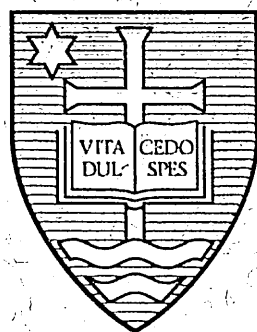


C

1994

COMMENCEMENT
EXERCISES



Friday, August 5, 1994

Joyce Athletic and Convocation Center

University of Notre Dame

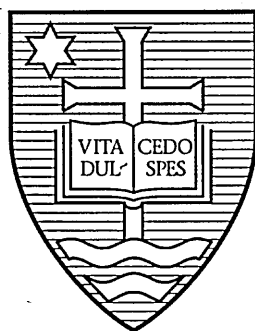
Notre Dame, Indiana

OFFICIAL

C

1994

COMMENCEMENT
EXERCISES



Joyce Athletic and Convocation Center

Concourse

University of Notre Dame

Notre Dame, Indiana

Events of the Day

Friday, August 5, 1994

BACCALAUREATE MASS

- 8:30 a.m. Graduates and Faculty assemble for Academic Procession to the Basilica of the Sacred Heart: the second floor corridor of the Main Building
- 8:40 a.m. Procession Begins. (Please note: If the weather is inclement, the procession will be canceled. Proceed directly to the Basilica.)
- 9:00 a.m. Concelebrated Baccalaureate Mass: the Basilica of the Sacred Heart

Principal Celebrant and Homilist

Rev. Timothy R. Scully, C.S.C.
Vice President and Associate Provost
University of Notre Dame

Concelebrants

Priests who will be receiving degrees, priest members of the faculty, and priest members of the Congregation of the Holy Cross

COMMENCEMENT EXERCISES CONFERRAL OF DEGREES

- 10:25 a.m. Graduates and faculty assemble in the Auxiliary Gym of the J.A.C.C.
- 10:50 a.m. Academic Procession begins
- 11:00 a.m. Conferring of Degrees Ceremony in the Joyce Athletic and Convocation Center Concourse

Presiding Officer

Timothy O'Meara, Ph.D.
Provost of the University

Commencement Address

Sr. Kathleen Cannon, O.P.
Associate Provost
University of Notre Dame

(Guests are requested to be seated in the Concourse of the Joyce Athletic and Convocation Center by 10:50 a.m.)

B

1994

ACCALAUREATE
MASS

Basilica of the Sacred Heart

University of Notre Dame

Notre Dame, Indiana

9 a.m. EST

Friday, August 5, 1994

Principal Celebrant and Homilist

Rev. Timothy R. Scully, C.S.C.

Organist

Andrew McShane

Cantor

Timothy Schorn

The Quintessence Brass

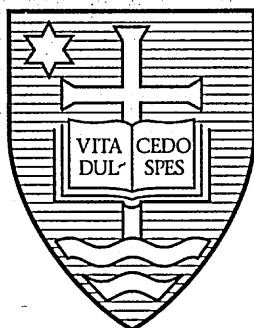
Jim Carter, *trumpet*

Ron Montgomery, *trumpet*

Bob Court, *french horn*

Forrest Bedke, *trombone*

Rick Watts, *tuba*





Opening Rites

PRELUDES

ACADEMIC PROCESSION

Trumpet Voluntary Stanley

OPENING HYMN

I Sing the Mighty Power of God

tune: Ellacombe



1. I sing the might - y pow'r of God That
2. I sing the good - ness of the Lord That
3. There's not a plant or flower be - low But



made the moun - tains rise; That spread the flow - ing
filled the earth with food; That formed cre - a - tion
makes your glo - ries known; And clouds a - rise, and



seas a - broad, And built the loft - y skies. I
with a word, And then pro - nounced it good. Lord,
tem - pests blow, By or - der from your throne; While



sing the wis - dom that or - dained The sun to rule the day; The
how your won - ders are dis - played, Where - e'er I turn my eye; If
all that bor - rows life from you Is ev - er in your care, And



moon shines full at God's com - mand And all the stars o - bey.
I sur - vey the ground I tread, Or gaze up - on the sky! If
ev - 'ry - where that I may be, O God, be pre - sent there.

PENITENTIAL RITE

OPENING PRAYER



READING I

Nahum 2: 1, 3; 3: 1-3, 6-7

Please be seated.

RESPONSORIAL PSALM

Psalm 146

Proulx



GOSPEL ACCLAMATION



GOSPEL

Matthew 16: 24-28

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

HOMILY

Rev. Timothy R. Scully, C.S.C.

Please be seated.

GENERAL INTERCESSIONS



LETTER OF THE EUCARIST

PREPARATION OF THE GIFTS

Please be seated.

Pavane William Byrd


Fantasia William Boyce

Eucharistic Prayer

INTRODUCTORY DIALOGUE + PREFACE

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.

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



GREAT AMEN

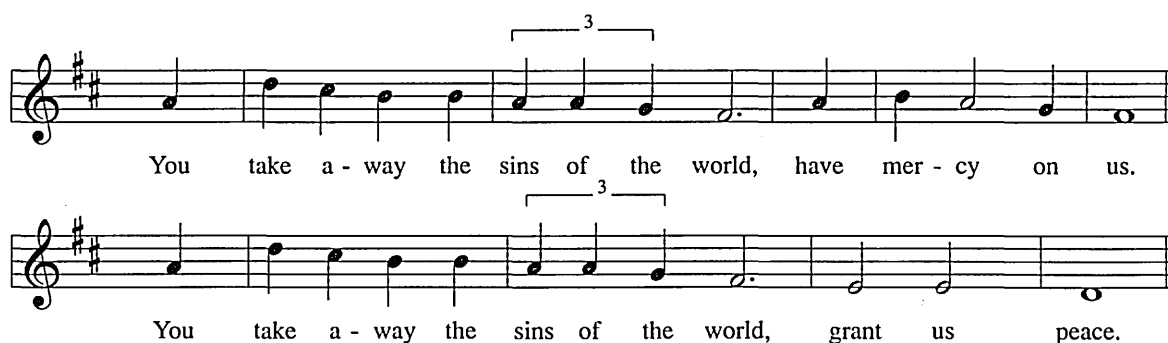


Communion Rite

LORD'S PRAYER + SIGN OF PEACE

BREAKING OF THE BREAD + AGNUS DEI

Cantor: Lamb of God...



RECEPTION OF COMMUNION

I Received the Living God

Arr. by Richard Proulx



PRAYER AFTER COMMUNION

Closing Rites

ALMA MATER

Notre Dame, Our Mother

*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.*

CLOSING HYMN

Father, We Thank Thee, Who Hast Planted

tune: Rendez A. Dieu

1. Fa - ther, we thank thee, who hast plant - ed Thy ho - ly
2. Watch o'er thy Church, O Lord, in mer - cy, Save it from
Name with - in our hearts. Knowl - edge and faith and life im -
e - vil, guard it still, Per - fect it in thy love, u -
mor - tal Je - sus, thy Son, to us im - parts.
nite it, Cleansed and con - formed un - to thy will.
Thou, Lord, didst make all for thy plea - sure, Didst give us
As grain, once scat - ter'd on the hill - sides, Was in this
food for all our days, Giv - ing in Christ the Bread
bro - ken bread made one, So from all lands thy Church
e - ter - nal; Thine is the power, be thine the praise.
be gath - er'd In - to thy king - dom by thy Son.

Acknowledgements

Sanctus, Memorial Acclamation, Great Amen (from the Community Mass) and *Psalm 146* by Richard Proulx, *Lamb of God* by David Isele, printed with permission of GIA Publications, Inc. 7404 S. Mason Ave., Chicago, IL under license no. 1180. All rights reserved.

Notre Dame, Our Mother, words by Rev. Charles L. O'Donnell, C.S.C., music by Joseph J. Casasanta. ©1960, Edwin H. Morris and Co., a division of M.P.L. Communications, Inc. International copyright secured. All rights reserved. Used with permission.



149th COMMENCEMENT EXERCISES

The Graduate School

The Law School

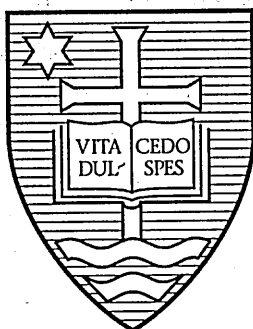
The College of Arts and Letters

The College of Science

The College of Engineering

The School of Architecture

*The Graduate and Undergraduate Divisions of
the College of Business Administration*



Joyce Athletic and Convocation Center

Concourse

University of Notre Dame

Notre Dame, Indiana

11 a.m. EST

Friday, August 5, 1994

Order of Exercises

Processional

by Harold L. Pace, Ph.D.
University Registrar

America, the Beautiful Ensemble and Audience

Bates-Ward

*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 Doctor of Philosophy degree
by James H. Powell, Ph.D.
Associate Dean of the Graduate School

The *Legum Magister* and the *Juris Doctor* degrees
by Walter F. Pratt, Jr., D.Phil., J.D.
Associate Dean of the Law School

The Master degree
by James H. Powell, Ph.D.
Associate Dean of the Graduate School

The Master of Science in Administration degree
by John G. Keane, Ph.D.
Dean of the College of Business Administration

The Bachelor degree in the College of Arts and
Letters
by Harold W. Attridge, Ph.D.
Dean of the College of Arts and Letters

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

The Bachelor degree in the College of Engineering
by James I. Taylor, Ph.D.
Associate Dean of the College of Engineering

The Bachelor degree in the School of
Architecture
by Thomas Gordon Smith, M.Arch.
Chair of the School of Architecture

The Bachelor degree in the College of Business
Administration
by John G. Keane, Ph.D.
Dean of the College of Business Administration

Commencement Address*

by Sr. Kathleen Cannon, O.P.
Associate Provost of the University

Closing of the Convocation

The Provost of the University

Notre Dame, Our Mother* - (Alma Mater)
Ensemble and Audience

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.

The Graduate School

THE DEGREE OF DOCTOR OF PHILOSOPHY ON:

George Lawrence Ashline, Rouses Point, New York
Major Subject: Mathematics
Dissertation: The Defect Relation of Meromorphic
Maps on Parabolic Manifolds
Director: Dr. Wilhelm F. Stoll

Uma Balakrishnan, Bombay, India
Major Subject: Government
Dissertation: International Regimes on Global
Warming
Director: Dr. George A. Lopez

Cheryl Ann Blain, Burke, Virginia
Major Subject: Civil Engineering
Dissertation: The Influence of Domain Size and
Grid Structure on the Response Characteristics of a
Hurricane Storm Surge Model
Director: Dr. Joannes J. Westerink

Elizabeth Marya Bower, Rochester, New York
Major Subject: Philosophy
Dissertation: The Legacy of Heidegger's Account
of Mitsein: An Investigation Concerning Innovation,
Difference and Community
Director: Dr. Stephen H. Watson

Yongmin Chang, Seoul, Republic of Korea
Major Subject: Physics
Dissertation: Macroscopic Quantum Tunneling in
One Dimensional Superconductor
Director: Dr. Gerald B. Arnold

Minquan Cheng, Anhui, People's Republic of China
Major Subject: Chemical Engineering
Dissertation: Sideband and Subharmonic
Instabilities of Finite-Amplitude Monochromatic
Waves
Director: Dr. Hsueh-Chia Chang

Tracey L. Colpitts, South Bend, Indiana
Major Subject: Biochemistry
Dissertation: Synthesis, Structure, and Function of
the GLA Domain of Human Protein C
Director: Dr. Francis J. Castellino

Richard W. Conroy, Lincoln, Nebraska
Major Subject: Government
Dissertation: Beyond Peacekeeping: Strategies of
United Nations Peace-Enforcement in a Turbulent
World
Director: Dr. Robert C. Johansen

Luis Amadeo Cordón, Diamondhead, Mississippi
Major Subject: Psychology
Dissertation: Strategy Use and Comprehension on
Standardized Reading Tests
Director: Dr. Jeanne D. Day

Kathryn Jeane Deck, Downers Grove, Illinois
Major Subject: Chemistry
Dissertation: Synthesis, Structure and Reactivity of
Cobalta- and Chromaboranes Formed in Reactions
of Paramagnetic Organometallic Dimers with
Lithium Borohydride
Director: Dr. Thomas P. Fehlner

Andrew Joseph Dzida, South Bend, Indiana
Major Subject: Philosophy
Dissertation: Thinking Critically about Religion:
An Investigation of the Defense of the Rationality of
Religious Commitment in Some of the Writings of
Immanuel Kant and of James Muyskens
Director: Dr. Karl Ameriks

Peter R. Guzzo, Pittsfield, Massachusetts
Major Subject: Chemistry
Dissertation: Design of Asymmetric Methods for
the Synthesis of Carbacephem β -Lactam Antibiotics
Director: Dr. Marvin J. Miller

Binghua Hu, Shanghai, China
Major Subject: Physics
Dissertation: Deep Level Defects in II-VI
Compound Semiconductor Materials
Director: Dr. Jacek K. Furdyna

Hao-Jan Huang, Taipei, Republic of China
Major Subject: Mechanical Engineering
Dissertation: Numerical Simulation of Laminar
Forced Convection Cooling with Zero-Mean
Oscillatory Flow in Open Enclosures
Co-directors: Dr. Victor W. Nee and
Dr. Kwang-Tzu Yang

Brian Thomas David Kelly, Elmhurst, Illinois
Major Subject: Medieval Studies
Dissertation: Aquinas on Gravitational Motion: An Investigation
Director: Dr. Ralph M. McInerney

James E. Lanpher, Mishawaka, Indiana
Major Subject: Theology
Dissertation: The Miraculous in Mark: Its Eschatological Background and Christological Function
Co-directors: Dr. Jerome H. Neyrey and Dr. Adela Yarbro Collins

Chan-Yun Lee, Taipei, Republic of China
Major Subject: Physics
Dissertation: The Dynamical Susceptibility of Square-Lattice Antiferromagnets
Director: Dr. Gerald B. Arnold

Patrick Francis McKinlay, Dubuque, Iowa
Major Subject: Government
Dissertation: Contemporary Continental Theory and the Classical Question of Political Judgment
Director: Dr. Fred R. Dallmayr

Cynthia Lynn Miller, Omaha, Nebraska
Major Subject: Psychology
Dissertation: Vulnerability and Resiliency in Preterm Infants: The Impact of Perinatal Characteristics and the Social Context on Development
Director: Dr. Thomas L. Whitman

Diane Mills, Hamilton, Ohio
Major Subject: Electrical Engineering
Dissertation: The Unequal Error Protection Capabilities of Convolutional and Trellis Codes
Director: Dr. Daniel J. Costello, Jr.

Patricia Ann O'Donnell, Seaside Park, New Jersey
Major Subject: Sociology
Dissertation: The Role of Risky Lifestyle and Gender in Criminal Victimization: Perpetrator/Victim Comparisons
Director: Dr. Richard A. Williams

James Gaylon Ross, Conway, Arkansas
Major Subject: Physics
Dissertation: Coincidence Measurements of Reaction Branchings in Hot CNO Cycles and the RP Process
Director: Dr. Michael C.F. Wiescher

Nikolaos Georgiou Semaltianos, Serres, Greece
Major Subject: Physics
Dissertation: Persistent Photoconductivity in II-VI Based Semiconducting Compounds and Alloys
Director: Dr. Jacek K. Furdyna

Cynthia Lee Sutton, Greencastle, Indiana
Major Subject: Sociology
Dissertation: The Effects of Adoption and the Adoptive Home on the Health of Children: A Comparison of Adoptees and Non-Adoptees
Director: Dr. Rodney F. Ganey

Martha Lee Turner, South Bend, Indiana
Major Subject: Theology
Dissertation: The Sources and Organization of the "Gospel According to Philip"
Director: Dr. Harold W. Attridge

Chakrapani Varanasi, Mellore, India
Major Subject: Materials Science & Engineering
Dissertation: A Study of the Effects of Second Phase Additions on the Processing and Properties of $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$
Director: Dr. Paul J. McGinn

John Henry Wigger, South Bend, Indiana
Major Subject: History
Dissertation: Taking Heaven by Storm: Methodism and the Popularization of American Christianity 1770-1820
Director: Dr. Nathan O. Hatch

Wayne Thomas Williams, Jr., Memphis, Tennessee
Major Subject: Philosophy
Dissertation: The Moral Philosophy of John Duns Scotus
Director: Dr. Alfred J. Freddoso

Deyun Wu, Jiangxi, People's Republic of China
Major Subject: Mathematics
Dissertation: Estimates for $\bar{\partial}$ and $\bar{\partial}_b$ on Bounded Convex Domains in \mathbb{C}^2
Director: Dr. Mei-Chi Shaw

The Law School

THE DEGREE OF *LEGUM MAGISTER* ON:

Felipe Gerardo García Ortega, Mexico City,
Mexico

Liu-Cheng Liu, Taipei, Republic of China

Elif Yalcindag, Vienna, Austria

THE DEGREE OF *JURIS DOCTOR* ON:

Deirdre Annemarie Dunphy, Westbury, New York

The Graduate School

THE DEGREE OF MASTER OF DIVINITY ON:

Michelle Ann Lemiesz, Buffalo, New York

THE DEGREE OF MASTER OF ARTS ON:

Victor Manuel Alarcón-Olguín, Mexico City, Mexico

Major Subject: Government

Thesis: The Decadence of Mexican Politics: The
PRI Under Salinas De Gortari's Presidency

Director: Dr. Scott P. Mainwaring

Christopher Bruce Bogzevitz, Parma, Ohio

Major Subject: History

Sarah Ann Brammeier, Detroit, Michigan

Major Subject: International Peace Studies

Susan Calef, Mishawaka, Indiana

Major Subject: Theology

Earl Thomas Carawan, Roanoke Rapids,
North Carolina

Major Subject: Theology

Linda Margaret Chalk, Midland, Michigan

Major Subject: Psychology

Thesis: Occupational Possible Selves: Fears and
Aspirations of College Women

Director: Dr. Naomi M. Meara

Debora Chellini, Firenze, Italy

Major Subject: Romance Languages and Literature
Thesis: Tre Versioni di Shakespeare: Adattamento e
Intraducibilità Nella Teoria Montaliana Della
Traduzione

Director: Dr. John P. Welle

Julie Ann Clemmons, Peoria, Illinois

Major Subject: Psychology

Christina Grace Cogdell, Austin, Texas

Major Subject: American Studies

Thesis: John Bernard Flannagan: An Exploration
of His Sculpture in Relation to Mysticism,
Primitivism, and the Feminine

Director: Dr. Kathleen A. Pyne

Ann Marie Crawford, Pittsburgh, Pennsylvania

Major Subject: Theology

Eileen Crowley-Horak, Madison, New Jersey

Major Subject: Theology

Tristram Heyward Dashti-Gibson, Mishawaka,
Indiana

Major Subject: International Peace Studies

Kenneth R. David, South Bend, Indiana

Major Subject: Theology

Rachel S. Dines, Fort Wayne, Indiana

Major Subject: Romance Languages and Literatures
Thesis: Variations on a Peregrine Theme: French
and English Appropriations of Petrarch's Rime
Sparse

Director: Dr. JoAnn DellaNeva

Doan Ngoc Diêp, Ho Chi Minh City, Vietnam

Major Subject: International Peace Studies

Jennifer Meghan Eide, Urbana, Ohio

Major Subject: Psychology

Mary Ann Fallon, San Diego, California

Major Subject: Theology

Darlene Kaye Flaming, Tulsa, Oklahoma

Major Subject: Theology

Michael Lane Gantt, Newton, North Carolina

Major Subject: Theology

Manuel Fernando Garcia-Robles, Guatemala City,
Guatemala
Major Subject: International Peace Studies

Michael Boyd Grammer, Wellsburg, West Virginia
Major Subject: Theology

John Groppe Sniegocki, Pittsburgh, Pennsylvania
Major Subject: Theology

Camelia Lee Hanemann, Milwaukie, Oregon
Major Subject: Theology

Noah Salameh Ighnaim, Bethlehem, Israel
Major Subject: International Peace Studies

Jeffrey Collard Jabon, Queens Village, New York
Major Subject: International Peace Studies

Gerard Marin Jacobitz, Grand Rapids, Michigan
Major Subject: Theology

Therese Lynn Johnson, Dayton, Ohio
Major Subject: Theology

Karen Jones, Renton, Washington
Major Subject: Psychology
Thesis: The Influence of Teacher Feedback on
Children's Reputation
Director: Dr. Karen J. White

Donald John Kaliski, Phoenix, Arizona
Major Subject: International Peace Studies

Kamala Kannan, Bangalore, India
Major Subject: International Peace Studies

Nikolina Kenig, Skopje, Macedonia
Major Subject: International Peace Studies

Abir-El Sherif Khater, Cairo, Egypt
Major Subject: International Peace Studies

Janice M. King, Springfield, Missouri
Major Subject: Theology

Rev. Czeslaw Michal Krysa, Orchard Lake, Michigan
Major Subject: Theology

Ronald N. Lacey, Jr., Charleston, South Carolina
Major Subject: History

Meelis Leesik, Tartu, Estonia
Major Subject: International Peace Studies

Rui Li, Xian, China
Major Subject: International Peace Studies

Aimee Upjohn Light, Chicago, Illinois
Major Subject: Theology

James Nicholas Lodwick, South Bend, Indiana
Major Subject: Theology

Kimberly Lynn McVey Long, Indianapolis, Indiana
Major Subject: Theology

Jenna S. Magno, Arlington Heights, Illinois
Major Subject: Psychology

Delia Mărincean, Cluj, Romania
Major Subject: International Peace Studies

Julliet Namutebi Mayinja, Kampala, Uganda
Major Subject: International Peace Studies

Kristin M. McArthur, Bridgewater, Massachusetts
Major Subject: International Peace Studies

Terence McDowell, Derry City, Northern Ireland
Major Subject: International Peace Studies

Peter Michael McGuine, San Diego, California
Major Subject: Theology

Megan Colleen McShane, Walnut Creek, California
Major Subject: Art History
Thesis: Mierle Laderman Ukeles: Art, Ecology, and
Action
Director: Dr. Craig E. Adcock

Helen C. V. Mester, South Bend, Indiana
Major Subject: Communication Arts

Karyn Evelyn Mueller-Moehring, Niles, Michigan
Major Subject: Psychology

Snježana Mrse, Beograd, Yugoslavia
Major Subject: International Peace Studies

Jimena Nistal, San Antonio, Texas
Major Subject: Government

Anthony Edward Paolucci, Jr., Portland, Oregon
Major Subject: Theology

Thomas A. Patamia, Rochester, New York
Major Subject: Theology

Paul M. Perl, Manhattan, Kansas
Major Subject: Sociology
Thesis: The Distribution of Job Power and the Gender Gap in Earnings
Director: Dr. David S. Hachen, Jr.

Leigh Gary Pethe, South Bend, Indiana
Major Subject: Communication Arts

Geri Marie Portnoy, San Diego, California
Major Subject: International Peace Studies

Thomas Jude Poundstone, Stavanger, Norway
Major Subject: Theology

Brian Reilly, Buffalo, New York
Major Subject: International Peace Studies

Kathleen Andrysiak Rodosovich, The Woodlands, Texas
Major Subject: Communication Arts

Helena Rozlivkova, Olomouc, Czech Republic
Major Subject: International Peace Studies

John Lester Ruth, South Bend, Indiana
Major Subject: Theology

Luis Sarabando, McAllen, Texas
Major Subject: Communication Arts
Thesis: Re-creating American Identity: The Frontier Genre on Film and Television
Director: Dr. James M. Collins

Amy Louise Schmitt, Kalamazoo, Michigan
Major Subject: International Peace Studies

Sister M. Valerie Schneider, S.N.D., Bellevue, Ohio
Major Subject: Theology

H. Devon Schrock, Goshen, Indiana
Major Subject: Theology

Fatima Shabodien, Cape Town, South Africa
Major Subject: International Peace Studies

Jay A. Shanahan, C.M., Waterford, Ireland
Major Subject: Theology

Rui Shen, Beijing, China
Major Subject: Sociology
Thesis: Women's Intended First Birth Timing and Perceived Costs and Benefits of Childbearing
Director: Dr. Richard A. Williams

Rev. Charles E. Singler, Bellevue, Ohio
Major Subject: Theology

Joan Marie Turel, Edwardsville, Pennsylvania
Major Subject: Theology

Jody L. Vaccaro, Poland, Ohio
Major Subject: Theology

Amy Van Meter, Iowa City, Iowa
Major Subject: International Peace Studies

Robert M. Wainwright, Charlottesville, Virginia
Major Subject: Theology

Yili Xu, Beijing, China
Major Subject: Sociology
Thesis: A Study of Abortion Attitudes as the Components of an Attitudinal System and as Unobservable Concepts
Director: Dr. Richard A. Williams

Rodrigo Zapata Fernández, Santiago, Chile
Major Subject: International Peace Studies

Jakub Zejmis, Wilmington, Delaware
Major Subject: History

Shaoping Zhang, Dalian, China
Major Subject: International Peace Studies

THE DEGREE OF MASTER OF SCIENCE ON:

Bryan DeWitt Caldwell, Jacksonville, Florida
Major Subject: Biology

Laurent Dauphin, Pontoise, France
Major Subject: Chemistry
Thesis: A Comprehensive Study of Molybdenum/Cobalt Based Cluster of Clusters
Director: Dr. Thomas P. Fehlner

Michael Sean Richardson, Dallas, Texas
Major Subject: Physics

Gordon Charles Savelle, Parkville, Minnesota
Major Subject: Chemistry
Thesis: Studies Directed towards the Development of Methods for Asymmetric Synthesis of Carbocyclic Sinefungin and Related Nucleoside-Based Antifungal Agents
Director: Dr. Marvin J. Miller

Glen Scoles, Ithaca, New York

Major Subject: Biological Sciences

Thesis: Variation among U.S. Strains of *Aedes Albopictus* in Susceptibility to Canine Heartworm, *Dirofilaria Immitis*

Director: Dr. George B. Craig, Jr.

Judith A. Serth-Guzzo, New Hartford, New York

Major Subject: Chemistry

Thesis: Synthesis and Characterization of Iron (III) Porphyrinates with Mixed Nitrogenous Bases as Axial Ligands

Director: Dr. W. Robert Scheidt

THE DEGREE OF MASTER OF SCIENCE IN CHEMICAL ENGINEERING ON:

Mahesh Lakshminarayanan, Madras, India

Thesis: The Characterization of Speeds of Solitary Waves

Director: Dr. Mark J. McCready

Lei Zheng, Shanghai, China

Thesis: Finite Free Path Transport in Fibrous Media

Director: Dr. William C. Strieder

THE DEGREE OF MASTER OF SCIENCE IN CIVIL ENGINEERING ON:

Saša Jazić, Zagreb, Croatia

Thesis: Dispersion in Simulated Porous Media

Director: Dr. Marijan Babic

THE DEGREE OF MASTER OF SCIENCE IN COMPUTER SCIENCE AND ENGINEERING ON:

Xinhui Niu, Henan, China

Thesis: Efficient Characterization and Simulation of the IC Manufacturing Process

Director: Dr. Jay B. Brockman

James P. Robbins, Victoria, Illinois

Thesis: ARCADE Distributed Shared Memory and the Mach External Memory Management Interface

Director: Dr. David L. Cohn

THE DEGREE OF MASTER OF SCIENCE IN ELECTRICAL ENGINEERING ON:

Rafael E. Bourguet, Torreon, Mexico

Christine Brodowski, Smithtown, New York

Thesis: A Delta Operator Based Network Analog Description of Acoustic Resonance Phenomena in IC Engine Intake Manifolds

Director: Dr. Peter H. Bauer

William LaMonaca, Philadelphia, Pennsylvania

Thesis: Design and Fabrication of Low Cost Polymer Directional Couplers

Director: Dr. Michael D. Lemmon

THE DEGREE OF MASTER OF SCIENCE IN ENVIRONMENTAL ENGINEERING ON:

Paul Bernard Donovan, Phoenixville, Pennsylvania

Thesis: Colloids in Lakes: An In-Situ Sampling Technique

Director: Dr. John D. Halfman

Jonathan Michael Noris, Pembroke, Massachusetts

Thesis: Treatment of High Selenium Wastewaters

Director: Dr. Kimberly A. Gray

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

Tom Martin, Bremen, Indiana

Thesis: The Development and Analysis of a Glass/Glass-Ceramic Composite for Use as an Electronic Packaging Substrate

Director: Dr. Albert E. Miller

THE DEGREE OF MASTER OF SCIENCE IN MECHANICAL ENGINEERING ON:

Pinaki Kar, Rourkela, India

Thesis: Development of Parametric Design Tools for Integrated Plastic Snap Fastener Design

Director: Dr. John E. Renaud

Zhaoji Yang, Anhui, People's Republic of China

Thesis: Analytical and Numerical Study of Solidification by Convective Cooling with Void Formation

Director: Dr. Mihir Sen

The College of Business Administration

In the Graduate Division

THE DEGREE OF MASTER OF SCIENCE IN ADMINISTRATION ON:

Lora L. Beeson, *Cum Laude*, Bourbon, Indiana
Allan B. Bradley, *Cum Laude*, Newfoundland, Canada
Lawrence Russell Briggs, Elkhart, Indiana
JoAnne C. Bunnage, Portland, Oregon
Rebecca Chacko, *Cum Laude*, Kerala, India
Deanna Jean Coleman, South Bend, Indiana
Siobhan Marie Davenport, *Cum Laude*, Warsaw,
Indiana
Martha C. Garrels, *Magna Cum Laude*, Granger,
Indiana
Min Gong, Notre Dame, Indiana
Carol Ann Graf, S.S.N.D., *Cum Laude*,
South Norwalk, Connecticut
Thomas John Herrity, Jr., *Cum Laude*, Shamokin,
Pennsylvania
Peggy L. Howard, Berrien Springs, Michigan
Catherine Jones, South Bend, Indiana
Sean Michael Lennon, South Bend, Indiana
Julian Florian Lewiecki, South Bend, Indiana
Cynthia A. Lockhart, *Cum Laude*, South Bend,
Indiana
Bro. Joseph Markel, S.M., *Cum Laude*, Dayton, Ohio
Michelle E. S. McGarry, Butte, Montana
Vincent Michael McNally, C.F.C.,
Magna Cum Laude, New Rochelle, New York
Corinne Ann Patton, South Bend, Indiana
Julian P. Peters, O.S.B., St. Meinrad, Indiana
Dorothy Ann Pierce, South Bend, Indiana
Lori Ann Price, South Bend, Indiana
Sandra Carna Rader, *Magna Cum Laude*, Warsaw,
Indiana
Steven Earl Schlick, *Cum Laude*, South Bend, Indiana
Sister M. Joan Schlotfeldt, S.N.D.,
Magna Cum Laude, Thousand Oaks, California
Sherrie Tierney Schueth, *Magna Cum Laude*,
Granger, Indiana
Timothy D. Sexton, South Bend, Indiana
Victor Staforelli, Torrance, California
Barbara Jean Sutton, South Bend, Indiana
Ann Elizabeth Eppinger Thompson, *Cum Laude*,
Granger, Indiana
John Charles Whitehead Vargas, C.Ss.R.,
Magna Cum Laude, El Paso, Texas
Daniel Williams, Granger, Indiana
Jean Marie Williams, D.C., *Cum Laude*, Evansville,
Indiana

The College of Arts & Letters

THE DEGREE OF BACHELOR OF FINE ARTS ON:

Thomas A. Zipprich, Evanston, Illinois

THE DEGREE OF BACHELOR OF ARTS ON:

Erich Johnathan Baker, Silver Springs, Florida
Edward Henry Cottrell III, San Diego, California
Mark Edward Cottrell, San Diego, California
John Robert Duff, Fort Lauderdale, Florida
Carrie Ann Dunmore, South Bend, Indiana
Atandji Osiris Gabiam, Lome, Togo
Paula Gambacorta, New Castle, Delaware
Adam J. González, San Antonio, Texas
James Patrick Hurley, Colorado Springs, Colorado
LaTonya Selena Keaton, Indianapolis, Indiana
Sung Wan Kim, Saipan, Mauritius
Siobhan Mary McCarthy, Littleton, Colorado
Timothy James McCarthy, *Magna Cum Laude*,
Overland Park, Kansas
Elias Rodriguez, Brownsville, Texas
Angel Irene Smith, Cleveland, Ohio
Jennifer Ann Tate, *Cum Laude*, Garden City, Kansas
Jason Michael Thomas, *Cum Laude*, South Bend,
Indiana

The College of Science

THE DEGREE OF BACHELOR OF SCIENCE ON:

Corey Daniel Babington, Racine, Wisconsin
Chamindra Yohan Dassanayake, *Cum Laude*,
Negombo, Sri Lanka
Tibor Sandor Hegedus, Corpus Christi, Texas
Emerson Cheung Quan, *Magna Cum Laude*,
San Francisco, California
Esteban Rodriguez, East Chicago, Indiana
William Roderick Siemer, Cedar Grove,
North Carolina

The College of Engineering

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

Thomas Lawrence Yager, Canfield, Ohio

The School of Architecture

**THE DEGREE OF BACHELOR OF
ARCHITECTURE ON:**

Diego Jose Bellalta, South Bend, Indiana

Kevin Louis Jones, Holland, Michigan

Dean Bruce Lee, Lagrange, Indiana

The College of Business Administration In The Undergraduate Division

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

Jason S. Baca, Roy, New Mexico

Todd Martin Christiansen, Orlando, Florida

Byung-Chon Chun, Chantilly, Virginia

Jennifer Anne Curry, Villa Park, Illinois

John David Dolak, Munster, Indiana

Reginald Bernard Fleurima, Evanston, Illinois

Timothy Edward Gilroy, Melville, New York

Juan Fernando Serrano, South Bend, Indiana

Gene Shareef Sheikh, *Cum Laude*, Wheaton, Illinois

Robert Christopher Sullivan, Yonkers, New York

ACADEMIC ATTIRE

Ceremonial garments worn at academic functions take their meaning from the original centers of learning of the Western world in the Church of the Middle Ages. Caps, hoods and gowns of the early students and monks have been held through the centuries to be traditionally symbolic of the scholarly devotion so basic to education and to the deliberate and orderly evolution of knowledge.

The introduction of classical studies, the gradual rise of the great universities across Europe, and the ever-increasing awareness of the decisive role of education in the entire development of civilization influenced leaders among academicians in their desire for a singular identity. In the attempt to create this differentiation, educators fell upon the medieval system of classic heraldry, whereby the coat of arms, assorted ornamental trappings, and patterns of colorful design had been adopted to denote the distinctive character of designated chivalric orders. The function of "pedagogical heraldry" became, then, simply identification. As such, measures were taken to signify through distinctive markings on the academician's attire the institution that had granted the degree, the field of learning in which the degree had been earned, and the level of the degree-bachelor, master or doctorate.

Of the three pieces of academic attire, the cap, the gown and the hood, it is the hood that offers the most abundant and most readily discernable information about its owner. The inner lining of the hood identifies the institution at which the individual earned the degree. Some schools have adopted two-color patterns and introduced chevrons and bars in various designs to set themselves apart from other institutions. The velvet trim bordering the hood indicates the major field of learning, or faculty, in which the degree has been earned. The list at the conclusion of this section will explain this relationship. A final feature of the hood concerns its length and width and distinguishes further between holders of bachelor's, master's, and doctor's degrees. The length of the hood for the bachelor's

degree is three feet, closed at the bottom, and the velvet border is two inches. At Notre Dame, individuals receiving a bachelor's degree do not wear a hood. A master's degree holder has a hood three and one half feet in length with a three inch wide border, and is slit at the bottom. Those individuals with a doctorate degree wear a hood four feet in length, open at the bottom, with a five inch border.

The gown is usually black in color but some American universities, including Notre Dame, have adopted distinctive colors for their robes. Notre Dame doctorate degree robes are blue, reflecting one of its official colors.

The cut of the gown aids in differentiating between the three levels of degrees. The bachelor's gown is relatively simple and falls in straight lines from an elaborate yoke. It may be recognized most readily by the long, pointed sleeves. The master's gown is somewhat fuller and bears no adornment. The sleeves are oblong in shape and open at the wrist, with the rear part of the oblong square cut while the front edge has a cutaway arc. The doctor's gown is more elaborate with velvet panels down the front and around the neck of the garment. The sleeves are bellshaped at the end and have three bars of the same material as the front panels at the upper portion of the arm. It is cut rather full and may be ornamental in color. Notre Dame's doctoral gown has royal blue velvet front panels with the University's shield embroidered in gold. The royal blue sleeve chevrons are outlined in gold.

The mortarboard or Oxford-type cap has been adopted throughout most universities in the United States, although Notre Dame's doctoral cap is a royal blue tam. Colored tassels are usually worn by holders of the bachelor's and master's degrees. These denote the field of learning. The list on the next page indicates the tassel colors. Gold tassels are reserved for those with doctorate degrees and governing officers of educational institutions.

FACULTY COLORS

AGRICULTURE Maize
 ARTS, LETTERS, HUMANITIES White
 COMMERCE, ACCOUNTANCY, BUSINESS Drab
 DENTISTRY Lilac
 ECONOMICS Copper
 EDUCATION Light Blue
 ENGINEERING Orange
 FINE ARTS, INCLUDING
 ARCHITECTURE Brown
 FORESTRY Russet
 JOURNALISM Crimson
 LAW Purple
 LIBRARY SCIENCE Lemon
 MEDICINE Green
 MUSIC Pink

NURSING Apricot
 OPTOMETRY Sea Foam Green
 ORATORY (SPEECH) Silver Gray
 PHARMACY Olive Green
 PHILOSOPHY Dark Blue
 PHYSICAL EDUCATION Sage Green
 PODIATRY-CHIROPODY Nile Green
 PUBLIC ADMINISTRATION, INCLUDING
 FOREIGN SERVICE Peacock Blue
 PUBLIC HEALTH Salmon Pink
 SCIENCE Golden Yellow
 SOCIAL SCIENCE Cream
 SOCIAL WORK Citron
 THEOLOGY Scarlet
 VETERINARY SCIENCE Gray

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

