Gibson Koch, South Bend, Indiana  
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Joseph Anthony Costantino, Philadelphia, Pennsylvania  
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Ronald Jerome Dvorak, Chicago, Illinois  
Frederick Charles Franci, Riverside, Illinois  
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Charles Thomas Kelley, Jr., Marblehead, Massachusetts  
James Ronald Lawson, Gates Mills, Ohio  
Donald Richard Leavers, Charleston, Illinois  
Kenneth Florian Loje, Euclid, Ohio  
† Thomas Ewing Margrave, Jr., Warren, Ohio  
Robert Kunitake Maruyama, Tokyo, Japan  
William John O'Connell,\*\* Brooklyn, New York  
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Philip Meade Ryan, Scarsdale, New York  
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Georges Jean Catalàa, San Rafael, California  
Gary Martin Connell,\* Hampton, Iowa  
James Michael Connolly, New Hyde Park, New York  
John Joseph Dixson, Jamaica, New York  
Thomas Lee Elbersen, Defiance, Ohio  
John Edward Flynn, Trenton, New Jersey  
William Frederick, Jr., Bayonne, New Jersey  
William Frank Hug, Chicago, Illinois  
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William Barnes Maguire, Olmstedville, New York  
Walter Joseph O'Toole, Jr., Kansas City, Missouri  
John Frederick Rathman, Pierre, South Dakota  
Lawrence Albert Richards, Duquesne, Pennsylvania  
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† Richard Walter Quinn, New Britain, Connecticut  
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Walter Patrick Sterling, South Bend, Indiana  
Luis Henry Summers P., Lima, Peru  
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† Eugene Francis Citrone, Latrobe, Pennsylvania  
David John Cronin, Beverly, Massachusetts  
† Frank Gerald Cser, St. Louis, Missouri

Luino Dell'Osso, Jr., Galveston, Texas  
 Robert Knox Dotson, Waterloo, Iowa  
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 John Edward Hutchings, Muncie, Indiana  
 Joseph Paul Ingarra, Queens Village, New York  
 James Anthony Kaval, Cleveland, Ohio  
 Joseph William Keating, Rockford, Illinois  
 Philip Donald Klimek, St. Michael, Minnesota  
 William Albert Knipper, Pensacola, Florida  
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 Robert Kopp Leonard, Jeffersonville, Indiana  
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 Peter Louis Giaimo, Flushing, New York  
 Theodore Alan Gleason, Gilmore City, Iowa  
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 † Emil Christopher Herkert, West New York, New Jersey  
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 † Enrique Silva, Bogota, Colombia, South America  
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 Theodore John Wynne, South Bend, Indiana  
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 John Edward Beck, Little Rock, Arkansas  
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 † Raymond Thomas Bender, Burlington, North Carolina  
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 John Aloysius Braun, Reading, Pennsylvania  
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 Jerome Michael Vandewalle, South Bend, Indiana  
 Anton Ferdinand Vierling, Westport, Connecticut  
 † John Andrew Walker, Arlington, Virginia  
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 John Harrison Whitaker, Prairie Village, Kansas  
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 Dean Leo Jacobson, Kearney, Nebraska  
 Thomas Cashion Jordan,\* Evanston, Illinois  
 † Charles Arthur MacMillan, Jackson, Ohio  
 Daniel Francis Materna, Bayonne, New Jersey  
 John O'Neil Schiffgens, New Kensington, Pennsylvania

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 Kenneth James Anderson, Brady, Texas

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 Bruce Ryan Campbell, Pompano Beach, Florida  
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 Thomas Edward Carpenter, Bradley, Illinois  
 John George Cate, Wyandotte, Michigan  
 John Camille Cavalier, Rochester, New York  
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 Patrick Thomas Clark, Warren, Ohio  
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 John Joseph Cooney, Wyomissing, Pennsylvania  
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 William Clarence Steber, River Forest, Illinois

Michael John Stepanek, Jr., La Porte, Indiana  
 Edward John Straub, South Bend, Indiana  
 James Kenneth Stucko, Chicago, Illinois  
 Brian Edward Sullivan, Overland Park, Kansas  
 Kenneth Joseph Sullivan, Salt Lake City, Utah  
 Thomas Raymond Sullivan, Maspeth, New York  
 Ronald Joseph Szweda,\* Cleveland, Ohio  
 Thomas Andrew Tafelski, Toledo, Ohio  
 James Vincent Thiele, Darien, Wisconsin  
 William Francis Thon, Rio Piedras, Puerto Rico  
 James Edward Travers, Carbondale, Illinois  
 James Malachy Tynan, Seaford, New York  
 James Dean Uhl, Jr., East Peoria, Illinois  
 Ramon John Vales,\* Rye, New York  
 William Henry Veeneman III, Louisville, Kentucky  
 James Edward Verdick, Morrison, Illinois  
 Joseph Rosolino Viola, Shreveport, Louisiana  
 † Leo Joseph Wachter, Jr., Altoona, Pennsylvania  
 Michael Howard Wade, Juneau, Alaska  
 James Allen Waldorf, Chicago, Illinois  
 Maxey James Wallace III, Richmond, Virginia  
 William B. Weist, Fowler, Indiana  
 William Joseph Welch, Jr., Garden City, New York  
 Graham Anthony Werner, New London, Wisconsin  
 William Louis Werner, Jr., Little Rock, Arkansas  
 † Kevin Joseph Whalen, Whitman, Massachusetts  
 James Michael White, Chicago, Illinois  
 A. Michael Wich, Detroit, Michigan  
 Robert Walter Williamson, Jr.,\* South Bend, Indiana  
 David Charles Wochner, Bloomington, Illinois  
 Patrick Clarke Woodward, Wichita, Kansas  
 Michael Charles Young,\* Danville, Illinois  
 Robert William Young, Detroit, Michigan  
 Richard Paul Zang, Kewanee, Illinois  
 Thomas Anthony Zipprich, Chicago, Illinois  
 Ronald Henry Zlotnik, Rochester, New York  
 George Bruno Zywert, South Bend, Indiana

**NATIONAL FELLOWSHIPS AND SCHOLARSHIPS  
AWARDED FOR 1961-62**

*United States Government Fellowships for Study Abroad:*  
(Fulbright Fellowships)

John E. Clark, for study in Spain (Modern Language)  
William J. O'Connell, for study in Germany (Physics)

*National Science Foundation Predoctoral Fellowships:*

Michael E. Austin (Engineering)  
Robert B. Burkel (Mathematics)  
Ronald R. Herm (Chemistry)  
William T. Lynch (Engineering)  
James A. MacMahon (Biology)  
George L. Niemeyer, Jr. (Engineering)  
William J. O'Connell (Physics)  
Sister Mary Brendan Pierson, S.N.D. (Microbiology)  
Charles J. Ramsden (Engineering)  
John E. Wilson (Biochemistry)  
James F. Wirth (Mathematics)

*National Science Foundation Cooperative Graduate Fellowships:*

Michael J. Brienza (Physics)  
Arthur M. Cowley (Engineering)  
Gerard P. Lietz (Physics)  
Theodore E. Madey (Physics)  
John Misner (Mathematics)  
James F. Slifker (Mathematics)  
Donald R. Weidman (Mathematics)

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

Jean M. Beaudoin (Engineering)  
William E. Dorenbusch (Physics)  
Donald L. Malaker (Physics)

*National Institutes of Health Postdoctoral Fellowship:*

William R. Klemm (Biology)

*American Association of University Women Scholarship:*

Sister Theresa Clare Hogan, C.S.F. (English)

*Woodrow Wilson Fellowships:*

Kenneth M. Brown	David C. Hudson
Robert B. Burkel	John K. Kealy, Jr.
John J. Burns, Jr.	Jerome T. Kriegshauser
John C. Cahalan	William D. Pflaum
John E. Clark	Joseph A. Pichler
Arthur Dechene	Guy D. Powers
John H. Engler	Mark E. Thompson

*Danforth Fellowship:*

John H. Engler



## THE ACADEMIC COSTUME CODE

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

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

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

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

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

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

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### Subject Field Colors Used on Hoods and Caps

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

*Blue and Gold in Hoods Denotes a Notre Dame Degree*