

# University of Notre Dame du Lac



1984 Commencement | August 3

Official

University of Notre Dame du Lac

---

1984 Commencement | August 3

## Events of the Day

*Friday, August 3, 1984*

### BACCALAUREATE MASS

- 8:40 a.m. Graduates and faculty assemble in Administration Building, Main Floor, for Academic Procession to Sacred Heart Church.
- 8:50 a.m. Academic Procession departs for Sacred Heart Church
- 9:00 a.m. Baccalaureate Mass—  
Sacred Heart Church

#### *Presiding Celebrant:*

Rev. Francis T. Cafarelli, C.S.C.  
Assistant Vice President for Student Services  
University of Notre Dame

#### *Concelebrants:*

Priests who will receive degrees during the Commencement Exercises, priest members of the faculty and priest members of the Congregation of Holy Cross.

#### *Homilist:*

Rev. Joseph L. Walter, C.S.C.  
Chairman, Department of Preprofessional Studies  
University of Notre Dame

### COMMENCEMENT EXERCISES CONFERRAL OF DEGREES

- 10:15 a.m. Graduates and faculty assemble in the Auxiliary Gym of the Athletic and Convocation Center. Please enter Gate 1 or 2.
- 10:50 a.m. Academic Procession begins
- 11:00 a.m. Conferring of Degrees in the Athletic and Convocation Center — Concourse.

#### *Commencement Address:*

Donald P. Costello, Ph.D.  
Professor of American Studies  
and Communication Arts  
University of Notre Dame

(Guests are requested to please be seated on the Concourse in Athletic and Convocation Center no later than 10:50 a.m.)

# Baccalaureate Mass

---

Sacred Heart Church  
University of Notre Dame  
Notre Dame, Indiana  
at 9 a.m. (Eastern Standard Time)  
Friday, August 3, 1984

*Presiding Celebrant*  
Rev. Francis T. Cafarelli, C.S.C.

*Homilist*  
Rev. Joseph L. Walter, C.S.C.

*Lectors*  
Estelle Martin, RSM  
Rev. Kenneth F. Tabor

*Music Ministers:*

*Organ*  
Gail Walton

*Cantor*  
Rev. Peter D. Rocca, C.S.C.

*The Symphony Brass Quintet*  
Mr. Craig Heitger, trumpet  
Mr. Thomas Horein, trumpet  
Mrs. Peggy Horein, French horn  
Mr. Lawrence Dwyer, trombone  
Mr. Sam Gnagey, tuba

# BACCALAUREATE MASS

## VOTIVE MASS OF THE SACRED HEART

### PRE-SERVICE MUSIC

*Quintett in B Moll*.....Ewald  
*Canzona Bergamasca*.....Scheidt  
*Contrapunctus I*.....Bach

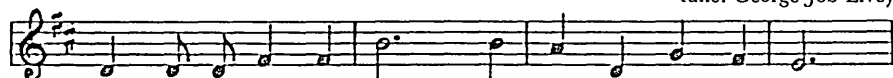
### PROCESSIONAL

*Canzona Per Sonare No. II*.....Gabrielli  
*Two Ayres*.....Adson  
*Two Pieces*.....Holborne

### HYMN

#### Crown Him With Many Crowns

text: Matthew Bridges  
Godfrey Thring  
tune: George Job Elvey



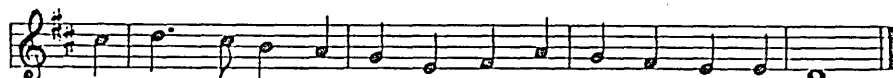
Crown him with man - y crowns, The Lamb up - on his throne;  
Crown him the Lord of love! Be - hold his hands and side;  
Crown him the Lord of life, Who tri - umphed o'er the grave,



Hark! how the heav'n-ly an - them drowns all mu - sic but its own!  
Rich wounds, yet vis - i - ble a - bove, In beau-ty glo - ri - fied;  
And rose vic - to - rious in the\_ strife For those he came to save.



I raise my voice and sing Of him who died for me  
No an - gel in the sky Can ful - ly bear that sight,  
His glo - ries now we sing Who died and rose on high,



And hail him as my match-less King Thru all e - ter - ni - ty!  
But down-ward turns his burn - ing eye At mys - ter - ies so bright!  
Who died, e - ter - nal life to bring, And lives that death may die!

### OPENING PRAYER

## Liturgy of the Word

### READING I

Jeremiah 26:1-9  
*All the people gathered to worship the Lord.*

### PSALM 23

*mf*  
I am the Good Shep-herd, I pas-ture my sheep, — For  
them I lay down my life, — al-le-lu ia. —

The musical notation for Psalm 23 is written on two staves in G major (one sharp). The first staff begins with a treble clef, a key signature of one sharp (F#), and a tempo marking of *mf*. The melody consists of eighth and quarter notes, with a fermata over the final note. The second staff continues the melody, also featuring eighth and quarter notes, and ends with a double bar line. The lyrics are printed below the notes, with hyphens indicating syllables that span across notes.

### READING II

Eph. 3:8-12  
*God has given me the privilege of proclaiming the riches of Christ to all the nations.*

### GOSPEL ACCLAMATION

CANTOR: CONGREGATION: CANTOR:  
Al-le-lu-ia. Al-le-lu-ia. Al-le-lu-ia.  
CONGREGATION: CANTOR: CONGREGATION: *allarg.*  
Al-le-lu-ia. Al-le-lu-ia. Al-le-lu-ia.

The musical notation for the Gospel Acclamation is written on two staves in 4/4 time. The first staff shows alternating parts for the Cantor and the Congregation, each with a treble clef and a key signature of one sharp (F#). The Cantor's part is marked with a *f* (forte) dynamic. The Congregation's part is marked with a *f* (forte) dynamic. The second staff continues the alternating parts, with the final Congregation part marked *allarg.* (ritardando). The lyrics "Al-le-lu-ia." are printed below the notes, with hyphens indicating syllables that span across notes.

### GOSPEL

Matthew 13:54-58  
*Where did he get all his wisdom?*

*It is customary for men,  
although not for women  
wearing academic garb, to have  
their caps removed during the  
Gospel and homily.*

### HOMILY

### GENERAL INTERCESSIONS

*Response: Lord, hear our prayer*

## Liturgy of the Eucharist

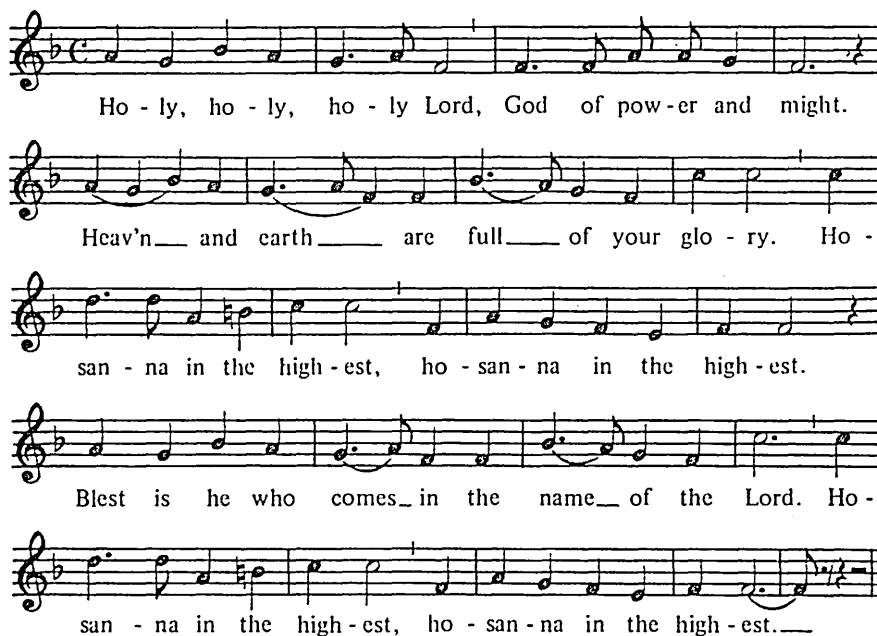
### PREPARATION RITE

*Pavane* ..... Byrd  
*Fantasia* ..... Boyce

### PRAYER OVER THE GIFTS

## Eucharistic Prayer\*

### PREFACE + SANCTUS



Ho - ly, ho - ly, ho - ly Lord, God of pow - er and might.

Heav'n\_\_\_ and earth\_\_\_ are full\_\_\_ of your glo - ry. Ho -

san - na in the high - est, ho - san - na in the high - est.

Blest is he who comes\_\_\_ in the name\_\_\_ of the Lord. Ho -

san - na in the high - est, ho - san - na in the high - est.---

### MEMORIAL ACCLAMATION



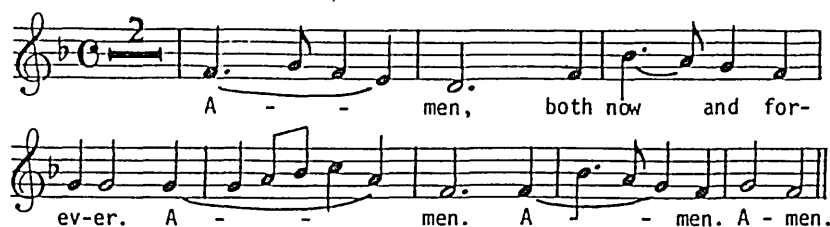
When we eat this bread and drink this—

cup, we pro - claim your death, Lord Je - sus, un -

til you come in glo - ry, un - til you come in glo - ry.

\*It is customary for men, although not for women wearing academic garb, to have their caps removed during the Eucharistic Prayer. The caps may be replaced at the end of Communion.

# GREAT AMEN

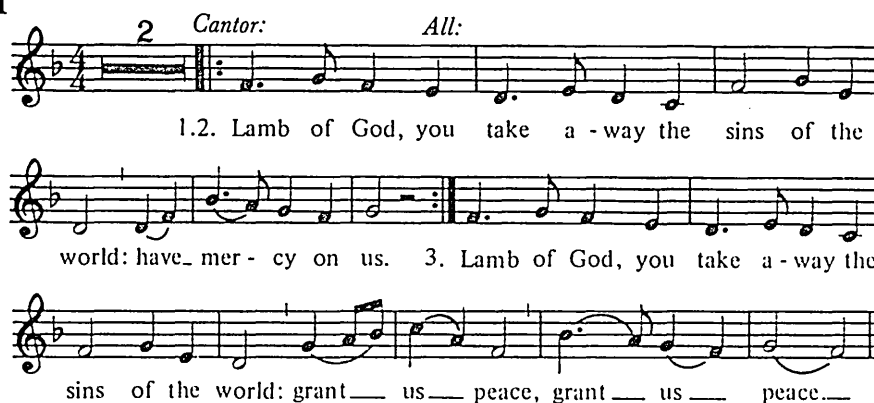


## Communion Rite

### LORD'S PRAYER + DOXOLOGY

### SIGN OF PEACE

### AGNUS DEI



### COMMUNION PROCESSION Gift of Finest Wheat



### PRAYER AFTER COMMUNION



# Closing Rite

## BLESSING + DISMISSAL

### HYMN

#### Love Divine, All Loves Excelling

text: Charles Wesley  
tune: Rowland H. Prichard

*Love divine, all loves excelling,  
Joy of heaven, to earth come down!  
Fix in us thy humble dwelling,  
All thy faithful mercies crown.  
Jesus, thou art all compassion,  
Pure unbounded love thou art;  
Visit us with thy salvation,  
Enter every trembling heart.  
  
Come, almighty to deliver,  
Let us all thy life receive;  
Suddenly return, and never,  
Never more thy temples leave.  
Thee we would be always blessing,  
Serve thee as thy hosts above,  
Pray, and praise thee without ceasing,  
Glory in thy precious love.*

### POSTLUDE

#### CANZON DUODECIMI TONI

G. Gabrieli

#### Copyright Information:

PSALM 23 by Theophane Hytrek, OSF, GIA Publications, 7404 S. Mason Avenue, Chicago, Ill. 60638. Used with permission. All rights reserved. License #1180.

SANCTUS, MEMORIAL ACCLAMATION, GREAT AMEN and AGNUS DEI by Richard Proulx, GIA Publications, Inc. Used with permission. All rights reserved. License #1180.

GOSPEL ACCLAMATION by Howard Hughes, S.M., GIA Publications, Inc. Used with permission. All rights reserved. License #1180.

"Gift of Finest Wheat" by O. Westendorf and R. Kreutz, Board of Governors, 41st International Eucharist Congress, Inc., Philadelphia, PA, 1976. Used with permission. All rights reserved.

# One Hundred Thirty-Ninth Commencement Exercises

---

The Graduate School  
The Law School  
The College of Arts and Letters  
The College of Science  
The College of Engineering  
The College of Business Administration

Athletic and Convocation Center  
(Concourse)  
University of Notre Dame  
Notre Dame, Indiana  
At 11 a.m. (Eastern Standard Time)  
Friday, August 3, 1984

# Order of the Exercises

## Processional

America, the Beautiful—

*O beautiful for spacious skies,  
For amber waves of grain  
For purple mountain majesties  
Above the fruited plain.  
America! America!  
God shed his grace on thee,  
And crown thy good with brotherhood  
from sea to shining sea.*

## Convening of the Convocation

by Timothy O'Meara, Ph.D.  
Provost of The University

## Presentation of Candidates for Degrees

The degree of Doctor of Philosophy  
by Chau T. M. Le, Ph.D.  
Assistant Vice President for Advanced Studies

The Master degree  
by Chau T. M. Le, Ph.D.  
Assistant Vice President for Advanced Studies

The degree of Bachelor of Arts  
by Michael J. Loux, Ph.D.  
Dean of the College of Arts and Letters

The degree of Bachelor of Science  
by Francis J. Castellino, Ph.D.  
Dean of the College of Science

The Bachelor degrees in the College of  
Engineering  
by Roger A. Schmitz, Ph.D.  
Dean of the College of  
Engineering

The degree of Bachelor of Business  
Administration  
by Yusaku Furuhashi, Ph.D.  
Associate Dean of the College of Business

## The Conferral of Degrees

The Provost of the University

## Commencement Address

Donald P. Costello, Ph.D.  
Professor of American Studies and  
Communication Arts

## Closing Remarks

The Provost of the University

## 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.*

## Recessional of the Platform Party

*\*It is customary for men, although not for women, wearing  
academic garb to have their caps removed during the  
Commencement Address and the singing of the Alma  
Mater.*

# In the Graduate School

## THE DEGREE OF DOCTOR OF PHILOSOPHY ON:

Adel Yhia Akl, Cairo University, Giza, Egypt  
Major subject: Civil Engineering. Dissertation: Analysis and Design of Buried Culverts with Slotted Joints. Director: Dr. Michael G. Katona.

Sukyong Joan Choi, Seoul, Korea  
Major subject: Government and International Studies. Dissertation: Diplomatic Recognition Problems of a Divided Nation: The Case of Korea. Director: Dr. Peter R. Moody, Jr.

Brian Patrick Conniff, Peckville, Pennsylvania  
Major subject: English. Dissertation: The Lyric and Modern Poetry. Co-Directors: Prof. John E. Matthias and Dr. Stephen A. Fredman.

Geoffrey A. D'Netto, Madras, India  
Major subject: Chemical Engineering. Dissertation: Thermographic Studies of Catalytic Reaction Dynamics. Director: Dr. Roger A. Schmitz.

Shashank Vaman Dhalewadikar, Sangli 416416, India  
Major subject: Chemical Engineering. Dissertation: Ethylene Oxidation on Supported Platinum Catalyst in a Nonadiabatic Fixed-Bed Reactor: Experiments and Model. Director: Dr. Arvind Varma.

Kenneth William Kemp, Tipton, Iowa  
Major subject: Philosophy. Dissertation: Just-War Theory & the Casuistry of Prima Facie Duties. Co-Directors: Dr. W. David Solomon and Dr. James P. Sterba.

Joseph Paul Kuczynski, Valrico, Florida  
Major subject: Chemistry. Dissertation: Photochemistry on Colloidal Cadmium Sulfide. Director: Dr. J. Kerry Thomas.

Mark Steven Mazur, Bedford, Ohio  
Major subject: Mathematics. Dissertation: The 2-Adic Schur Index Using Modular and Integral Representation Theory. Director: Dr. Karl M. Kronstein.

Jack David McMillen, Indiana, Pennsylvania  
Major subject: Biology. Dissertation: Tree Species Distributions in the Eastern United States: Their Climatic Limits and Floristic Groupings. Director: Dr. Theodore J. Crovello.

Nancy Anne Powe Nekvasil, Buchanan, Michigan  
Major subject: Biology. Dissertation: Regulation of Circulating Catecholamine Levels Via Uptake, Metabolism, and Secretion in the Rainbow Trout (*Salmo Gairdneri*). Director: Dr. Kenneth R. Olson.

Linda Claycomb Pelzer, South Bend, Indiana  
Major subject: English. Dissertation: Henry James and the Rhetoric of Gesture. Director: Dr. Joseph X. Brennan.

Charles Robert Pinches, Geneva, Illinois  
Major subject: Theology. Dissertation: Describing Morality: An Inquiry Concerning the Role of Description in Christian Ethics. Director: Stanley M. Hauerwas.

Linn Marie Sinnott, Washington, Indiana  
Major subject: English. Dissertation: Style and Context of Situation in Middle English Prose. Director: Dr. Edward A. Kline.

Bala Subramaniam, Madras, India  
Major subject: Chemical Engineering. Dissertation: Reactions of Carbon Monoxide, Nitric Oxide, Oxygen and Water Vapor on Commercial Pt/ $\gamma$ -Al<sub>2</sub>O<sub>3</sub> and Three-Way Catalysts. Director: Dr. Arvind Varma.

Sara M. Terian, Berrien Springs, Michigan  
Major subject: Sociology. Dissertation: The Other Side of Good Samaritanism: The Helping Ethic in Judeo-Christian Ideology and Practice. Director: Dr. Fabio B. Dasilva.

Mary Theresa Treanor, S.C., Bronx, New York  
Major subject: Mathematics. Dissertation: Cayley Algebras and the Isomorphisms of Orthogonal Groups in Characteristic Two. Director: Dr. Alexander J. Hahn.

Graduate School

THE DEGREE OF MASTER OF  
FINE ARTS ON:

David F. Habicht, Buchanan, Michigan

THE DEGREE OF MASTER OF ARTS ON:

Lynda C. Abusamra, South Bend, Indiana

Major subject: Psychology. Thesis: Age and Sensitivity to Static and Moving Gratings: A Transient Channel Loss? Director: Dr. Donald W. Kline.

Judith Vanderheyden Adamo, South Bend, Indiana  
Major subject: History.

Teresa Mary Ball, Missoula, Montana  
Major subject: Theology (Liturgy).

Patricia Baxter, SNJM, Marylhurst, Oregon  
Major subject: Theology.

Mary Ann Lillian Beavis, Winnipeg, Manitoba, Canada  
Major subject: Theology.

Pamela Sue Becker, Vermilion, Ohio  
Major subject: Psychology.

Karen Allison Black, Port-of-Spain, Trinidad  
Major subject: History.

Daniel E. Braun, Rochester, Michigan  
Major subject: History.

Lisa A. Caldas, Canton, Ohio  
Major subject: Psychology.

Timothy J. Chambers, Ogdenburg, New York  
Major subject: History.

Martha Elizabeth Conroy, R.S.M., Portland, Maine  
Major subject: Theology (Liturgy).

Susan Marie Corazza, Clarksburg, Maryland  
Major subject: Theology.

Kathleen Cour, O.P., Aurora, Illinois  
Major subject: Theology (Liturgy).

Scott W. Crass, South Bend, Indiana  
Major subject: History and Philosophy of Science.

Bernard Deprez, CICM, Belgium  
Major subject: Theology.

Dorothy M. Dwight, B.V.M., Chicago, Illinois  
Major subject: Theology (Liturgy).

Douglas S. Edmonds, S.V.D., Bay St. Louis, Mississippi  
Major subject: Theology.

Timothy A. Eigo, Poughquag, New York  
Major subject: English.

Paul Joseph Ermak, Sioux City, Iowa  
Major subject: Theology.

Judith R. Fean, Mishawaka, Indiana  
Major subject: Theology.

Barbara-Jean Maria Fening, Cincinnati, Ohio  
Major subject: English.

Rev. Joseph C. Fogarty, O.P., East Lansing, Michigan  
Major subject: Theology (Liturgy).

Timothy L. Fort, Stronghurst, Illinois  
Major subject: Theology.

Beverly Ann Fowler, O.P., Sinsinawa, Wisconsin  
Major subject: Theology (Liturgy).

Rev. Dale J. Fushek, Phoenix, Arizona  
Major subject: Theology (Liturgy).

Sharon Lee Higgins, Reno, Nevada  
Major subject: Psychology.

Dina Theresa Hijazi, Houston, Texas  
Major subject: Psychology.

Rev. Edward James Hislop, Helena, Montana  
Major subject: Theology (Liturgy).

Gerald Iacullo, New Rochelle, New York  
Major subject: Theology (Liturgy).

Joann Julka, S.S.S.F., Madison, Wisconsin  
Major subject: Theology.

Frankie King, Macon, Georgia  
Major subject: Government and International Studies.

Mary Claire Mansavage Klein, Three Oaks, Michigan  
Major subject: Theology (Liturgy).

Joanne Marie LaPierre, Newburyport, Massachusetts  
Major subject: English.

Ann Elizabeth Lohmuller, Davenport, Iowa  
Major subject: Communication Arts.

Berenice Maroney, CSJ, Pittsburgh, Pennsylvania  
Major subject: History.

Estelle Martin, RSM, Rochester, New York  
Major subject: Theology (Liturgy).

Paula S. McLean, Syracuse, Indiana  
Major subject: Psychology.

Raymond Joseph Meyer, South Bend, Indiana  
Major subject: History.

Sara Phyllis Muir, Boyle, Mississippi  
Major subject: Theology.

William B. Murphy, C.P., Baltimore, Maryland  
Major subject: Theology (Liturgy).

Stanley Michael Muschett Ibarra, Oscar, Panama  
Major subject: Government and International Studies.

Rev. William George Myers, Nauvoo, Illinois  
Major subject: Theology (Liturgy).

Mary E. Noel, Akron, Ohio  
Major subject: Theology.

Sister Nina O'Connor, O.P., Springfield, Illinois  
Major subject: English.

J. Chatham Olive, Charlotte, North Carolina  
Major subject: Communication Arts.

Michael Joseph Ostermeyer, Decorah, Iowa  
Major subject: English.

Joanne Podlucky, O.P., Adrian, Michigan  
Major subject: Communication Arts.

Rosalie M. Riccobono, O.S.M., Detroit, Michigan  
Major subject: Theology (Liturgy).

Rev. Gregory S. Sakowicz, Schaumburg, Illinois  
Major subject: Theology (Liturgy).

Kevin Dean Saunders, Tempe, Arizona  
Major subject: Theology.

William Andrew Schnell, Elgin, Illinois  
Major subject: Psychology.

Sr. Barbara Claire Schreier, M.S.C., Princeton, New Jersey  
Major subject: Theology.

Rev. Gene Francis Smith, Chicago, Illinois  
Major subject: English.

Diana Maria Sobota, Forty Fort, Pennsylvania  
Major subject: Psychology.

LeaAnn Marie Stagg, Bemidji, Minnesota  
Major subject: Economics.

John Fergus Sweeney, Belt, Montana  
Major subject: English.

Rev. Kenneth F. Tabor, Berwyn, Illinois  
Major subject: Theology.

Donna Marie Teevan, Memphis, Tennessee  
Major subject: Theology.

Thomas Anthony Trozzolo, South Bend, Indiana  
Major subject: Sociology.

Rev. Stephen G. Virginia, Portsmouth, Ohio  
Major subject: Theology (Liturgy).

John R. Wilcox, Rochester, New York  
Major subject: Philosophy.

Roger Duane Williams, Liberal, Kansas  
Major subject: Psychology.

Sister Jean Wolbert, O.S.B., Erie, Pennsylvania  
Major subject: Theology (Liturgy).

Gertrude Ann Youngberg, Calgary, Alberta, Canada  
Major subject: Theology.

#### THE DEGREE OF MASTER OF MUSIC ON:

Terrence Mark Joy, Portland, Oregon  
Janet L. Kitts, Rocky Mount, North Carolina

#### THE DEGREE OF MASTER OF SCIENCE ON:

Francis Abonga Awanya, Kitgum, Uganda  
Major subject: Chemistry. Thesis: Investigation of the Electron Transfer Reactions of 9-Molybdonickelate (IV) Ions with Hexacyanoferrate (II) Ions. Director: Dr. Alexander G. Lappin.

Pien Chien, Taipei, Taiwan R.O.C.  
Major subject: Physics.

Pamela Lee Hite, Paducah, Kentucky  
Major subject: Chemistry. Thesis: Interfacial Photophysics of 3-Aminopyrene. Director: Dr. J. Kerry Thomas.

Yin Luo, Beijing, People's Republic of China  
Major subject: Chemistry. Thesis: High Resolution Emission Bands of the  $A^2\Pi-X^2\Pi$  System of  $SO^+$ . Director: Dr. Daniel H. Winicur.

Nozibele P. Mjoli, Bophuthatswana, South Africa  
Major subject: Microbiology.

#### THE DEGREE OF MASTER OF SCIENCE IN AEROSPACE ENGINEERING ON:

Brian Marc Wilcox, Edmond, Oklahoma

#### THE DEGREE OF MASTER OF SCIENCE IN CHEMICAL ENGINEERING ON:

Evan George Bauman, Great Neck, New York  
James Brian Beckwith, Bethesda, Maryland  
Timothy L. Faley, Midland, Michigan  
Daria Karimian, Gaithersburg, Maryland  
Cassian Kai-Shun Lee, Minneapolis, Minnesota  
Panayiotis E. Papageorgiou, Cyprus  
Thesis: Preparation of  $Pt/\gamma-Al_2O_3$  Pellets with Internal Step-Distribution of Catalyst. Director: Dr. Arvind Varma.

THE DEGREE OF MASTER OF SCIENCE IN  
CIVIL ENGINEERING ON:

Hong-Taek Kim, Seoul, Korea

THE DEGREE OF MASTER OF SCIENCE IN  
ELECTRICAL ENGINEERING ON:

Tapas Datta, Gauhati, India

Thesis: A Time Shared, Multiple Access Memory  
and Memory Support System for Graphics Over-  
lay. Director: Dr. Eugene W. Henry.

Srinivasan Govindarajan, Madras, India

Thesis: An Emulator for the Intel 8085 Micro-  
processor. Director: Dr. John J. Ubran, Jr.

Qiu Huang, Shanghai, China

Farid Khairallah, Bhamdoun Village, Lebanon

Thesis: Data Communication Software for Process  
Control. Director: Dr. Eugene W. Henry.

David B. Meehan, Ft. Lauderdale, Florida

Thesis: Device Independent Computer Graphics  
with Applications for the Prime Computer Sys-  
tem. Director: Dr. Eugene W. Henry.

Kevin James Shortelle, Walnut Creek, California

Thesis: Robustness of the Self-Tuning Controller.  
Director: Dr. Charles E. Rohrs.

Tihamer Thomas Toth-Fejel, San Jose, California

Thesis: Self-Test: Murphy's Law Versus Elec-  
tronic Automata, from Simple Circuits to Self-Rep-  
licating Robotic Systems. Director: Dr. Eugene W.  
Henry.

THE DEGREE OF MASTER OF SCIENCE IN  
MECHANICAL ENGINEERING ON:

Chichyau Peter Chang, Taiwan R.O.C.

Thesis: Three Dimensional Turbulent Buoyant  
Flow and Heat Transfer in a Conventional Oven.  
Director: Dr. Kwang-Tzu Yang.

Gwyndolyn Morasko, Glendive, Montana

Matthew S. Riepenhoff, Lima, Ohio

Thesis: An Investigation of Two-Dimensional  
Transient Conduction as Related to Fire Spread  
on a Vertical Wall. Director: Dr. A. Murty  
Kanury.

THE DEGREE OF MASTER OF SCIENCE IN  
METALLURGICAL ENGINEERING AND  
MATERIALS SCIENCE ON:

Michael Mark Antony, South Bend, Indiana

Thesis: Microstructural and Mechanical Property  
Stability of Cabot Alloy No. 214 in High-Tempera-  
ture Carbonaceous Environments. Co-Directors:  
Dr. Albert E. Miller and Dr. Gordon A. Sargent.

Shiuh-Kao Chiang, Taipei, Taiwan

Thesis: The Interactions Between Pores and Grain  
Boundaries. Director: Dr. George C. Kuczynski.

Craig N. Ernsberger, Edwardsburg, Michigan

Thesis: Electrical Contact Behavior of Titanium  
Nitride. Director: Dr. Albert E. Miller.

THE DEGREE OF MASTER OF SCIENCE IN  
ADMINISTRATION ON:

Sister M. Benedict Arceneaux, Baton Rouge,  
Louisiana  
Sister Marie Rene Azar, S.S.J., St. Augustine, Florida  
Gregory Barkley, South Bend, Indiana  
S. Anne Beitzinger, SSSF, Milwaukee, Wisconsin  
Sister Mary Beatrice Bick, S.N.D., Toledo, Ohio  
Ronald Dale Blaum, Lederach, Pennsylvania  
Rita Marlene Bottei, South Bend, Indiana  
Sue Elaine Bradford, Munster, Indiana  
Sr. Suzanne Brauer, O.P., New Orleans, Louisiana  
John Joseph Brusca, Reading, Pennsylvania  
Michael Anthony Callahan, Fargo, North Dakota  
Sister Marie R. Castagnaro, S.S.J., Elmira, New York  
Patrick Caveglia, OSB, Conception Abbey, Missouri  
Sister Estelle Charron, OSB, Duluth, Minnesota  
Frederick F. Determan, Olympia, Washington  
Theresa Marie Ehram, San Francisco, California  
Beth Ann Foley, Milwaukee, Wisconsin  
Sherrill S. Friedman, Niles, Michigan  
Rev. David H. Garcia, San Antonio, Texas  
Brennan Michael Gilfoyle, O.S.B., St. Johns Abbey,  
Collegeville, Minnesota  
Maria Faz Gomez, Notre Dame, Indiana  
Kenneth Haders, Chicago, Illinois  
Patrice Halloran, Toledo, Ohio  
Michael W. Hill, O.F.M., Chicago, Illinois  
Samuel Arthur Holiday, Elkhart, Indiana  
Mary Margaret Houston, C.S.J., Concordia, Kansas  
Diane Mary Iorfida, South Bend, Indiana  
Sister Althea Helen Jonis, O.S.F., Lafayette,  
Louisiana  
Sister Frances Marie Kern, O'Fallon, Missouri  
Rev. Raymond F. Klees, Chicago, Illinois  
Sister Ann Elizabeth Kuhn, SSJ, St. Augustine,  
Florida  
Martha S. Kuzilik, Tulsa, Oklahoma  
Leaza Marie Laird, South Bend, Indiana  
Lynn Rozewicz Lawrence, South Bend, Indiana  
Sister Patricia A. Leonard, Adrian, Michigan

Gerard Locey, St. Petersburg, Florida  
Sister M. Paul McCaughey, O.P., Springfield, Illinois  
Joseph Cormac McDermott, Newry Co. Down,  
N. Ireland  
Br. Thomas McDonnell, Dublin, Ireland  
Mark C. McNelly, Valley City, North Dakota  
Anthony G. Nardino, Hillside, New Jersey  
Timothy John Norrbom, South Bend, Indiana  
S. Mary Ann Pajakowski, C.S.C., South Bend,  
Indiana  
Sharon Petro, South Bend, Indiana  
Gilbert M. Piette, Brownsville, Texas  
Judy Lynn Quick, Milwaukee, Wisconsin  
Sister Genitha Regan, S.C.L., Leavenworth, Kansas  
Richard R. Rhine, Tulsa, Oklahoma  
Kevin Joseph Shaw, Fond du Lac, Wisconsin  
Robert J. Skiljan, Edwardsburg, Michigan  
Sr. Helen Timothy, I.B.V.M., Western Springs, Illi-  
nois  
John F. Tryon, C.S.C., Chicago, Illinois  
Sister Carolyn Jean Tucker, S.S.J., St. Augustine,  
Florida  
Sister Mary Gretchen Ward, R.S.M., Cincinnati,  
Ohio  
Sister M. Julie Wolpert, O.S.F., Bryan, Texas  
Sister Fidelia M. Zaleski, Newport News, Virginia



## The Law School

### THE DEGREE OF JURIS DOCTOR ON:

Richard Barrera Siller, San Antonio, Texas

## The College of Arts and Letters

### THE DEGREE OF BACHELOR OF ARTS ON:

Jonathan Alvaro Autry, Fort Wayne, Indiana  
Justin Tyler Donie, Hillsboro, Ohio  
Rosanne Marie Fox, David City, Nebraska  
Daniel Joseph Harrington, Braintree, Massachusetts  
Regina Ann Joseph, New Orleans, Louisiana  
Roland Anthony Kelly III, South Bend, Indiana  
Brian Joseph Leahy, Corona Del Mar, California  
Kerin Anselm Mannion, Fayetteville, New York  
Christian Michael McFarland, Syracuse, Indiana  
John Anthony Mosley, Omaha, Nebraska  
Cecil Elwood Rucker Jr., Washington, D.C.  
Thomas Griffin Sluby, Washington, D.C.  
Gary Michael Voris, Croton, New York  
Karl Terrence Walker, Everett, Massachusetts  
Jane Kathleen Walshe, South Bend, Indiana  
Jennifer Elizabeth Worthy, Southfield, Michigan

## The College of Science

### THE DEGREE OF BACHELOR OF SCIENCE ON:

Romuald Joseph Caroff, Windber, Pennsylvania  
Christopher Frederic Hoth, Bennington, Vermont  
Susan Marie Lubecki, *With Honors*, Rochester, New York  
Christina Samathanam, Malacca, Malaysia  
Deborah Lee Scesney, Albertson, New York  
Maureen Claudette Stevens, Homer, New York  
David John Sullivan, Altamonte Springs, Florida

## The College of Engineering

### THE DEGREE OF BACHELOR OF ARCHITECTURE ON:

Thomas John Anhut, Ypsilanti, Michigan  
Catherine Patterson Corbett, South Bend, Indiana  
Jeffrey Gerald Toohey, Omaha, Nebraska

### THE DEGREE OF BACHELOR OF SCIENCE IN CIVIL ENGINEERING ON:

Niu Kian Teck, Kuala Lumpur, Malaysia

### THE DEGREE OF BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING ON:

Niu Kian Teck, Kuala Lumpur, Malaysia  
Elizabeth Anne Toth, Pittsburgh, Pennsylvania

### THE DEGREE OF BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING ON:

Mary Catherine Bowers, Carmel, Indiana  
Lawrence Luke Larocca, Homewood, Illinois  
Patrick W. Murray, McHenry, Illinois  
David Leo Proulx, Vallejo, California

### THE DEGREE OF BACHELOR OF SCIENCE IN METALLURGICAL ENGINEERING ON:

Michael Emmett Hardy, Mercer Island, Washington  
Paula Jean Smith, Butler, Pennsylvania

## The College of Business Administration

### THE DEGREE OF BACHELOR OF BUSINESS ADMINISTRATION ON:

Nanci Anne Battle, Lexington, Kentucky  
V. Peter Ferra, Gaithersburg, Maryland  
Gerald Ernest Levesque Jr., Pine Brook, New Jersey  
Timothy James Marshall, Chicago, Illinois  
Paul Francis Raven, South Bend, Indiana

## Academic Costume Code

### The Academic Costume Code

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

In American colleges and universities, the academic costume is prescribed by the American Council of Education, and its present form was adopted in 1932. The first suggestion for a uniform code was made in May, 1895, following an educational conference at Columbia University. In 1902, the Intercollegiate Bureau of Academic Costumes was created. It codified the 1895 rules and its legal firm serves as a clearinghouse 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 degrees, 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 .....	White
Business Administration and Accountancy .....	Drab
Economics .....	Copper
Education .....	Light Blue
Engineering .....	Orange
Fine Arts, including Architecture .....	Brown
Law .....	Purple
Library Science .....	Lemon Yellow
Music .....	Pink
Philosophy .....	Dark Blue
Physical Education .....	Sage Green
Science .....	Golden Yellow
Theology .....	Scarlet
Humanities .....	Crimson

*Old Gold and Royal Blue in Hood Denotes  
a Notre Dame Degree*

