The Undversity lotre Danne dai Laic Commencement Kanj 18-20



# OFFICIAL

The University Corne Manne dui Laic MMMN EIN CEMNEMIL Maw/ 18-20



# **Events of the Weekend**

Friday, Saturday, and Sunday, May 18, 19, and 20, 1990. Except when noted below all ceremonies and activities are open to the public and tickets are not required.

### FRIDAY, MAY 18

- Residence Halls available for check-in to parents Noon and guests (registration and payment required). 2:00 p.m. COLLEGE OF ARTS AND LETTERS HONORS CONVOCATION — Washington Hall. 6:30 p.m. LAWN CONCERT — University Concert Band — Main Building Mall. (If weather is inclement, the concert will be cancelled). 6:30 p.m. FORMAL DINNER, BUFFET STYLE North and South Dining Halls. (Tickets must to 8:00 p.m. be purchased in advance.) GRADUATE SCHOOL AWARD CEREMONY 8:15 p.m. and Reception - by the Vice President for to 10:00 p.m Graduate Studies and Research for degree recipients in the Graduate School and their families. (By invitation.) Center for Continuing Education Auditorium.
- 9:00 p.m. GRADUATION DANCE South Quad. to (Inclement weather location: Joyce Athletic 1:00 a.m. and Convocation Center — North Dome.

### SATURDAY, MAY 19

- 9:30 a.m. ROTC COMMISSIONING Joyce Athletic and Convocation Center South Dome.
- 10:30 a.m. GUIDED MUSEUM TOUR The Snite and Museum of Art. (45 minutes in length)
  11:30 a.m.
- 11:30 a.m. SENDING CEREMONY FOR STUDENTS DOING VOLUNTEER SERVICE AFTER COMMENCEMENT — Washington Hall
- 11:30 a.m. PHI BETA KAPPA INSTALLATION Hesburgh Library Auditorium. (Initiates are requested to arrive at 11 a.m.)

Noon<br/>toBOX LUNCH<br/>Available at North and South Dining Halls.1:30 p.m.(Tickets must be purchased in advance per<br/>information and ticket procurement procedures.)

1:00 p.m. SHENANIGANS Concert Performance — Stepan Center.

- 2:00 p.m. UNIVERSITY RECEPTION by Officers to of the University in the Center for Continuing
  3:30 p.m. Education. Graduates, their families, and guests are cordially invited to attend.
- 4:00 p.m. GRADUATES ASSEMBLE FOR THE ACADEMIC PROCESSION — Joyce Athletic and Convocation Center — BA, GB, LW MA/MS and SC — Gymnasium above Gate 8; AL, EG and PhD — Gymnasium above Gate 10.
- 4:20 p.m. ACADEMIC PROCESSION begins.
- 5:00 p.m. BACCALAUREATE MASS to Joyce Athletic and Convocation Center — 6:30 p.m. South Dome. Cap and gown attire required.
- 6:45 p.m. GRADUATION DINNER (Tickets must be purchased in advance per information and ticket procurement procedures.) Joyce Athletic and Convocation Center and South Dining Hall.
- 9:00 p.m. CONCERT University of Notre Dame Glee Club — Stepan Center.
- SUNDAY, MAY 20
- 9:00 a.m. BRUNCH North and South Dining Halls. (Tickets must be purchased in advance;
  1:00 p.m. graduates with valid meal certification need not purchase a ticket.)
- 12:30 p.m. MBA DIPLOMA CEREMONY Stepan Center.
- 1:00 p.m. DISTRIBUTION OF BACHELOR'S AND MASTER'S DIPLOMAS (Doctor of Philosophy degrees will be individually conferred during the Commencement Ceremony.) — Joyce Athletic and Convocation Center — North Dome. Graduates only — Enter Gate 3.
- 1:45 p.m. ACADEMIC PROCESSION begins — Joyce Athletic and Convocation Center — North Dome. Cap and gown attire required.
- 2:30 p.m. COMMENCEMENT AND CONFERRING OF DEGREES — Joyce Athletic and Convocation Center — South Dome. (Tickets for admission to the Commencement Exercises are required for parents and guests.)
- 5:00 p.m. LAW SCHOOL DIPLOMA CEREMONY Reflection Pool — South side of the Hesburgh Library. (Inclement weather location: Joyce Athletic and Convocation Center — South Dome.)

พลอกที่ได้

Joyce Athletic and Convocation Center (South Dome) University of Notre Dame Notre Dame, Indiana At 5 p.m. (Eastern Standard Time) Saturday, May 19, 1990

## THE MINISTERS OF THE MASS

*Presiding Celebrant and Homilist* Rev. Edward A. Malloy, C.S.C.

**Presiding Prelate** 

Most Reverend John M. D'Arcy, S.T.D. Bishop of Fort Wayne/South Bend, Indiana

Deacon

Rev. Mr. William G. Gray

Master of Ceremonies Bro. Dennis Meyers, C.S.C. Readers Robin Dvorak '90 David Bruner '90

Acolytes Students of the University

Intercessions Richard Shank '90 Maria Perez, M.A. '90

**Musicians** 

University of Notre Dame Band Dr. Luther M. Snavely, Jr., Director of Bands Mr. James S. Phillips, Associate Director Rev. George Wiskirchen, C.S.C., Assistant Director

University of Notre Dame Liturgical Choir Dr. Gail Walton, Director

University of Notre Dame Chorale Prof. Carl Stam, Director

Cantor

Paula Gile '90

Psalmists

Christina Fallon '90 Mark Rabogliatti, J.D. '90

This Eucharistic Celebration is planned and prepared under the direction of the Office of Campus Ministry in cooperation with the Department of Music.

Rev. Thomas Gaughan, C.S.C. Rev. Daniel R. Jenky, C.S.C. Dr. Gail Walton Mr. Steven C. Warner *Liturgical Coordinators* 

# **Baccalaureate Mass** SIXTH SUNDAY OF EASTER

# **Opening Rites**

## ACADEMIC PROCESSION

During the procession please remain seated in prayerful silence

Marche Triomphale	Sigfried Karg-Elert
Heilig	
Holy, holy, holy, God the Lord of hosts! All the nations are filled with thy renown. Hosanna sing on high. Praise be he who comes in the name of the Lord!	
O Clap Your Hands	Ralph Vaughan Williams
O clap your hands, all ye people; shout unto God with the voice of triumph. For the Lord most high is terrible: He is a great King over all the earth. God is gone up with a shout, the Lord with a sound of a trumpet. Sing praises to God, sing praises;	sing praises unto our King, sing praises; For God is King of all the earth; sing ye praises everyone that hath understanding. God reigneth over the heathen; God sitteth upon the throne of His holiness. Sing praises unto our King, sing praises.
Exultate justi in Domino Lodovico Grossi da Viadana	
Triumph and rejoice, O just ones, for the Lord is worthy to be praised. Sing praises unto the Lord upon the harp, with the ten-stringed lute. Sing praises to Him. O sing unto Him, sing a new song, sound the harp in His presence and shout unto Him with gladness.	
Alleluia! Laudamus Te	Alfred Reed
O How Amiable	Ralph Vaughan Williams
O how amiable are thy dwellings: thou Lord of hosts! My soul hath a desire and longing to enter into the courts of the Lord: My heart and my flesh rejoice in the living God. Yea, the sparrow hath found her an house,	Blessed are they that dwell in thy house: They will be alway praising thee. The glorious Majesty of the Lord our God be upon us: prosper thou the work of our hands upon us. O prosper thou our handiwork.
and the swallow a nest where she may lay her young: even thy altars, O Lord of hosts, my King and my God.	O God, our help in ages past, Our hope for years to come, Our shelter from the stormy blast, And our eternal home.
Sine Nomine	
For all the saints who from their labors rest, Who thee by faith before the world confessed, Thy name, O Jesus, be forever blest. Alleluia! Alleluia!	O may Thy soldiers, faithful, true, and bold, Fight as the saints who nobly fought of old, And win with them the victor's crown of gold. Alleluia! Alleluia!
Thou wast their Rock, their Fortress and their Might, Thou, Lord, their Captain in the well-fought fight, Thou in the Darkness drear their one true Light. Alleluia! Alleluia!	And when the strife is fierce, the warfare long, Steals on the ear the distant triumph song, And hearts are brave again, and arms are strong. Alleluia! Alleluia!
From earth's wide bounds, from ocean's farthest coast, Through gates of pearl streams in the countless host, Singing to Father, Son and Holy Ghost, Alleluia! Alleluia!	
He Watching Over Israel	Felix Mendelssohn
He, watching over Israel, slumbers not, nor sleeps. Shouldst thou, walking in grief, languish, He will quicken thee.	

## PROCESSION OF MINISTERS AND CLERGY

Please stand.

Te Deum ......David Clark Isele

You are God; we praise you; You are the Lord: we acclaim you; You are the eternal Father; All creation worships you. To you all angels, all the powers of heaven, Cherubim and Seraphim, sing in endless praise; "Holy, holy, holy Lord, God of power and might, Heaven and earth are full of your glory."

The glorious company of apostles praise you. The noble fellowship of prophets praise you. The white-robed army of martyrs praise you. Throughout the world the holy Church acclaims you; Father of majesty unbounded, true and only Son, Worthy of all worship, and the Holy Spirit, advocate and guide.

You, Christ, are the King of Glory, eternal Son of the Father. When you became man to set us free You did not disdain the Virgin's womb. You overcame the sting of death and opened the kingdom of heaven to all believers.

You are seated at God's right hand in glory. We believe that you will come, and be our judge. Come then, Lord, sustain your people, bought with the price of your own blood and bring us with your saints to everlasting glory.

Save your people, Lord, and bless your inheritance. Govern and uphold them now and always. Day by day we bless you; We praise your name forever. Today, Lord, keep us from all sin. Have mercy on us. Lord, show us your love and mercy For we put our trust in you. In you, Lord, is our hope, may we never be confounded.

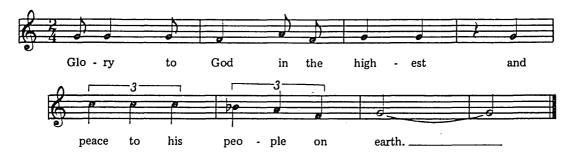
#### AMEN.

### GREETING

## PENITENTIAL RITE

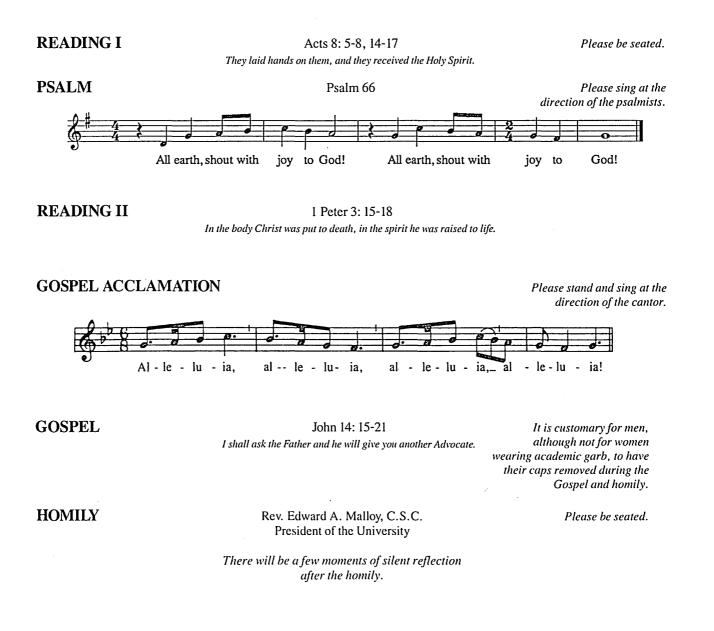
### **GLORIA**

*Please sing at the direction of the cantor.* 



**OPENING PRAYER** 

# Liturgy of the Word



## **PROFESSION OF FAITH**

We believe in one God, the Father, the Almighty, maker of heaven and earth, of all that is seen and unseen.

We believe in one Lord, Jesus Christ, the only Son of God, eternally begotten of the Father, God from God, Light from Light, true God from true God, begotten, not made. one in Being with the Father. Through Him all things were made. For us and for our salvation He came down from heaven:

## **GENERAL INTERCESSIONS**

Response: Lord, hear our prayer.

# Liturgy of the Eucharist

## PREPARATION OF THE GIFTS

BEARERS OF THE GIFTS

Officers of the Senior Class and Their Parents

Robert Groth

Caroline Klein

Carolyn Rey Thomas King

And then shall your light break forth as the light of the morning breaketh, and your health shall speedily bring forth then: And the glory of the Lord ever shall

reward you, ever shall reward you.

Vive le Roy ...... Deprés

## **PRAYER OVER THE GIFTS**

All bow at the following words up to: and became man. by the power of the Holy Spirit He was born of the Virgin Mary, and became man.

For our sake He was crucified under Pontius Pilate: He suffered, died, and was buried.

On the third day He rose again in fulfillment of the Scriptures; He ascended into heaven and is seated at the right hand of the Father. He will come again in glory to judge the living and the dead, and his kingdom will have no end.

Please stand.

We believe in the Holy Spirit, the Lord, the giver of life, who proceeds from the Father and the Son. With the Father and the Son He is worshiped and glorified. He has spoken through the prophets.

We believe in one holy catholic and apostolic Church. We acknowledge one baptism for the forgiveness of sins. We look for the resurrection of the dead, and the life of the world to come. Amen,

## Please be seated.

Lord our Creator, how excellent Thy Name in all the nations! Thou fillest heav'n with Thy glory. Lord our Creator, how excellent Thy Name in all the nations! Amen!

8

And Then Shall Your Light Break Forth ...... Mendelssohn

# **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.

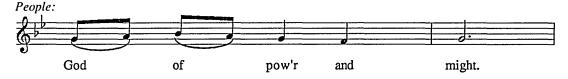
## SANCTUS

Choir: Holy, Holy ... power and might.

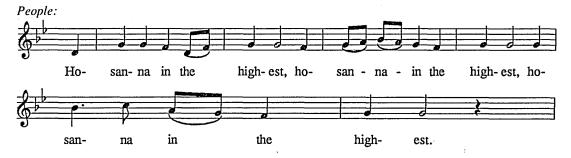
Please sing at the direction of the cantor.



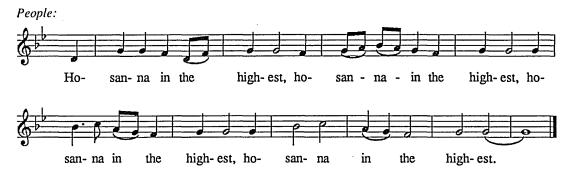
Choir: heaven and earth ... God of power and might.

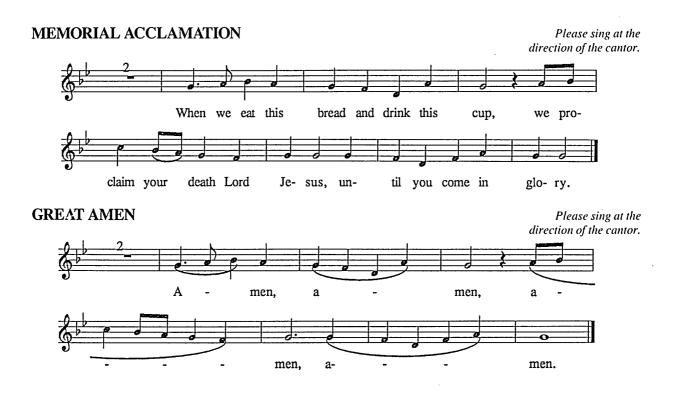


Choir: Hosanna in the highest, hosanna in the highest, hosanna in the highest.



Choir: Blessed is he who comes in the name of the Lord.



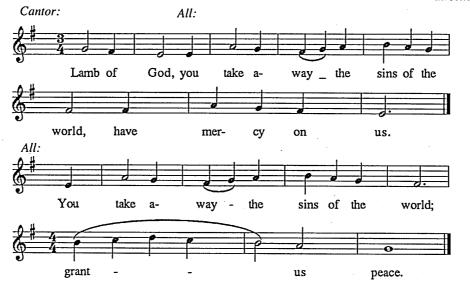


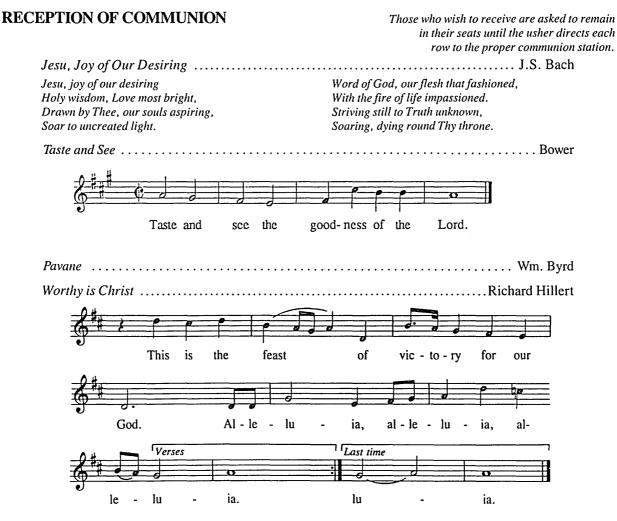
# **Communion Rite**

## LORD'S PRAYER + SIGN OF PEACE

**BREAKING OF THE BREAD + AGNUS DEI** 

Please sing at the direction of the cantor.





Worthy is Christ, the Lamb who was slain, whose blood set us free to be people of God.

Power, riches, wisdom, and strength, and honor, blessing, and glory are his. Sing with all the people of God, and join in the hymn of all creation: Blessing, honor, glory, and might be to God and the Lamb forever. Amen.

For the Lamb who was slain has begun his reign, Alleluia.

## PRAYER AFTER COMMUNION

# **Closing Rites**

## THE BLESSING OF THE FLAG

As the flag bearers enter, please rise and join in the singing of the hymn.

BEARERS OF THE FLAG

Seniors with the highest academic ranking in the undergraduate colleges

Kenneth F. Scheve Mary C. Brown Matthew J. Slaughter Scott J. Brachmann Edward J. Pelican David R. Alexander Paul C. Dankoski Matthew A. Grayson Marta L. Verhoff

David J. Schmitz Jeffrey J. Derr Christina M. Koonce

### **HYMN**

Eternal Father, Whose Almighty Hand



2. Your love divine has led us in the past; In this free land by you our lot is cast; Oh, be our ruler, guardian, guide, and stay; Your Word our law, your paths our chosen way.

## PRAYER OF BLESSING

Then the hymn continues:

3. Now with the mind of Christ set us on fire, That unity may be our great desire. Give joy and peace; give faith to hear your call, And readiness in each to work for all.

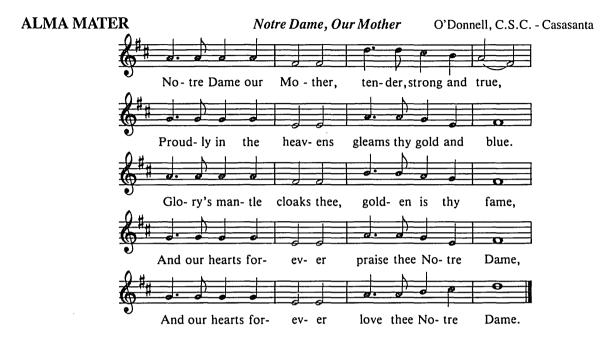
# **GREETING AND BLESSING OF ASSEMBLY**

- Bishop: Peace be with you.
- All: And also with you.
- Bishop: Blessed be the name of the Lord. All: Now and forever.
- Bishop: Our help is in the name of the Lord. All: Who made heaven and earth.
- Bishop: May almighty God bless you ....

### DISMISSAL

.....

4. Father, whose bounty all creation shows; Spirit, from whom all life in fullness flows; Christ, by whose willing sacrifice we live; To you with grateful hearts ourselves we give.



**CLOSING HYMN** 

### Christ the Lord Is Ris'n Today

Christ the Lord is ris'n today, alleluia! Sons and daughters sing today, alleluia! Raise your joys and triumphs high, alleluia! Sing, ye heaven's and earth reply, alleluia! Lives again our glorious King, alleluia! Where O death is now thy sting, alleluia! Once he died our souls to save, alleluia! Where thy victory, O grave, alleluia!

Soar we now where Christ has led, alleluia! Following our exalted Head, alleluia! Made like him, like him we rise, alleluia! Ours the cross, the grave, the skies, alleluia!

## RECESSIONAL

Eternal Father Strong to Save ..... Arr. Claude T. Smith

#### Acknowledgements

GLORIA and TE DEUM by D.C. Isele; SANCTUS, MEMORIAL ACCLAMATION, and GREAT AMEN (from "The Festival Eucharist") by Richard Proulx; GOSPEL ACCLAMATION (from "Mass of the Divine Word") by Howard Hughes, S.M.; Published by exclusive license agreement with GIA Publications, Inc., 7404 S. Mason, Chicago, IL 60638. Used with permission. All rights reserved. License # 1180.

PSALM 66 (All earth, shout with joy) by Marty Haugen. Copyright ICEL (International Commission on English in the Liturgy), Washington, D.C. All rights reserved. Used with permission.

AGNUS DEI by Calvin M. Bower. Used with permission. All rights reserved.

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NOTRE DAME, OUR MOTHER, words by Rev. Charles L. O'Donnell, C.S.C., music by Joseph J. Casasanta. Copyright 1960, Edwin H. Morris and Co., a division of M.P.L. Communications, Inc. International copyright secured. All rights reserved. Used by permission.

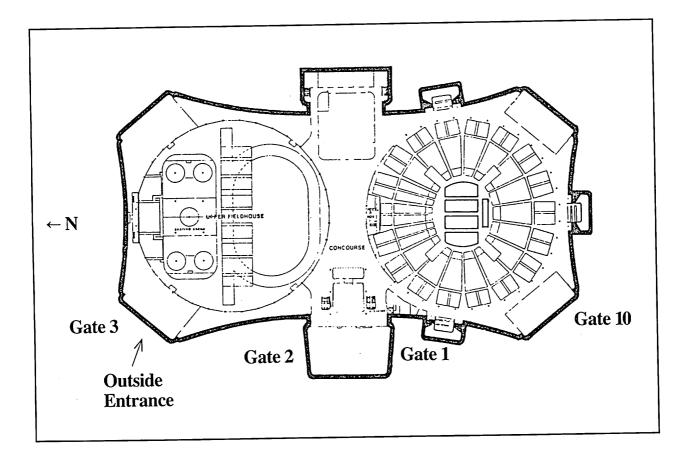
ALL OTHER MATERIALS FROM THE PUBLIC DOMAIN.

PLEASE REFER TO FOLLOWING PAGE FOR ANNOUNCEMENTS.

## ANNOUNCEMENTS

## PLEASE RETAIN THIS BOOKLET AND BRING IT WITH YOU TO THE CONFERRING OF DEGREES CEREMONY TOMORROW. GUESTS MAY ENTER GATE 10 BEGINNING AT 1:00 P.M.

Participation in this Baccalaureate Mass fulfills the Sunday obligation.



Those people having tickets for cocktails and the dinner in the North Dome of the Joyce Athletic and Convocation Center are asked to enter Gate 3.

Buses will be waiting outside the entrance to Gate 3 to transport those who have dinner tickets for the South Dining Hall.



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

Joyce Athletic and Convocation Center (South Dome) University of Notre Dame Notre Dame, Indiana At 2:30 p.m. (Eastern Standard Time) Sunday, May 20, 1990

# **Order of Exercises**

Processional

by Daniel H. Winicur, Ph.D. Dean of Administration and University Registrar

America, the Beautiful - Ensemble and Audience 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

Valedictory David John Schmitz De Land, Florida

Citations for Honorary Degrees The Provost of the University

The Conferral of Honorary Degrees by Donald R. Keough Chairman of the Board of Trustees and the Reverend Edward A. Malloy, C.S.C. President of the University

Presentation of the Award and Prize Winners The Provost of the University

### **Presentation of Candidates for Degrees**

The Doctor of Philosophy degree by Nathan O. Hatch, Ph.D. Vice President for Graduate Studies and Research The Juris Doctor degree by David T. Link, J.D. Dean of the Law School The Master degree by Nathan O. Hatch, Ph.D. Vice President for Graduate Studies and Research The Master of Business 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 Michael J. Loux, 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 Anthony N. Michel, Ph.D. Dean of the College of Engineering
The Bachelor degree in the College of Business
Administration by John G. Keane, Ph.D. Dean of the College of Business Administration

The Conferral of Degrees The President of the University

Commencement Address\* by William Henry Cosby, Jr. Amherst, Massachusetts

Citation for the Laetare Medal The Chairman of the Board of Trustees

### Presentation of the Laetare Medal

The Laetare Medal, the University of Notre Dame's highest honor, has been conferred annually since 1883 on American Catholic men and women who have served with distinction in their chosen fields of endeavor. It is so named because the recipient is announced on Laetare Sunday, the Fourth Sunday of Lent.

posthumously, to Sister Thea Bowman, F.S.P.A. Canton, Mississippi

Charge to the Class The President of the University

Closing of the Convocation The Provost of the University

Notre Dame, Our Mother\*— University Band 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.

# **Degrees** Conferred

THE DEGREE OF DOCTOR OF LAWS, HONORIS CAUSA, ON:

George H. Clements Chicago, Illinois

Jill Ker Conway Milton, Massachusetts

William Henry Cosby, Jr. Amherst, Massachusetts

Suzanne Farrell New York, New York

Ignacio E. Lozano, Jr. Los Angeles, California

J. Richard Munro New York, New York

Javier Péréz de Cuellar New York, New York

A. Kenneth Pye Dallas, Texas

Martha R. Seger Washington, District of Columbia

THE DEGREE OF DOCTOR OF SCIENCE, HONORIS CAUSA, ON:

Ernest Ludwig Eliel Chapel Hill, North Carolina

Emil Thomas Hofman South Bend, Indiana

THE DEGREE OF DOCTOR OF ENGINEERING, *HONORIS CAUSA*, ON:

Rutherford Aris Minneapolis, Minnesota

# In the Graduate School

THE DEGREE OF DOCTOR OF PHILOSOPHY ON:

Bartholomew K. Armah, Accra, Ghana Major Subject: Economics. Dissertation: Foreign Trade Strategies, Employment and Income Distribution: The Case of Ghana 1960-1986. Director: Dr. Kwan S. Kim

\*Sudeshna Banerjee, Calcutta, India Major Subject: Physics. Dissertation: Multiplicity Correlations in  $\mathbf{p} \cdot \overline{\mathbf{p}}$  Collisions at  $\sqrt{s} = 1.8$  TEV. Director: Dr. Nripen N. Biswas

David Marshall Barrett, South Bend, Indiana Major Subject: Government and International Studies. Dissertation: Advice and Dissent: An Organizationial Analysis of the Evolution of Lyndon Johnson's Vietnam Advisory System, 1965-1968. Director: Dr. Peri E. Arnold

Manual Bastias, Santiago, Chile Major Subject: Sociology. Dissertation: From Silence to Action: The Political Theory of Agnes Heller. Director: Dr. Fabio B. Dasilva

Peter Douglas Beery, Plainfield, New Jersey Major Subject: Physics. Dissertation: Two Particle Bose-Einstein Correlations at  $\sqrt{s} = 1.8$  TeV. Director: Dr. Nripen N. Biswas

\*Martin Barry Berg, Easton, Pennsylvania Major Subject: Biological Sciences. Dissertation: The Role of Chironomidae (Diptera) in Stream Insect Secondary Production. Director: Dr. Ronald A. Hellenthal

Kimberly M. Blaeser, Mahnomen, Minnesota Major Subject: English. Dissertation: Gerald Vizenor: Writing-In the Oral Tradition. Director: Dr. James P. Dougherty

\* January 1990 graduates

- \*Susan Renee Burgess, Milwaukee, Wisconsin Major Subject: Government and International Studies. Dissertation: Challenging Judicial Supremacy: Departmental Constitutional Interpretation in the Abortion and War Powers Debates. Director: Dr. Donald P. Kommers
- \*Gregory D. Crow, Olathe, Kansas Major Subject: Mathematics. Dissertation: Some Results on Complete Minimal Surfaces. Director: Dr. Frederico J. Xavier
- Chelladurai Devadoss, Mukuperi, India Major Subject: Chemistry. Dissertation: Picosecond and Nanosecond Transient Absorption Spectroscopic Study of the Photoreduction of Benzophenone by Tertiary Amines. Director: Dr. Richard W. Fessenden
- James P. Earley, Garden City, New York Major Subject: Civil Engineering. Dissertation: Anaerobic Sequencing Batch Reactor Treatment of High Strength Phenolic Wastewaters. Director: Dr. Lloyd H. Ketchum, Jr.
- \*Micky Thomas Fernandes, South Bend, Indiana Major Subject: Materials Science and Engineering. Dissertation: The Influence of Rare Earth Additions on the Resistance of 2-1/4Cr-1 Mo Steels to Hydrogen Embrittlement. Director: Dr. Richard R. Ricker
- Thomas Ray Gillespie, Wheat Ridge, Colorado Major Subject: Government and International Studies. Dissertation: Reagan Administration Foreign Policy: Military Intervention and International Law. Director: Dr. George A. Lopez
- Stephen M. Graff, Whitehouse, Ohio
   Major Subject: Physics. Dissertation: Nuclear
   and Astrophysical Implications of Proton Capture
   on <sup>28</sup>Si. Director: Dr. Michael C. F. Wiescher
- \*Thomas W. Grzebien, III, Edgewood, Rhode Island Major Subject: History. Dissertation: Penance, Purgatory, Mysticism and Miracles: The Life, Hagiography, and Spirituality of Thomas of Cantimpré (1200-1270). Director: Dr. John H. Van Engen

- Peter Francis Guidinger, Winona, Minnesota Major Subject: Chemistry. Dissertation: Structure and Function of the Catalytic Sites of Phosphoenolpyruvate Utilizing Kinases. Director: Dr. Thomas L. Nowak
- Frank Guliuzza, III, Cheyenne, Wyoming Major Subject: Government and International Studies. Dissertation: Beyond Incoherence: Making Sense of the Church-State Debate. Director: Dr. Donald P. Kommers
- Reverend Stanley R. Hall, Hillsboro, Oregon Major Subject: Theology. Dissertation: The American Presbyterian Directory for Worship: History of a Liturgical Strategy. Director: Rev. James F. White
- \*James Milton Harder, South Bend, Indiana Major Subject: Economics. Dissertation: Institutional Incentives and Technology Adoption: The Case of Animal Draft Technology in the Mbeya Region of Tanzania. Director: Dr. Kenneth P. Jameson
- \*Allen C. Hibbard, St. Cloud, Minnesota Major Subject: Mathematics. Dissertation: Generation and Presentation of Hyperbolic Classical Groups. Director: Dr. Alexander J. Hahn
- Charles R. Hohenstein, Mount Auburn, Illinois Major Subject: Theology. Dissertation: The Revisions of the Rites of Baptism in the Methodist Episcopal Church, 1784-1939. Director Rev. James F. White
- Run-Di Hong, Fujian, People's Republic of China Major Subject: Physics. Dissertation: Studies in the Theory of Semiconductors. Director: Dr. John D. Dow
- Kelleen Ruth Hurlburt, Union City, Pennsylvania Major Subject: Mathematics. Dissertation: Sufficiency Conditions for Theories with Recursive Models. Director: Dr. Julia F. Knight
- \*Vicki Lynn Jenkins, Dupont, Indiana Major Subject: Philosophy. Dissertation: Paradox and the Ways of Religion. Director: Dr. Frederick J. Crosson

\*Andy Jay Johnson, Bruner, Missouri Major Subject: Psychology. Dissertation: An Investigation of the Effects of Volition and Social Standard Setting upon Heterosexual Social Interaction and Exercise Behavior. Director: Dr. George S. Howard

Lorraine Ann Jurman, Wilmington, Delaware Major Subject: Chemical Engineering. Dissertation: Interfacial Waves on Sheared, Thin Liquid Films. Director: Dr. Mark J. McCready

\*Robert Lester Kamocsai, Bronx, New York Major Subject: Electrical Engineering. Dissertation: High Field Electron Transport in Silicon Dioxide. Director: Dr. Wolfgang Porod

Gautam Kao, Bombay, India Major Subject: Microbiology. Dissertation: Identification and Analysis of a New Gene, *RESI* Which Participates in the Mating Type Control of the Initiation of Meiosis in *Saccharomyces Cerevisiae*. Director: Dr. Mary J. Clancy

John Joseph Kennedy, Jr., South Bend, Indiana Major Subject: Economics. Dissertation: Corporate and Competitive Behavior in the American Steel Industry Between 1966 and 1985. Co-Directors: Dr. William I. Davisson and Dr. Frank J. Bonello

\*Soon-Chul Kim, Andong, Korea Major Subject: Physics. Dissertation: Density Functional Theory for Homogeneous States. Director: Dr. Gerald L. Jones

Robert Krasnansky, Bound Brook, New Jersey Major Subject: Chemistry. Dissertation: Photophysical and Photochemical Probing of the Silica Gel Surface. Director: Dr. J. Kerry Thomas

\*Victor G. Kuykendall, Elkhart, Indiana Major Subject: Chemistry. Dissertation: Photophysical and Photochemical Studies of Clay Minerals. Director: Dr. J. Kerry Thomas

Jyrki Lahtonen, Turku, Finland Major Subject: Mathematics. Dissertation: Composition Factors of Induced Modules. Director: Dr. Warren J. Wong Jack J. Lenihan, Paramus, New Jersey Major Subject: English. Dissertation: Dark Design: Studies in Speculatory Narrative. Director: Dr. Joseph A. Buttigieg

Baozhen Li, Shenyang, People's Republic of China Major Subject: Materials Science and Engineering. Dissertation: A Study on La-Sr-Cu-O System. Director: Dr. Charles B. Alcock

Lulu Chan Limqueco, Manila, Phillipines Major Subject: Chemical Engineering. Dissertation: Approaches to Nonlinear Output Feedback Control Using Observers. Director: Dr. Jeffrey C. Kantor

Hertha Longo, Congregation of Saint Agnes, Fond Du Lac, Wisconsin Major Subject: Economics. Dissertation: An Econometic Analysis of the Costs of Nursing Home Care in the State of Wisconsin: Facilities Operated by Religious Congregations of Women for Their Members as a Special Case. Director: Dr. Jennifer L. Warlick

\*Mark A. Lowry, Fort Pierce, Florida Major Subject: Psychology. Dissertation: Predicting Stress in the Mothers of Handicapped Persons: The Importance of Stressor Characteristics and Resources. Director: Dr. Thomas L. Whitman

Rosemary Anne Marusak, East Greenwich, Rhode Island Major Subject: Chemistry. Dissertation: Stereoselectivity in Electron Transfer Reactions. Director: Dr. A. Graham Lappin

Steven Robert McDonald, Highland, California Major Subject: Chemistry. Dissertation: The Study of Heterobimetallic Compounds Containing Nickel-Molybdenum or Nickel-Tungsten Bonds: Reactions with Allenes Generation of Cations, and Paramagretic Cluster Formation. Director: Dr. Michael J. Chetcuti

Leo Hubbard McWilliams, Memphis, Tennesee Major Subject: Electrical Engineering. Dissertation: A Qualitative Analysis of the Effects of Real Transfer Function Zeros on a System's Transient Response. Director: Dr. Michael K. Sain

- Xiangsheng Meng, Beijing, People's Republic of China Major Subject: Chemistry. Dissertation: Metallaboranes, Metallacarboranes and Organometallic Compounds. New Synthetic Routes, Preparations, Characterizations, Properties and Applications. Director: Dr. Thomas P. Fehlner
- Fausto Diaz Montes, Oaxaca, Mexico Major Subject: Government and International Studies. Dissertation: Political Stability and Local Politics in Southern Mexico. Director: Dr. Scott P. Mainwaring
- \*Christopher Kevin Murphy, Cumberland, Rhode Island Major Subject: Microbiology. Dissertation: Molecular Genetic and Immunochemical Analysis of the Escherichia Coli K12 Ferric Enterobactin Recepter, FEPA. Director: Dr. Phillip E. Klebba
- \*Dwight V. Nissley, South Bend, Indiana Major Subject: Microbiology. Dissertation: Analysis of the Interaction between Transposase and the Inverted Repeats of the Bacterial Transposon Tn3. Director: Dr. Michael A. Fennewald
- \*Jerry L. Nixon, Pratt, Kansas Major Subject: History. Dissertation: Women on the Kansas Military Frontier. Director: Dr. Robert L. Kerby
- Joseph M. Nowack, Garden City, New York Major Subject: Electrical Engineering. Dissertation: On the Decoding of Bandwith-efficient Codes. Director: Dr. Mark A. Herro
- Eleni P. Patsidou, Koufalia, Greece Major Subject: Chemical Engineering. Dissertation: Scheduling, Optimization and Control of Multipurpose Batch Plants. Director: Dr. Jeffrey C. Kantor

Way-Faung Pong, Taichung, Taiwan, Republic of China
Major Subject: Physics. Dissertation: Study of the Local Structure of II-VI-Based Ternary Alloys by Extended X-Ray Absorption Fine Structure (EXAFS) and Reflection High-Energy Electron Energy Loss Spectrum (RHEELS).
Director: Dr. Bruce A. Bunker

- Yada Praparpun, Nakornpathom, Thailand Major Subject: Economics. Dissertation: Rural-Urban Income Gap and Trade Strategies: The Case of Thailand. Director: Dr. Kwan S. Kim
- \*Charles B. Pumpuni, Kumasi, Ghana Major Subject: Biological Sciences. Dissertation: Factors Influencing Photoperiodic Control of Egg Diapause in Aedes Albopictus (Skuse). Director: Dr. George B. Craig, Jr.
- Mukul Ranjan, New Delhi, India Major Subject: Biological Sciences. Dissertation: The Role of Polyphosphatidylinositol Hydrolysis in Goldfish (Carassius auratus) Ovulation. Director: Dr. Frederick W. Goetz
- \*Ashok Kolar Rao, New Delhi, India Major Subject: Electrical Engineering. Dissertation: Membership-set Parameter Estimation Via Optimal Bounding Ellipsoids. Director: Dr. Yih-Fang Huang
- Min Ru, Wujiang, People's Republic of China Major Subject: Mathematics. Dissertation: The Second Main Theorem for Moving Targets. Director: Dr. Wilhelm F. Stoll
- John Lorin Scharf, Helena, Montana Major Subject: Civil Engineering. Dissertation: Out-of-Plane Bending of Cord-Rubber Laminates. Director: Professor Sydney Kelsey
- Marianne J. Scholte, Irvine, California
  Major Subject: Economics. Dissertation: The Circumvention and Reform of Banking Legislation: An Institutionalist Case Study of the Years 1960-1982. Co-Directors: Dr. Frank J. Bonello and Dr. Donald T. Critchlow
- \*Stephen Mark Schwarzbek, Grand Rapids, Michigan Major Subject: Physics. Dissertation: Perpendicular Resistance of Thin Metal Films. Director: Dr. Steven T. Ruggiero
- James Russell Scott, Bay Village, Ohio Major Subject: Aerospace Engineering. Dissertation: Compressible Flows with Periodic Vortical Disturbances Around Lifting Airfoils. Director: Dr. Hafiz M. Atassi

Jun Shen, Guangzhou, People's Republic of China Major Subject: Physics. Dissertation: Deep Levels in Semiconductors. Director: Dr. John D. Dow

Ann Louise St. Amand, Sarasota, Florida Major Subject: Biological Sciences. Dissertation: Mechanisms Controlling Metalimnetic Communities and the Importance of Metalimnetic phytoplankton to Whole Lake Priminary Productivity. Director: Dr. Stephen R. Carpenter

Fintan Steele, Order of Saint Benedict, Freeport, Illinois
Major Subject: Biological Sciences. Dissertation: Characterization of rdgC, a Novel Retinal
Degeneration Mutant of Drosophila melanogaster.
Director: Dr. Joseph E. O'Tousa

Sherwood Paul Tidman, Normal, Illinois Major Subject: Philosophy. Dissertation: The Epistemology of Modality. Director: Dr. Thomas V. Morris

Adrian Torres-Rosado, Ponce, Puerto Rico Major Subject: Chemistry. Dissertation: Characterization of DNA Polymerese-a/Primase Replication Complex from Rat Prostate Carcinoma PA-3 Cells. Director: Dr. Subhash C. Basu

Josefina W. C. Tseng, Taipei, Taiwan, Republic of China Major Subject: Chemical Engineering. Dissertation: Radiant Heat Transfer in Porous Media. Director: Dr. William C. Strieder

\*Christiana de Groot van Houten, Grand Rapids, Michigan Major Subject: Theology. Dissertation: The Legal Status of the Alien: A Study of the Pentateuchal Laws Pertaining to the Alien. Director: Dr. Joseph Blenkinsopp

Hwei-Gene Heidi Wang, Taipei, Taiwan, Republic of China Major Subject: Biological Sciences. Dissertation: Transposon Mutagenesis of Baculoviruses: Analysis of TFP3 Lepidopteran Transposons in Nuclear Polyhedrois Virus and *Trichopluscia Ni* Genomes. Director: Dr. Malcolm J. Fraser, Jr. \*Fankeng Yang, Taur Vuan Taiwan, Republic of China Major Subject: Electrical Engineering. Dissertation: Transient Heating Analysis of Silicon and Gallium Arsenide in Rapid Thermal Processing. Co-Directors: Dr. Richard Y. Kwor and Dr. William B. Berry

\*Richard C. Younce, Pontiac, Michigan Major Subject: Electrical Engineering. Dissertation: Identification with Non-Parametric Uncertainty. Co-Directors: Dr. Yih-Fang Huang and Dr. Charles E. Rohrs

\*Charles Kent Zercher, Mountain View, California Major Subject: Chemistry. Dissertation: Methodology for the Synthesis of Oxamazin Analogs. Director: Dr. Marvin J. Miller

### THE DEGREE OF MASTER OF DIVINITY ON:

James J. Breen, Congregation of Holy Cross, Somerville, Massachusetts John Joseph Donato, Congregation of Holy Cross, Addison, Illinois Carol Ruth Guenther, South Bend, Indiana David Lee Guffey, Congregation of Holy Cross, Mount Carroll, Illinois Paul Vincent Kollman, Congregation of Holy Cross, Cincinnati, Ohio Thomas Peter MacLennan, Congregation of Holy Cross, Harlingen, Texas Russell Kevin McDougall, Congregation of Holy Cross, Merrillville, Indiana Michelle Prah, Congregation of Sisters of Saint Joseph, Baden, Pennsylvania Katharine W. Sullivan, Evanston, Illinois Linda Wall, Order of Saint Francis, Joliet, Illinois

THE DEGREE OF MASTER OF MEDIEVAL STUDIES ON:

Fabian Christian Lochner, South Dend, Indiana

### THE DEGREE OF MASTER OF FINE ARTS ON:

Sek Thim Chee, Penang, Malaysia Thesis: Creation Myth. Director: Professor William J. Kremer, Jr.

Melanie K. Veger Micozzi, South Bend, Indiana Thesis: Harmony and Disharmony, Chaos and Order, Unity and Fragmentation. Director: Professor Donald G. Vogl

Maria Jeanine Smith, Miami, Florida Thesis: The Spirit of Art. Director: Reverend Austin I. Collins

Teresa Ann Westfall, Harrisville, West Virginia Thesis: Terrainscapes. Director: Professor Douglas Kinsey

### THE DEGREE OF MASTER OF ARTS ON:

Craig R. Auge, Bowling Green, Ohio Major Subject: American Studies. Thesis: Re-Creating the American Frontier on Film: Moral Progress in the American Myth of Identity. Director: Dr. Barbara Allen

- \*Reverend Dana Lynn Bainbridge, Ottumwa, Iowa Major Subject: Theology.
- \*Robert A. Banning, Whitinsville, Massachusetts Major Subject: English.

Jon Beane, Wood Dale, Illinois Major Subject: Philosophy.

- Rodrigo Atria Benaprés, Santiago, Chile Major Subject: Government and International Studies.
- Margarita Bonamusa, Barcelona, Spain Major Subject: Sociology. Thesis: Modernity and Post-Modernity: Habermas and Lyotard Director: Dr. Fabio B. Dasilva
- \*Jill Hampton Boyd, Williamsport, Pennsylvania Major Subject: Psychology. Thesis: An Analysis of the Effects of Progressive Letter Deletion on Free Recall of Prose: Encoding Variability, Differential Processing or Fading of Prompts? Director: Dr. Charles R. Crowell

- \*Penny Anne Briner, Guernsey, Wyoming Major Subject: Sociology. Thesis: Beyond High School: The Influence of Significant Others, Track Placement, Achievement and Attitudes on Post-Secondary Plans. Director: Dr. Maureen T. Hallinan
- \*Danielle S. Bushong, Montgomery, Alabama Major Subject: Government and International Studies.
- \*Paula F. Callaghan, Cheyenne, Wyoming Major Subject: Economics.

Reverend Peter Choi, Apostles of Jesus, Nairobi, Kenya Major Subject: Theology

- Richard Conroy, Lincoln, Nebraska Major Subject: Peace Studies. Thesis: Toward a Non-Nuclear Future: Linkages Between Global Denuclearization and an Effective Nonproliberation Regime. Director: Dr. Robert C. Johansen
- \*Luis Amadeo Cordón, New Orleans, Louisiana Major Subject: Psychology. Thesis: Scaffolded and Non-Scaffolded Instruction: An Experimental Comparison of Informal Instructional Styles. Director: Dr. Jeanne D. Day
- Reverend Benedict M. Costa, Congregation of Holy Cross, Dhaka, Bangladesh Major Subject: Economics.
- Steven Dale Crain, Pacific Grove, California Major Subject: Theology.
- Jaroslaw K. Dobrzanski, Krakow, Poland Major Subject: History.
- \*John P. Droege, Plymouth, Massachusetts Major Subject: History.
- \*Bruce Eric Friedline, Tacoma, Washington Major Subject: Philosophy.
- Kimberly Marie Frison, Fargo, North Dakota Major Subject: Government and International Studies.
- Tetsushi Fujimoto, Suzuka, Japan Major Subject: Sociology. Thesis: Causes of Intention to Leave: Effects of Job Satisfaction and Intrinsic Aspects of Work Rewards. Director: Dr. David S. Hachen, Jr.
- \*John Henry Haas, Jr., Glenside, Pennsylvania Major Subject: History.

- \*Pamela May Courtenay Hall, Windsor, Ontario, Canada Major Subject: Philosophy.
- \*Roy Hammerling, Odessa, Washington Major Subject: History.
- Frederick Michael Holycross, Dayton Lake, Michigan Major Subject: American Studies. Thesis: The American Barbershop: Changing Gender Roles and the Modification of Masculinity. Director: Dr. Barbara Allen
- \*Richard Lee Hopkins, III, Dallas, Texas Major Subject: Theology.
- \*Zugang Hou, Qingdao, People's Republic of China Major Subject: Economics.
- Jay R. Howard, Mishawaka, Indiana Major Subject: Sociology. Thesis: Testing the "Sinister Equation": Employers' Labor Turnover Costs and Exposure to Hazardous Working Conditions. Director: Dr. David S. Hachen, Jr.
- \*Beth Ann Ingle, Battle Creek, Michigan Major Subject: History.
- Gabriela Ippolito, Buenos Aires, Argentina Major Subject: Government and International Studies.
- \*William Henry Katerberg, St. Catharines, Ontario, Canada Major Subject: History.
- \*Kurt E. Keagle, Hammond, Indiana Major Subject: Psychology.
- \*Bernard Keating, Saulte St. Marie, Ontario, Canada Major Subject: Economics.
- Joseph Francis Kennedy, La Jolla, California Major Subject: Peace Studies.
- Susan A. Lichtman, Michigan City, Indiana Major Subject: English.
- Blanca Lizarraga, Pamplona, Spain Major Subject: Romance Languages and Literstures.
- \*Christine Leona Genya Ana Matusik, Grafton, Ohio Major Subject: Peace Studies.
- Sharon Leone McMillan, Sisters of Notre Dame, San Francisco, California Major Subject: Theology.

- \*Sister Elizabeth Meagher, Sisters of Saint Joseph, Kalamazoo, Michigan Major Subject: Theology.
- \*Stephan Daniel Meyer, Iowa City, Iowa Major Subject: Philosophy.

\*Paul Ryan Myers, Portland, Oregon Major Subject: Psychology. Thesis: Predicting Exercise Behavior: A Comparison of Agentic and Non-Agentic Variables. Director: Dr. George S. Howard

\*John Patrick Thomas O'Callaghan, Green Bay, Wisconsin Major Subject: Philosophy.

- Maria Martha Pérez, Navojoa, Sonora, Mexico Major Subject: Government and International Studies.
- \*Marjorie A. Pinard, Piconning, Michigan Major Subject: Psychology. Thesis: Development of a Parent-Child Attribution Questionnaire. Director: Dr. David A. Cole
- Randall A. Poole, Greensburg, Pennsylvania Major Subject: History.
- \*Ronald Gregory Reid, Oshkosh, Wisconsin Major Subject: German Language and Literature.
- \*Elizabeth Ann Rellinger, Glendale Heights, Illinois Major Subject: Psychology. Thesis: Metamemory and Motivational Elements as Predictors of Strategy Use in Adolescents with and without Mental Retardation. Director: Dr. John G. Borkowski
- \*Cristián Ricardo Lira Rodriguez, Santiago, Chile Major Subject: Sociology.
- Timothy Jon Schorn, Stuart, Nebraska Major Subject: Government and International Studies.
- Virginia Shingleton, Valparaiso, Indiana Major Subject: Economics.
- \*Anthony William Slemko, Edmonton, Alberta, Canada Major Subject: Government and International Studies.
- \*Carol Diane Stuart, Springfield, Virginia Major Subject: Government and International Studies.

## Graduate School

- \*Walter John Thompson, South Bend, Indiana Major Subject: Government and International Studies.
- \*Kari Lynn Tolzman, Hillsdale, Michigan Major Subject: Psychology. Thesis: Accoustic Startle as a Function of Age and of Variations of the Prepulse-Startle Interval. Director: Dr. D. Chris Anderson.
- Nancy Ann Veronesi, Seminole, Pennsylvania Major Subject: Theology.
- Reverend Marney Ault Wasserman, Kalamazoo, Michigan Major Subject: Theology.
- \*Eric Watkins, South Bend, Indiana Major Subject: Philosophy.
- **Douglas McLeod Weber,** Stanford, California Major Subject: History and Philosophy of Science.
- \*Sister Janet Margaret Welsh, Order of Preachers, Chicago, Illinois Major Subject: History.
- \* Yi Wen, Leshan, People's Republic of China Major Subject: History and Philosophy of Science.
- \*John Henry Wigger, South Bend, Indiana Major Subject: History.
- \*Paul Stuart Wittenberg, Gibsonia, Pennsylvania Major Subject: Government and International Studies.
- \*Chau Ming Teresina Wong, Kowloon, Hong Kong Major Subject: Psychology. Thesis: A Multitrait-Multimethod Study of General Intelligence and Two Components of Social Intelligence among Female College Students: A Multidimensional Approach. Director: Dr. Jeanne D. Day
- Andrew James Zwerneman, South Bend, Indiana Major Subject: Government and International Studies.

### THE DEGREE OF MASTER OF MUSIC ON:

Julie Annette Atteberry, Joplin, Missouri John Paul Charron, Windsor, Ontario, Canada Teresa Ann DuSell, Brighton, Michigan James Fiste, Jr., Milwaukee, Wisconsin Ronda Sue Rosenberg Gabbard, Cincinnati, Ohio Kimberly Ann Hess, Hollidaysburg, Pennsylvania
Alan Joseph Hommerding, Port Washington, Wisconsin
Robert Andrew Minotti, Postdam, New York
Mark G. Rabideau, Agawam, Massachusetts

Babette Reid, East Cleveland, Ohio

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

\*Gian Mario Besana, Barzago, Italy Major Subject: Mathematics.

- Eugenia Cambs Garrett, Tarzana, California Major Subject: Chemistry. Thesis: Conformational Analysis of Carbohydrates by NMR and Computational Methods: Studies of Furanoses and Alditols. Director: Dr. Anthony S. Serianni
- \*Matthew Jon Honkanen, St. Clair Shores, Michigan Major Subject: Physics.
- Sudha P. Iyer, Chitoor, India Major Subject: Biological Sciences.
- \*Herman José Serrano López, Bogotá, Columbia Major Subject: Mathematics.
- Stefan Józef Nawrocki, Winnipeg, Manitoba, Canada Major Subject: Biological Sciences.
- \*Mary G. Neyer, Cincinnati, Ohio Major Subject: Mathematics.
- \*Xiao Qiang, Beijing, People's Republic of China Major Subject: Physics.
- Valerie M. Reydellet, Vaugneray, France Major Subject: Chemistry. Thesis: The Use of Cyclopropanol Derivatives in the Formation of Bicyclic Substituted Compounds. Director: Dr. Paul M. Helquist
- \*Wei Wang, Shanghai, People's Republic of China Major Subject: Physics.
- \*Xiaoou Xiang, Wenzhou, People's Republic of China Major Subject: Physics.
- \*Yinghao Zhan, Beijing, People's Republic of China Major Subject: Physics.

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

- Andrew Salvatore Arena, Jr., Tucson, Arizona Thesis: An Experimental Study of the Nonlinear Wing Rock Phenomenon. Director: Dr. Robert C. Nelson
- Kenneth M. Asson, Beaverton, Oregon Thesis: The Development of an Advanced Dynamometer System to Experimentally Determine Propeller Performance. Director: Dr. Patrick F. Dunn
- **Todd Vincent Graves,** Stone Mountain, Georgia Thesis: Vortical Interactions over Strake/Wing Configurations. Director: Dr. Robert C. Nelson
- Walter Henry Howard, Schenectady, New York Thesis: A Study on the Use of Remotely Piloted, Sub-Scale Aircraft for High Reynolds Number Testing. Director: Dr. Stephen M. Batill
- Kevin Shane Quick, Shelby, Montana Thesis: Translation of Design Specifications. Director: Dr. Michael C. Butler

# THE DEGREE OF MASTER OF ARCHITECTURE ON:

\*Michael Thomas Hayes, South Bend, Indiana Kenneth Calvin Richmond, Sparta, Michigan

THE DEGREE OF MASTER OF SCIENCE IN BIOENGINEERING ON:

Kim Sagan McAuliffe, South Bend, Indiana Thesis: Acclimation Studies with Mixed Microbial Populations. Director: Dr. Charles F. Kulpa

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

Ajay Kumar Chandhok, New Delhi, India Asterios Gavriilidis, Thessaloniki, Greece Jean-Pascal Lebrat, Lons Le Saunier, France Norazmi Bin Mat Noh, Perak, Malaysia

Thesis: Catalyst Characterization and Propylene Conversion on Aluminophosphate-based Molecular Sieves. Director: Dr. Eduardo E. Wolf Carl David McFadden, Doylestown, Pennsylvania Thesis: Cooling and Solidification of a Thin Liquid Layer on a Rapidly Cooling Metal Substrate using the Heat Balance Integral Method. Director: Dr. William C. Strieder

Ching-An Peng, Taipei, Taiwan, Republic of China Thesis: The Formation of Solitary Waves in Horizontal Gas-Liquid Concurrent Flows. Director: Dr. Mark J. McCready

Apoorva Kumar Singh, New Delhi, India Thesis: The Stability of Rimming Flows: Director: Dr. Hsueh-Chia Chang

Ulick Stafford, Wexford, Ireland Thesis: An Automated Reactor for the Synthesis of Stable Isotopically Enriched Monosaccharides. Co-Directors: Dr. Arvind Varma and Dr. Anthony S. Serianni

Tsutseng Weng, Taipei, Taiwan, Republic of China King Lun Yeung, Manila, Phillipines

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

- Richard C. Maloney, Avon, New Jersey Thesis: An Investigation of the Structural Behavior of an Existing Canopy Structure through the Use of Finite Element Modeling and Structural Analysis. Director: Dr. Leonard J. Morse-Fortier
- Elizabeth Ann Martin, Binghamton, New York Thesis: Design of Tracer and Hydraulic Tests in Fractured Rock at Red Gate Woods, Cook County, Illinois. Director: Dr. Stephen E. Silliman

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

- Michael Joseph Bellon, St. Louis, Missouri Thesis: A New Approach to Secure Distributed Computing. Director: Dr. David L. Cohn
- \*Srinivas Bharadwaj, Madras, India Thesis: Adam - A File Replication Solution for a Network of Personal Computers. Director: Dr. Genesio L. Hubscher

- \*Suyog Mahadeo Bhobe, Bombay, India Thesis: Analysis and Simulation of the Velocity Modulation Transistor. Director: Dr. Wolfgang Porod
- \*Zhihong Chai, Beijing, People's Republic of China Thesis: A Perceptron Neural Network Design for Boolean Functions. Director: Dr. Ruey-wen Liu
- Joseph Daniel, South Bend, Indiana Thesis: A VLSI Implementation of a Neural Network. Director: Dr. John J. Urhan, Jr.
- \*Michael Hartmann, Köln, West Germany Thesis: Development of Digital Communication System Simulation Package. Director: Dr. Mark A. Herro
- \*Noël Lebrec, Versailles, France Thesis: Multi-Level Multi-Dimensional Codes for 8-PSK and 16-PSK Modulation. Director: Dr. Daniel J. Costello, Jr.
- Louis-Jérôme Leclerc, Sherbrooke, Québec, Canada Thesis: Limit Cycle Exclusion in Digital Filters. Director: Dr. Peter H. Bauer
- Sandesh Prabhakar Malpure, Poona, India Thesis: Distributed Control using the X-Window System. Director: Dr. Eugene W. Henry
- \*Vincent Remo Marcopoli, Kirtland, Ohio Thesis: Equation Error and Output Error Methods for Adaptive System Identification. Director: Dr. Yih-Fang Huang
- John Noel Monteiro, Karachi, Pakistan Thesis: Design of an Electron-Beam Lithography System Based on a Scanning Electron Microscope. Director: Dr. Gary H. Bernstein
- \*Mark D. Peek, Mishawaka, Indiana Thesis: Machine Learning of Parameter Values for Systems Performance Adaption. Director: Dr. Panagiotis J. Antsaklis
- Patrick Michael Sain, South Bend, Indiana Thesis: Nonlinear Servomechanisms: A Volterra Approach. Co-Directors: Dr. Michael K. Sain and Dr. Anthony N. Michel

Suresh Subramaniam, Kerala, India

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

- \*Rajiv Doshi, Bombay, India Thesis: Characteristics of Cu/Pb Based Systems with Applications as an Electrical Brush. Director: Dr. Albert E. Miller
- Puneet Kumar Jain, Banglore, India Thesis: Effect of Deposition Conditions and Substrate Material on theTribological Behavior of Sputtered Titanium Nitride Thin Films. Director: Dr. Albert E. Miller

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

- Carol Ann Abrahamson, Cold Spring, Kentucky Thesis: Velocity Effects on the Mass Loading of HEPA Filters. Director: Dr. Patrick F. Dunn
- Daniel Thomas Jensen, Elgin, Illinois
   Thesis: A Drag Predicition Methodology for
   Low Reynolds Number Flight Vehicles.
   Director: Dr. Stephen M. Batill

# THE DEGREE OF MASTER OF SCIENCE IN ADMINISTRATION ON:

Sandra L. Botham, Madison, Wisconsin James A. Dolan, Point Pleasant, New Jersey Francis E. P. Fusco, Oshwa, Ontario, Canada \*John William Hart, Emmaus, Pennsylvania Rose Marie Johns, Granger, Indiana Masayuki Katayama, Ibara, Okayama, Japan \*Markus Knipp, Köln, West Germany Ann Matsel Lindsey, Carmi, Illinois Diane McDonough Maas, Granger, Indiana Mary Elizabeth Morrison, South Bend, Indiana Beverly Lynn Myers, Granger, Indiana Joseph Patrick Regan, Chicago, Illinois \*Thomas Bernard Rehder, II, Sacramento, California \*William Harold Sage, LaPorte, Indiana Deanna C. Steininger, Buchanan, Michigan Ernest Tacogue, Nashville, Tennesee \*Larry Michael Tomich, Monongahela, Pennsylvania \*Timothy James Warrick, Elkhart, Indiana \*Timothy Howard Wieand, Quakertown, Pennsylvania

# The Law School

## THE DEGREE OF MASTER OF LAWS ON:

Andrew Brooking, Cum Laude, Harare, Zimbabwe, South Africa Mark V. Jordan, London, England \*Romeo Canda Lagonoy, Union Lake, Michigan Julio Ernesto Linares F., Panama, Panama Mbuviseli Madlanga, Cum Laude, Mount Frere, Cape Province, South Africa Ada ver Loren van Themaat, Magna Cum Laude, Stellenbosch, South Africa THE DEGREE OF JURIS DOCTOR ON: Michelle Carmen Aceto, Barrington, Illinois Carlos Acosta, El Paso, Texas John Allison Adams Jr., Cum Laude, Covington, Georgia Christopher John Alessandro, Barrington, Rhode Island Donald Benjamin Allegro, Magna Cum Laude, Rutherford, New Jersey Robert Allen Anderson, Highland, Indiana Monica Armela Andrews, Magna Cum Laude, Cincinnati, Ohio Stuart Harrison Baggish, Austin, Texas John Joseph Baker, Houston, Texas Anne-Therese Janet Béchamps, Magna Cum Laude, Winchester, Virginia Richard Michael Beck, Wilmington, Delaware Ann Marie Becker, El Dorado, Kansas Susan Lee Bell, South Bend, Indiana Thomas Mark Berens, Northbrook, Illinois Kelly Wilson Bhirdo, Saginaw, Michigan John Christopher Blase, St. Louis, Missouri Kevin Bruce Bogucki, Magna Cum Laude, West Bloomfield, Michigan James F. Bohan, Syracuse, New York Lou Warren Brenner Jr., Mendota Heights, Minnesota Suzen Knell Bumbalo, Jamestown, New York

Brian L. Calistri, Fayetteville, New York Patrick Joseph Carty, Bronx, New York John Paul Caterine, Waukee, Iowa Karen Marie Caughlin, Irving, Texas Dennis Aaron Chamberlain, Mount Pleasant, Michigan Stephen Y. Chan, San Diego, California JoAnn Chavez, Detroit, Michigan Barbara Jean Chisholm, West Bridgewater, Massachusetts Robert Charles Christensen, Fresno, California Mary Erin Cole, Wexford, Pennsylvania David Barnard Cosgrove, Medfield, Massachusetts Kenneth P. Cotter, Mishawaka, Indiana Robert Andrew Cox, Memphis, Tennessee Charles Patrick Cullen, Magna Cum Laude, Ellicott City, Maryland Andrea L. Cummings, Brainerd, Minnesota David K. Dalition, Fresno, California Deborah Marie Derby, Suma Cum Laude, Valley Stream, New York Katherine Condon Devers, Winnetka, Illinois Thomas Patrick Dillon, Temperance, Michigan Jane Bridgit Doetsch, South Bend, Indiana James Aloysius Dolan, Larchmont, New York Ellen Marie Donovan, Salem, New Hampshire Michael Joseph Donovan, Magna Cum Laude, Boise, Idaho Ann Kathleen Doyle, Cum Laude, Downey, California Thomas Frank Edward Falkenberg, Palatine, Illinois Ali Morad Farahmand, Tehran, Iran Patrick Joseph Fay, Clifton Park, New York Kevin Kelly Fitzharris, Fort Wayne, Indiana James Francis Flynn, Evansville, Indiana Felice R. Foundos, Calumet City, Illinois Diane Elizabeth Freese, Los Angeles, California Fred Joseph Fresard, Mount Clemens, Michigan Peter Sean Fruin, Oak Brook, Illinois C. Lvnn Gates, South Bend, Indiana Laura Wilson Gilmore, Madison, Florida Robert Keaney Goethals, Sturgis, Michigan Thomas W. Griffin, Cum Laude, Notre Dame, Indiana Louis John Grimmelbein IV, Franklin Square, New York Bradley Alan Grundy, Magna Cum Laude, Tulsa, Oklahoma

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29

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James Joseph Milligan, Arlington Heights, Illinois

- Daniel Martin Molyneaux, With Honors, Davenport, Iowa
- Elias Monteza, Panama City, Panama

Francisco Xavier Moreno, West Palm Beach, Florida

John Patrick Morgan, Bloomington, Minnesota

Anne Marie Mowchan, Mc Murray, Pennsylvania

Mary Katherine Mulvaney, With High Honors, Rochester, Indiana

Donald Patrick Murphy, Wappinger Falls, New York

Maureen Ellen Murphy, Cedarhurst, New York

Stephen Robert Murphy, Osceola, Indiana

Brian Kenneth Murray, Pittsburgh, Pennsylvania

Emily Marie Naughton, Indianapolis, Indiana

- Stacy Michelle Navadel, Vista, California
- Henry Lloyd Nearing III, With Honors, Pasadena, California
- Scott Allen Neilson, With High Honors, Anoka, Minnesota
- Timothy George Neroni, With High Honors, Dayton, Ohio

Daneka Marie Newcomer, Wooster, Ohio

James Michael Newlon, Columbus, Ohio

Colleen Ann Noe, Greensburg, Pennsylvania

Gregory Lee Nowakowski, Rochester, New York Steven Thomas Nytes, Kaukauna, Wisconsin John Lamont Obel, Mc Murray, Pennsylvania Robert William O'Brien, Pittsburgh, Pennsylvania Sean Patrick O'Connell, Overland Park, Kansas Michael John O'Connor, Brightwaters, New York Joseph Michael O'Leary, With Honors, Wellesley, Massachusetts Kelly Ross Olinger, With Honors, Huntingburg, Indiana Mark Robert Olkiewicz, With High Honors, Ship Bottom, New Jersey Timothy Michael O'Loughlin, Rochester, New York David Kenneth Olsen, Stratford, Connecticut Kevin Arthur O'Meara, Kettering, Ohio Daniel William Oppedisano, Honeoye Falls, New York Thomas James O'Rourke, Lake Forest, Illinois Peter Lim Pacheco, Manila, Philippines Marc Andrew Parker, Darien, Illinois John Bledsoe Patterson, Deerfield Beach, Florida Eugene John Patton, Maplewood, New Jersey Edward John Pelican, With Highest Honors, Arlington Heights, Illinois Vincent Michael Pellegrini, Elmwood Park, Illinois Stephen Matthew Perenich, Tarpon Springs, Florida Carmina Perez, With Honors, Rio Piedras, Puerto Rico William Jeffrey Petek, Farmington Hills, Michigan Michael Patrick Phelan, Avon, Connecticut David M. Pilarski, With Highest Honors, Niles, Michigan Charles E. Pilliod, Mexico, D.F., Mexico Brian Lee Piotrowicz, North Liberty, Indiana Lawrence Edward Playford, Westfield, New Jersey Michael Scott Pleva, Racine, Wisconsin Robert William Pollen, Naperville, Illinois \*Mark Dennis Postal, St. Louis, Missouri Meleah Ann Potter, Portland, Oregon Patricia Marie Power, Deerfield, Illinois David Edward Prinzivalli, Kaneohe, Hawaii Peter Paul Pucillo Jr., Mount Vernon, New York Patrick William Ouenan, With Honors, Shell Lake, Wisconsin Colin Kerry Quinn, Glenview, Illinois James Norbert Rademaker, Asheboro, North Carolina

Frank Anthony Ramundo, With High Honors, Batavia, Ohio

Yvette Michelle Ravry, With Honors, Stone Mountain, Georgia Paul William Ray Jr., Tolland, Connecticut Doug Edward Reilly, Orland Park, Illinois Sean Michael Reilly, Philadelphia, Pennsylvania William Michael Reilly, Spokane, Washington Lenore Frances Reznick, Phoenix, Arizona William H. Ricke, South Bend, Indiana Aisling Bernadette Rigney, With Honors. Allentown, Pennsylvania Christopher James Ritterbusch, Crystal Lake, Illinois John Thomas Roache, With High Honors, Chicago, Illinois Daniel Hovt Roberts. With High Honors. Java Center, New York Jeffrey William Robertson, Caledonia, New York Stephen O'Brien Roe, With Honors, Houston, Texas James Kenneth Rojas, Justice, Illinois James Michael Roll, Hamburg, New York Donald Joseph Romano Jr., River Forest, Illinois Linda Patricia Romero, With Highest Honors, Lincoln Center, Maine Steven Drew Rosamilia, West Caldwell, New Jersey George Joseph Ross, Cicero, Indiana Mary Beth Roveda, Lincolnshire, Illinois Patrick Joseph Russell, Lynn Haven, Florida Christopher Douglas Ryan, Cranford, New Jersey John Andrew Ryan, West Simsbury, Connecticut Mark William Saas, Fairview Park, Ohio Terrence James Sabol Jr., With Honors, Solon, Ohio James Owen Sacco, Auburn, Massachusetts Frank Joseph Salerno, Elmwood Park, Illinois Cynthia Lyn Sandfort, Granger, Indiana David Richard Sauve, Chicago, Illinois James Dominick Scazzero, Bronxville, New York James Carl Schaier, Allison Park, Pennsylvania Edward Anthony Scheidler, With Honors, Indianapolis, Indiana John Patrick Schloegel, Milwaukee, Wisconsin Steven Francis Schueppert, With High Honors, St. Paul. Minnesota Joseph H. Schwab, Noblesville, Indiana Mark Christopher Schwartzhoff, Kettering, Ohio Michael Walter Schween, With Honors, Altamonte Springs, Florida Jon Paul Scuderi, Marco Island, Florida

Thomas Raymond Rask III, Portland, Oregon

Donald Christopher Sharp, With High Honors, Leawood, Kansas Karen Leigh Sharpe, With High Honors, Center Square, Pennsylvania Kevin Michael Shaughnessy, Wheaton, Illinois Thomas Robert Shaw, St. Petersburg, Florida John Joseph Sheehan, Trumbull, Connecticut John Patrick Sheehan, Colts Neck, New Jersey Kenneth Matthew Sheehan, New Hyde Park, New York Theodore Beowulf Sheehan, Fort Lauderdale, Florida Michael David Sheets, Minden, Nevada Steven Daniel Shemwell, Grand Rapids, Michigan Peter Joseph Shuler, With Honors, Columbus, Ohio Kimberly Sue Skiles, With Honors, Indianapolis, Indiana Jill Suzanne Skonicki, Flossmoor, Illinois Michael Joseph Smiggen, Owosso, Michigan Douglas Charles Smith, Edison, New Jersey Gena Marie Smith, With High Honors, Northbrook, Illinois Patricia Marie Smith, South Bend, Indiana Michelle Ann Soper, With High Honors, Midland, Michigan Christopher Paul Spegele, Casselberry, Florida Mark Bernard Staelgraeve, Winona, Minnesota Kathleen Michelle Stanaway, Klamath Falls, Oregon Peter August Stenger, Bloomfield Hills, Michigan Kathleen Theresa Sullivan, Northport, New York Robert George Sumberac, Flushing, New York Shogo Suzuki, With Honors, Notre Dame, Indiana Thomas Albert Swope III, Ebensburg, Pennsylvania John Patrick Tansey, Oak Brook, Illinois David Avrum Temeles Jr., Falls Church, Virginia James Alan Terrell, Fairport, New York Patrick Christopher Terrell, St. Petersburg, Florida Timothy Jerome Thompson, Arlington Heights, Illinois Richard Donovan Tierney, Stratham, New Hampshire Thomas George Tomasula Jr., With Highest Honors, Sandusky, Ohio Daniel Edward Towers, Westford, Massachusetts Heidi Lynn Traupman, Coraopolis, Pennsylvania Christopher Francis Travers, Cedar Grove, New Jersey

George Francis Travers III, With High Honors, Ridgewood, New Jersey Thomas James Treacy, Peabody, Massachusetts Tracy Ann Trost, South Bend, Indiana Panos Michael Tsikopoulos, Athens, Greece Maureen Ann Tunell, With High Honors, Oklahoma City, Oklahoma James Michael Turecek, Fort Leavenworth, Kansas Linda Frances Ulager, With Honors, Coraopolis, Pennsylvania Jean Marie Van Brackel, With High Honors, Defiance, Ohio \*Heather Ann VanderBeek, South Bend, Indiana Philip Anthony Viera, Fort Lauderdale, Florida Joseph Benjamin Vierhile, With Honors, Naples, New York Joseph Andrew Vitacco, Brooklyn, New York Mark Thomas Wachter, Swedesboro, New Jersey Todd Philip Wagenblast, Valparaiso, Indiana Jeffrey Christopher Wagner, With High Honors. Chicago, Illinois Ann-Marie Walker, Nashville, Tennessee Lawrence John Wallace, Dover, Tennessee Michael Wayne Wallace, Fort Lauderdale, Florida

Peter Edward Walsh, Lincolnshire, Illinois Kevin Clifford Ward, Fort Wayne, Indiana David Victor Warmerdam, Carmichael, California Guy Gregory Weismantel, St. Charles, Illinois John Michael Welch, Needham, Massachusetts Matthew Douglas Werner, Clarkston, Michigan Michael John Werstine, With Highest Honors, Naperville, Illinois Amy Michele Wertheimer, With Honors, Columbus, Ohio Janet Louise Westenberger, Springfield, Illinois Richard Francis Westenberger, With Highest Honors, Springfield, Illinois David Richard Westendorf Jr., San Clemente, California Monica Mary Wochner, Bloomington, Illinois Paul Allen Woody, Cascade, Montana Siong Kuoh Yang, Taman Putra, Malaysia Daniel Jen-tze Yu, New York, New York Christopher Martin Zaback, Canton, Ohio Marcia Ann Zeese, With High Honors, Michigan City, Indiana Mark Lynn Zeller, Faribault, Minnesota Thomas Patrick Zidar, Birmingham, Michigan

#### IN THE COLLEGE OF ARTS AND LETTERS AND THE COLLEGE OF SCIENCE, THE FOLLOWING WERE ELECTED TO MEMBERSHIP IN THE HONOR ACADEMIC SOCIETY OF PHI BETA KAPPA:

Susan Ann Amann Mary Frances Babington Timothy Robert Bauman Teresa Jean Berg Terrance Paul Berland Brenda Ann Blohm Mary Catherine Brown Joseph Patrick Campbell Kimberly Ann Clear Susan Marie Clements Gia Marie Compagnoni Jeffrey James Derr Tyler Douglas Dorsey Christopher John Dorvault Robert Jerome Fern Brian Joseph Flynn Gary Allen Francesconi Thomas Gilbert Fraser Renee Paula Marie Gau Barbara Ellen Geraghty Thomas Lee Gillespie John Joseph Hamill Cynthia Ann Harvey Carolyn Michelle Huber Lawrence Michael Hughes Elizabeth Eda Joseph William James Kennedy David William Kinkopf Kristin Lvnn Komvatte Christina Marie Koonce Thomas Paul Krebs Robert Edward Lee III Anita Marie Leslie Susan Ann Li Laura Ann Lindner Shawn Virginia Lombardo Erin Elise Lynch

Peter James Lyon Robin Marie Maher Mark Walter Maslinski Russell Christopher Maxa John Dominic McAlearney John Raymond McArdle Molly Ann McMahon Christine Marie Megna Joseph Michael Montalbano John Alfred Muellerleile Wendy Marie Murray Joan Marie Neuner James Scott Pankow Stephen Anthony Petrill Cynthia Denise Petrites Tina Marie Pidgeon Scott Merrill Pinter Carol Therese Plum Jose de Jesus Ramos Delgadillo David Andrew Rines Laura Marie Richelsen Mark David Robinson Nicholas Angelo Rossi Kelly Ann Ryan Kenneth Frederick Scheve Jr. Carol Helene-Marie Schmidt Laurie Ann Setzke Melissa Ann Simmermeyer Matthew Jon Slaughter Laura Ann Stanton Peter Guvon Striegel Troy Lawrence Thibodeaux Scott Spencer Croy Thomas Martin Joseph Tracey Gregory G. Volan Donald Paul Woodmansee Jr.

#### IN THE COLLEGE OF ARTS AND LETTERS AND THE COLLEGE OF SCIENCE, THE FOLLOWING WERE ELECTED TO MEMBERSHIP IN THE HONOR PREMEDICAL SOCIETY OF ALPHA EPSILON DELTA:

Gregory M. Alberton Brenda Ann Blohm Julia Anne Bruce Joseph Patrick Campbell

Pamela Susan Zhulkie

Matthew Robert Caterine Antonio Feliciano Chavez Gia Marie Compagnoni Patrick Noel Cunningham Michael Joseph Curran Donna E. DeKing Paul Joseph DeMieri Jeffrey J. Derr John Patrick Dice Christopher J. Dorvault Thomas Frederick Dwyer Robert J. Fern Thomas G. Fraser Kristin Kain Galli Barbara E. Geraghty Gary Reagan Gerlacher Terin L. Glaser Michael Lawrence Glavin Kathleen Susan Graham William Dennis Guschwan John Thomas Halgren Andrew Joseph Hall Montgomery John Hegewald Kurt Matthew Heil Robert John Hruskovich Lawrence Michael Hughes Marc Pierre Jacquet David William Kinkopf Christina Marie Koonce Kevin Robert Krause Robert Edward Lee III Gregory Michael Lucas John Stewart Maier Russell C. Maxa John R. McArdle

Paul Christopher McGovern Theresa Marie McQuade Julie Lynn Mehigan Janice Paulette Miller Joseph M. Montalbano Peter Michael Mourani John Alfred Muellerleile Michael Thomas Napierkowski Matthew Alianich Nash Joan Marie Neuner George Michael Nicoloff Michael Steven O'Brien Michael Patrick O'Brien Gregory James O'Leary David Georges Raffo Thomas Michael Rashid Kay Marie Richter Scott David Ruffo Justin Peter Salem Dana A.Schaltz Carol H. Schmidt Siobhan Marie Stephen Peter G. Striegel Kyle Christopher Swanson Tracy Anne Swetz Kelly Ross Terrill David Scott Thoman Brian Alexander Torok James Michael Troutman Al Christian Cosca Villaruz Karen Marie Vossen John George Wassil Christopher Lee Westervelt Angela Monica Wimmer Donald Paul Woodmansee Jr.

#### IN THE COLLEGE OF ARTS AND LETTERS, THE FOLLOWING WERE ELECTED TO MEMBERSHIP IN THE NATIONAL HISTORY HONOR SOCIETY OF PHI ALPHA THETA:

Michael A. Bliven Donald P. Chisholm William C. Componovo Catherine F. Glenn Brian A. Lapps Jr. Charles H. Maher Mark D. Robinson Marijo Yates Richard A. Zell

#### IN THE COLLEGE OF ARTS AND LETTERS, THE FOLLOWING WERE ELECTED TO MEMBERSHIP IN THE NATIONAL HONOR SOCIETY OF SOCIOLOGY OF EPSILON CHAPTER OF ALPHA KAPPA DELTA:

Paige Elizabeth Cooper	Georgia A. Schmit
Jane Cottey	Kari Anne Swindell
James Daniel Lee	Laure Marie Thibert

#### IN THE COLLEGE OF ARTS AND LETTERS, THE FOLLOWING WERE ELECTED TO MEMBERSHIP IN THE NATIONAL POLITICAL SCIENCE HONOR SOCIETY OF PI SIGMA ALPHA:

Edward Rogers Bell Michael Andrew Bliven Michelle Irene Byrne Michael James Carrigan John Jude Farley Jennifer Antoinette Gray Lynda Kay Marshall Gregory Sean McCue Teresa Anne McFadden Tina Marie Pidgeon David Andrew Rinas Nicholas Angelo Rossi Michelle Louise Ryan Susan Alane Schoppa Martin Schries Barry Joseph Shulock Robert Samuel White

IN THE COLLEGE OF ARTS AND LETTERS, THE FOLLOWING WERE ELECTED TO MEMBERSHIP IN THE ANTHROPOLOGY HONOR SOCIETY OF LAMBDA ALPHA:

Teresa Jean Berg

Katherine Finn Boehling

#### IN THE COLLEGE OF ENGINEERING, THE FOLLOWING WERE ELECTED TO MEMBERSHIP IN THE HONOR ACADEMIC SOCIETY OF THEIR MAJOR FIELD OF STUDY:

SIGMA GAMMA TAU (Aerospace Engineering)

Eric Thomas Fick	Timothy Tze-Hau Lee
Mark William Foohey	Thomas Robert McCarthy
Peter Quintin Gendron	Michael Joseph Schuette
Aaron James Gleixner	Joseph Christopher Sturgis
Jeffrey Lawrence Janicik	Christopher John Trippel
	David James Wirthman

#### TAU SIGMA DELTA (Architecture)

John Patrick Adams Roberto Joseph Bajandas Patrick John Endler Amy Karen Galvin Matthew John Grahek F. Russell Hines Mary Bridget O'Neil Walter A Tambor Jeffrey Dee Terrell Peter Francis Vieira, Jr.

CHI EPSILON (Civil Engineering)

Teresa Mary GianoliMichael Robert RingroseCharles Carroll McCloskey IVBradley Lee Ruppel

ETA KAPPA NU (Electrical Engineering)

Steven Michael Baldo John Gerard Bellemore Patrick Dankoski Gregory Vincent Degnan Mark Joseph Field Kathleen Marie Fochler Michael James Heckler Thomas John Huber Richard Nicholas Iachetta, Jr. Stephen Richard Koenig Nicklaus Allen Lenzmeier Peter James Marshall Sean Patrick McKenna Kevin James Pint Kenneth Patrick Stimeling Robert Joseph Szczerba William Joseph Szlaius John Michael Tracey Christina Ann Valicenti Timothy Oliver Withum John Wolfram

PI TAU SIGMA (Mechanical Engineering)

Julie Lynne Beyers Joan Elizabeth Bott Carl Anthony Flecker III Paul Edward Massaro Michael Crittenden Newell Richard John Noble Stephanie Anne Nomura James Buckley Nusrala William Jerome Olsen Shawn Phillip Patterson Anthony William Samer Michael Scott Sefransky Richard Anthony Shank Stephen Shulkowski Stephanie Lynn Tolstedt Robert L. Vieyra John Ferdinand Whelpley

#### ALPHA SIGMA MU (Metallurgical Engineering)

Baozhen Li Sean Patrick Maroney

#### IN THE COLLEGE OF BUSINESS ADMINISTRATION, THE FOLLOWING WERE ELECTED TO MEMBERSHIP IN THE HONOR SOCIETY OF BETA GAMMA SIGMA:

Graduate students:

Laura J. Gust

Puneet Kumar Jain

Murli G. Kotteyil

Daniel T. Alt Robert C. Hersh Edward Charles Balog John A. Hoover Paul Matthew Bierbusse John L. Kozal Joseph Michael Buffone David Charles Krawec Christine Genalin J. Concepcion Angelo J. Loumbas Deborah Marie Derby Richard Walther Mulvey Moira H. Devlin John Henry Pazynski Daniel Erick Fischer John M. Perino Kathleen Marie Fitzgerald James Michael Rogers Nancy Jean Folzenlogen Patricia Lynne Shaw Mark Edward Forner Kristen Jean Stockdill Mark Joseph Foster Thomas Scott Taylor Christopher Patrick Goles F. Paul Tigh John Stoetzer Gray Michelle M. Vician Charles William August Hagel Richard Westenberger William E. Harris Adam J. Zyczkowski

#### Undergraduate students:

Maureen Helen Albrich David Richard Alexander Peter Thomas Anderson Cynthia Marie Bates John Maxwell Baumer Angela Maria Bellanca Scott Joseph Brachmann Timothy Gerard Dillane John C. Dunne Michael Ross Durbin Robert Lyle Earl II Gary Allen Freeman Brian Patrick Gallagher Daniel Patrick Garvey James Michael Gorenz Richard Jay Granger Cynthia Elizabeth Guckien Kathleen Dawn Habiger Michael Louis Henn Michael Joseph Higgins David Paul Holland

John Paul Horning Furkan Haider Javaid Norman Santiago Kurtis Salvatore John LaMendola Joseph Brian Levan Scott Daniel Miller Mary Katherine Mulvaney Timothy George Neroni Edward John Pelican David M. Pilarski Frank Anthony Ramundo John Thomas Roache Daniel Hoyt Roberts Linda Patricia Romero Steven Francis Schueppert Donald Christopher Sharp Karen Leigh Sharpe Michelle Ann Soper Thomas George Tomasula Jr. George Francis Travers III Maureen Ann Tunell Jean Marie Van Brackel Michael John Werstine

#### IN THE COLLEGE OF BUSINESS ADMINISTRATION, THE FOLLOWING WERE ELECTED TO MEMBERSHIP IN THE HONOR ACADEMIC SOCIETY OF BETA ALPHA PSI:

Maureen Albrich David Allen Augustyn Mary Margaret Baron Cynthia Marie Bates Todd Andrew Belden Timothy Richard Bettinger John David Bottarini Scott Joseph Brachmann Michael Andrew Caponigro Joseph John Casey Timothy Gerard Dillane Margo Therese Duba David Patrick Elder Timothy Brendan Fagan Kathleen Ann FitzPatrick Sean Thomas Fitzpatrick Ronald David Flynn Gary Allen Freeman Brian Patrick Gallagher James Michael Gorenz Richard Jay Granger Cynthia Elizabeth Guckien

Kathleen Dawn Habiger Michael Louis Henn Michael Joseph Higgins David Paul Holland John Paul Horning Furkan Haider Javaid Keith Stanley Johnson Todd Alan Laddusaw Colin Joseph Lahiff Michael Scott Lane Joseph Brian Levan Anne Marie Lindner Matthew Kollmar Maher Matthew Marro Jeffrey William Martin Sarah McCuen Warren Keith McDonald Mary Katherine Mulvaney Henry Lloyd Nearing III Michael John O'Connor Mark Robert Olkiewicz Edward John Pelican

Carmina Perez David M. Pilarski Frank Anthony Ramundo Yvette Michelle Ravry Aisling Bernadette Rigney Steven Francis Schueppert Donald Christopher Sharp Karen Leigh Sharpe Kimberly Sue Skiles Michelle Ann Soper Ross P. Sullivan Shogo Suzuki Thomas George Tomasula, Jr. George Francis Travers, III Linda Frances Ulager Jean Marie Van Brackel Jeffrey Christopher Wagner David Victor Warmerdam Amy Michele Wertheimer Richard Francis Westenberger Marcia Ann Zeese

#### IN THE COLLEGE OF ARTS AND LETTERS, THE FOLLOWING WERE ELECTED TO MEMBERSHIP IN THE ECONOMIC HONOR SOCIETY OF OMICRON DELTA EPSILON:

Tamara Leigh Beyers Robert Andrew Brutvan Christopher Paul Carney Christine Margaret Collins Mari Furuhashi Robert Gerard Hogan Christopher David Horton Frank T. Jiang Elizabeth Eda Joseph William James Kennedy Thomas Charles King David Thomas Kramer Thomas Paul Krebs John Dominic McAlearney Anthony Wesley McHale William Edwin Picht Jr. Kenneth Frederick Scheve Jr. Michael Brian Sheedy Matthew Jon Slaughter Kevin Edward Steele Elizabeth Toole Lori Christine Weidner

#### IN THE COLLEGE OF ARTS AND LETTERS, THE FOLLOWING WERE ELECTED TO MEMBERSHIP IN THE MODERN AND CLASSICAL LANGUAGES HONOR SOCIETY OF DELTA PHI ALPHA:

Mary Catherine Gruber Mark Andrew Kramer Sara Elizabeth Marley Michael Joseph McNerney Abel Portillo Olivas Gregory J. Scheckber

#### IN THE COLLEGE OF BUSINESS ADMINISTRATION, THE FOLLOWING WERE SELECTED TO THE FINANCIAL MANAGEMENT ASSOCIATION NATIONAL HONOR SOCIETY:

#### Senior Candidates

Steven McCarthy Joseph Meyer Kelly Olinger Terrence Sabol Peter Shuler

#### MBA Candidates

Christine Concepcion Christopher Goles Chris Hagel Robert Hersh John Kozal David Krawec Richard Laberge Angelo Loumbas Richard Mulvey John Perino Kristen Stockdill

### **AWARDS AND PRIZES**

#### TEACHING AWARDS

#### LAW SCHOOL

#### NOTRE DAME LAW SCHOOL DISTINGUISHED FACULTY AWARD William O. McLean Assistant Dean and Concurrent Professor of Law

#### **COLLEGE OF ARTS AND LETTERS**

CHARLES E. SHEEDY AWARD FOR EXCELLENCE IN TEACHING IN THE COLLEGE OF ARTS AND LETTERS Sonia G. Gernes Associate Professor of English

#### **COLLEGE OF BUSINESS ADMINISTRATION**

MBA OUTSTANDING TEACHER AWARD Lee Tavis C. R. Smith Professor of Business Administration, Finance & Business Economics

EXECUTIVE MBA BEST TEACHER AWARD Hector Guerrero Assistant Professor of Management

SENIOR CLASS OUTSTANDING TEACHER AWARD Michael Morris Associate Professor of Accountancy

#### **COLLEGE OF ENGINEERING**

OUTSTANDING TEACHER AWARD Leonard Morse-Fortier Professor of Civil Engineering

#### **COLLEGE OF SCIENCE**

SHILTS-LEONARD TEACHING AWARD IN THE COLLEGE OF SCIENCE Jeremiah P. Freeman Professor of Chemistry

#### IN THE LAW SCHOOL

THE COLONEL WILLIAM J. HOYNES AWARD For outstanding scholarship, application, deportment, and achievement

W. Casey Walls, Long Beach, California

DEAN DAVID T. LINK AWARD For outstanding service in the field of Social Justice

Stuart Harrison Baggish, Austin, Texas

THE DEAN JOSEPH O'MEARA AWARD For outstanding academic achievement

Deborah Marie Derby, Valley Stream, New York

DEAN KONOP LEGAL AID AWARD For outstanding service in the Legal Aid and Defender Association

Jane Bridget Doesch, South Bend, Indiana

#### EDWARD F. BARRETT AWARD

For outstanding achievement in the art of Trial Advocacy

Scott Michael Hardek, Chicago, Illinois Patrick Walter Johnson, Chicago, Illinois

- THE FARABAUGH PRIZE For high scholarship in law George Patrick McCarthy, Hempstead, New York
- THE A. HAROLD WEBER MOOT COURT AWARDS For outstanding achievements in the art of Oral Argument
  - Richard Michael Beck, Wilmington, Deleware Brian L. Calistri, Fayetteville, New York Ellen Marie Donovan, Salem, New Hampshire Susan Marie Kircher, Pittsford, New York Anthony Peter Patti, Ann Arbor, Michigan Theresa Marie Ward, High Falls, New York
- A. HAROLD WEBER WRITING AWARD For excellence in essay writing Ann Alyce Werdel, Bakersfield, California

#### INTERNATIONAL ACADEMY OF TRIAL LAWYERS AWARD

For distinguished achievement in the art of Advocacy

George David Porter, Sunrise Beach, Missouri Kevin Fullbright Warren, Tempe, Arizona

#### WILLIAM T. KIRBY AWARD

For excellence in legal writing

Richard Michael Beck, Wilmington, Delaware Brian L. Calistri, Fayetteville, New York

Ellen Marie Donavan, Salem, New Hampshire

JESSUP INTERNATIONAL MOOT COURT AWARD

For excellence in Advocacy

Patricia Marie Kessler, San Diego, California Anthony Kevin Martinez, Grants, New Mexico Joseph L. Novak, State College, Pennsylvania

#### IN THE COLLEGE OF ARTS AND LETTERS

#### THE ACADEMCY OF AMERICAN POETS PRIZE

To the undergraduate or graduate student submitting the best collection of original poetry

Kevin McCormick, San Antonio, Texas

James Pastor, Manhasset, New York

Ellen Louise Healey, Rumford, Rhode Island

# THE GERTRUDE AUSTIN MARTI AWARD IN THEOLOGY

To a graduating senior who has given evidence of qualities of personal character and academic achievement in Theological Studies

Kristin Lynn Komyatte, Munster, Indiana

#### THE PAUL BARTHOLOMEW ESSAY PRIZE

To the student who submits the best senior honors essay in the fields of American Politics or Political Theory

Barry J. Shulock, Courtney, Pennsylvania

#### THE OTTO A. BIRD AWARD

To the program of Liberal Studies senior for the best senior essay written by a student in the Program of Liberal Studies

James Roger Otterson, Joliet, Illinois

#### THE REV. JOSEPH H. CAVANAUGH, C.S.C. AWARD

To the senior who has evidenced high qualities of personal character and academic achievement, particularly in the Theological Studies

Peter Joseph Smith, Wilmette, Illinois

Martin Joseph Tracey, Norfolk, Connecticut

THE JAMES B. CARROL ANNUAL PRIZE For the best contribution to the Juggler and/or for best artwork contribution to the Juggler

James Vincent Pastor, Notre Dame, Indiana

#### THE EDWARD J. CRONIN AWARD

To the Program of Liberal Studies student for excellence in writing in normal coursework during the past year

Susan Marie Clements, South Bend, Indiana

Peter James Lyon, Chatham, New Jersey

#### DEPARTMENT OF MUSIC SENIOR AWARD

Awarded to the most outstanding Music Department senior by vote of the Undergraduate Committee

Bridget Virginia McGrath, Colorado Springs, Colorado

#### THE DOCKWEILER MEDAL FOR PHILOSOPHY

To the senior in the College of Arts and Letters who submits the best essay on a philosopical subject

Matthew McGrath, Pittsburg, Kansas

THE MARGARET EISCH MEMORIAL PRIZE IN SOCIOLOGY

To the most outstanding senior majoring in Sociology

Kari Swindell, Tupelo, Mississippi

#### CATHERINE HICKS AWARD

For outstanding academic and creative work in the area of Theatre

Robert Lynn Dvorak, Califon, New Jersey

#### THE JACQUES GOLD MEDAL OF FINE ARTS Jose Miguel Perez, Guayaquil, Ecuador

THE JACQUES SILVER MEDAL OF FINE ARTS Brian Christopher Doherty, East Lansing, Michigan

### THE HELEN KELLOG INSTITUTE PRIZE FOR LATIN AMERICAN STUDIES

For the undergraduate at Notre Dame who qualifies for the certificate in Latin American studies and has written an outstanding essay on Latin America

Gina Mae Perez, Stockton, California

Elizabeth Ciotti, Wichita, Kansas

#### THE STEPHEN KERTESZ ESSAY PRIZE

To the student who submits the best senior honors essay on subjects in the fields of Interpersonal Relations or Comparative Politics

Michael J. Carrigan, Boulder, Colorado

Michael McNerney, Rockawaw Beach, New York

### WALTER LANGFORD AWARD FOR EXCELLENCE IN FRENCH LITERATURE

To the graduating senior major whose work was deemed most outstanding in French Literature by the Romance Languages and Literature faculty

Susan Clements, South Bend, Indiana

WALTER LANGFORD AWARD FOR EXCELLENCE IN SPANISH LITERATURE

To the graduating senior major whose work was deemed most outstanding in Spanish Literature by the Romance Languages and Literature faculty

Melissia Simmermeyer, Brookville, Indiana

#### MEEHAN MEDAL FOR LITERARY MERIT

To the senior who writes the best literary composition in English

Jon M. Theisen, Altoona, Wisconsin

#### THE J. SINNOT MEYERS AWARD

To an American Studies senior for outstanding service to the academic community

Philip John Kraker, Absecon, New Jersey

Theresa Joy Loomis, St. Paul Minnesota

### THE WILLIAM MITCHELL MEMORIAL AWARD FOR PLAYWRITING

To the student who submits the best original play to the Department of English

Joseph A. Bucolo, Elmwood Park, Illinois

#### THE REV. RAYMOND W. MURRAY, C.S.C. AWARD IN ANTHROPOLGOY

To the outstanding senior majoring in Anthropology Teresa Jean Berg, Greenfield, Indiana

THE PAUL NEVILLE JOURNALISM AWARD To a senior in American Studies for excellence in journalism

Regis James Coccia, Bound Brook, New Jersey

#### THE WILLIS D. NUTTING AWARD

To the Program of Liberal Studies senior who has contributed most of the education of fellow students

Michael Joseph Dunn, Wethersfield, Connecticut

#### THE MONSIGNOR FRANCIS A. O'BRIEN AWARD

To the senior student who has achieved distinction in an essay on a historical subject designated by the chairman of the Department of History

Michael A. Bliven, Dallas, Oregon Mark D. Robinson, Iowa City, Iowa

### THE HUGH A O'DONNELL AWARD IN AMERICAN STUDIES

To a senior in American Studies for outstanding academic achievement

Cynthia Denise Petrites, Missouri City, Texas

#### JOSEPH P. O'TOOLE JR. PRIZE

For outstanding academic work in the area of Film/Video

Michael Edward Evces, Northport, Alabama

#### RADWAN & ALLAN RILEY PRIZE IN DESIGN Jose Miguel Perez, Guayaquil, Ecuador

RADWAN & ALLAN RILEY PRIZE IN STUDIO ART Jana Therese Colacino, West Des Moines, Iowa

#### THE ERNEST SANDEEN POETRY AWARD For outstanding poetry written during the school year

Jonathan Norton, South Bend, Indiana

#### SENIOR RECOGNITION AWARD IN PSYCHOLOGY

In acknowledgement of meritorius accomplishment in research, academic performance, or student-life activities

Peter Andrew Dillon, Cincinnati, Ohio

Tyler Douglas Dorsey, Fort Gordon, Georgia

Susan Ann Li, Kettering, Ohio

Stephen Anthony Petrill, Wellington, Ohio

Julie Elizabeth Paradis, West Chatham,

Massachusetts

THE RICHARD J. SULLIVAN AWARD FOR FICTION WRITING

To the student who submits the best short story

Robert Palladino, Exton, Pennsylvania

#### THE WEBER AWARD

To the student in the Department of Economics who has achieved the highest academic average

Matthew J. Slaughter, Minnetonka, Minnesota Kenneth F. Scheve, Prairie Village, Kansas

#### THE PROFESSOR JAMES WITHEY AWARD

To a senior in American Studies for notable achievement in writing

Mary Killeen Mullen, Mantoloking, New Jersey

#### IN THE COLLEGE OF SCIENCE

#### AETNA LIFE INSURANCE AWARD

For excellence in Probability and Statistics Terrance P. Berland, Abilene, Kansas

#### AMERICAN INSTITUTE OF CHEMISTS

For scholastic achievements, ability, and potential advancement in the chemical profession

Sandra Plevyak, Phillipsburg, New Jersey

### THE DEANS' AWARD FROM THE COLLEGE OF SCIENCE

Presented to the outstanding graduating senior in the College of Science in recognition of exemplary personal character, leadership, service, and outstanding achievement

Russell C. Maxa, Cheraw, South Carolina

#### DR. RAYMONND C. GUTSCHICK AWARD

To the graduating senior who has demonstrated the most promise in geological research as evidenced by a successful undergraduate research project

Gregory P. Chludzinski, Flanders, New Jersey

#### THE REV. ALEXANDER KIRSCH, C.S.C., AWARD

To the senior majoring in Earth Science who has evidenced high qualities of personal character, scholarship, and leadership

Brenda J. Buck, Hall, Montana

#### THE LAWRENCE H. BALDINGER AWARD

To the senior in the Preprofessional Program who excelled in scholarship and leadership

Jeffrey J. Derr, Sauk Rapids, Minnesota

Christopher J. Dorvault, Boca Raton, Florida

Christina M, Koonce, Mayfield, Kentucky

#### MERCK INDEX AWARD

For outstanding achievements in Chemistry

Angaela Calabrese, Charleston, Illinois

#### OUTSTANDING BIOSCHEMIST AWARD

For leadership, academic achievements, research, and scholarship in Biochemistry

Karen Vossen, Monroeville, Pennsylvania

Barbara Geraghty, Seattle, Washington

#### OUTSTANDING CHEMIST AWARD

For academic and research achievements in Chemistry as an undergraduate

Patrick Cunningham, Avon Lake, Ohio

#### OUTSTANDING SENIOR BIOLOGICAL SCIENTIST

To the senior who has demonstrated the most promise in the Biological Sciences as evidenced by both academic performance and research participation

David William Kinkopf, Lakewood, Ohio Kimberly Ann Hallahan, Delafield, Wisconsin

#### OUTSTANDING SENIOR PHYSICS MAJOR David W. Sutter, Morgantownn, West Virginia

#### SENIOR BIOLOGICAL SCIENCES SERVICE AWARD

To the senior who has evidenced the highest qualities of personal character, leadership, and service to the Department of Biological Sciences

Mary Patricia Henahan, Delmar, New York

SENIOR GENERAL ELECTRIC PRIZE FOR

#### MATHEMATICS MAJORS

For excellence in Mathematics

Laurie Ann Stzke, Menomonee Falls, Wisconsin

# SENIOR GENERAL ELECTRIC PRIZE OF HONORS MAJORS IN MATHEMATICS

For excellence in Mathematics

David E. Hurtubise, Laramie, Wyoming

David J. Schmitz, De Land, Florida

### WILLIAM R. WISCHERATH OUTSTANDING CHEMISTRY MAJOR AWARD

To a graduating senior majoring in Chemistry for academic achievement

Patrick Mcloughlin, Central Islip, New York

#### IN THE COLLEGE OF ENGINEERING

#### THE ALPHA RHO CHI MEDAL

To the Graduating student in Architecture who has the quality of leadership and who shows promise of high professional merit

Kieran Weldon, Fresno, California

#### AMERICAN INSTITUTE OF ARCHITECTS AWARD

For general excellence in the field of Architecture

Jeffrey D. Terrell, Stramwood, Illinois

Patricia A. Dever, Bethel, Connecticut

#### AMERICAN INSTITUTE OF CHEMISTS AWARD

To an outstanding Senior student majoring in Chemical Engineering on the basis of a demonstrated record of leadership, ability, character, scholastic achievement, and potential for advancement of the Chemical professions

Kimberly Suzanne Miller, Pittsburgh, Pennsylvania

### CHAIRMAN'S AWARD FOR ADVANCED DESIGN EXCELLENCE IN ARCHITECTURE

To the student with the best fifth-year design project in the fall semester

Jose Pinto, San Jose, Costa Rica

CHEMICAL ENGINEERING ALUMNI AWARD

In recognition of high scholastic standing and involvement in extra curricular activities

Theresa Lynn Einloth, Pittsburgh, Pennsylvania

#### CHEMICAL ENGINEERING FACULTY AWARD

By the Chemical Engineering Faculty in recognition of outstanding scholastic achievement in the undergraduate curriculum

Marta Lea Verhoff, Goshen, Indiana

### THE VINCENT P. GODDARD AWARD FOR AEROSPACE DESIGN

For outstanding performance in Aerospace Systems Design

Mark William Foohey, Eldersburg, New Hampshire

THE LEROY D. GRAVES ACADEMIC IMPROVEMENT AWARD

Given for the most academic improvement in the Department of Civil Engineering

Jeremy Thomas Walker, Bedford, New Hampshire

### THE SYDNEY KELSEY OUTSTANDING SCHOLAR AWARD

Given to the most outstanding scholar in the Department of Civil Engineering

John Alan Uebler, Glen Mills, Pennnsylvania

#### THE JAMES L. MASSEY AWARD

To the student whose performance has been outstanding in the area of communications

Paul Dankowski, Midland, Michigan

#### THE BASIL R. MYERS AWARD

For outstanding performance in academics both within and without the Electrical Engineering program

Matthew A. Grayson, St. Charles, Missouri

#### THE NATIONAL ENGINEERING CONSORTIUM WILLIAM L. EVERITT STUDENT AWARD FOR EXCELLENCE

To students who have demonstrated academic excellence and interest in the field of Communications

#### Paul C. Dankowski, Midland, Michigan

John M. Slattery, Pittsford, New York

#### JEROME L. NOVOTNY DESIGN AWARD IN THERMAL SCIENCE

For the best design in the senior Heat Transfer course

Paul Masarro, New Castle, Pennsylvania

#### THE RAMBUSCH PRIZE IN ARCHITECTURE

To a student in the School of Architecture offering the best solution to a problem related to Religious Art and Architecture

Sean Garrett, Troy, Michigan

Peter Vieira, Villanova, Pennsylvania

#### **RESEARCH AWARD**

In recognition of outstanding undergraduate research

Steven Eric Deutsch, Easton, Pennsylvania

### THE WALTER L. SHILTS AWARD FOR UNDERGRADUATE ACHIEVEMENT

In recognition of outstanding undergrauate achievement

Michael Robert Ringrose, Roseville, Minnesota

#### THE GERTRUDE S. SOLLITT AWARD

For the best project completed by a fifth-year Architecture student during the elective Design course or a thesis compiled in the required Design course

Lorena Gonzalez, Corpus Christi, Texas

#### THE RALPH T. SOLLITT AWARD

For best design in fifth-year Architecture in the required Design course

Anne Fehlner, South Bend, Indiana

Karl Kruegar, Vail, Colorado

#### THE LAWRENCE F. STAUDER AWARD

To an outstanding student who has demonstrated professional leadership and service to the Department of Electrical Engineering

Steven Werner Schmidt, Pittsford, New York

#### THE REV. THOMAS A. STEINER PRIZE

To the outstanding Engineering students who have displayed qualities of leadership

Paul C. Dankoski, Midland, Michigan

Paul E. Massaro, New Castle, Pennsylvania

Jeffrey D. Terrell, Stramwood, Illinois

Marta Lea Verhoff, Goshen, Indiana

### ZAHM PRIZE FOR AERONAUTICAL ENGINEERING

To the senior who has achieved the most distinguished record in Aeronautical Engineering

David J. Wirthman, Foster City, California

### IN THE COLLEGE OF BUSINESS ADMINISTRATION

#### ACCOUNTING CHAIRMAN'S AWARD

To the senior for outstanding service to the Department of Accountancy

Tom Tomasula Jr., Sandusky, Ohio

Joe Levan, Kentwood, Michigan

THE WESLEY C. BENDER AWARD FOR MARKETING

To a senior with the best performance in the Marketing concentration

Kurt R. Grossheim, Victoria, Texas

Gena M, Smith, Northbrook, Illinois

#### THE DEAN'S AWARD

To the student whose leadership within the College of Business Administration was outstanding

Richard Westenberger, Springfield, Illinois

#### THE PAUL D. GILBERT AWARD

To the senior with a Marketing concentration demonstrating outstanding leadership in departmental activities

Megan M. Hanley, Lake Forest, Illinois

#### THE HAMILTON AWARD FOR ACCOUNTANCY

To the outstanding senior in the Department of Accountancy in the College of Business Administration

Scott Brachmann, Sheboygan, Wisconsin

#### THE HAMILTON AWARD FOR FINANCE

To a senior in the Department of Finance in the College of Business Administration with high academic credentials

John M. Baumer, South Bend, Indiana

#### THE HAMILTON AWARD FOR MANAGEMENT

To the outstanding senior in the Department of Management in the College of Business Administration

Laura Ann Gonzales, Louisville, Kentucky

#### THE HAMILTON AWARD FOR MARKETING

To the outstanding senior in the Department of Marketing in the College of Business Administration

Angela Bellanca, Harbor City, California

#### THE HERMAN CROWN AWARD

To the College of Business Administration senior in the Department of Finance who has achieved the highest overall grade point average

David R. Alexander, East Brunswick, New Jersey

Michael J. Werstine, Naperville, Illinois

#### THE INDIANA CPA SOCIETY AWARD

To the Indiana student best exemplifying the qualities necessary for success in the Accounting profession

Michael Henn Jr., Warsaw, Indiana

#### RAYMOND P. KENT AWARD

To a senior in the Department of Finance in the College of Business Administration for outstanding performance in Finance courses

John C. Dunne, South Bend, Indiana

#### LE CLAIR EELLS AWARD

To a senior in the Department of Finance in the College of Business Administration for outstanding leadership

Maureen A. Tunnell, Oklahoma City, Oklahoma

#### THE MANAGEMENT AWARD

To the outstanding student in the Department of Management (MIS track)

Cathleen Marie Haynes, Syracuse, New York

#### IN THE UNIVERSITY

#### JOHN J. CAVANAUGH, C.S.C. AWARD

To the senior Army cadet officer for excellence in leadership, academic attainment, and participation in military affairs

Tyler D. Dorsey, Fort Gordon, Georgia

THE REV. A. LEONARD COLLINS, C.S.C. MEMORIAL PRIZE

To a graduating senior who has made substantial personal efforts to advance the interest of students at the University of Notre Dame

David William Kinkopf, Lakewood, Ohio

#### PATRICK DIXON AWARD

To the outstanding Army ROTC cadet at Notre Dame for the past school year

Michael H. Park, Muncie, Indiana

#### THE NOEL A. DUBE MEMORIAL AWARD

To the Air Force ROTC Arnold Air Society senior who consistently has demonstrated outstanding leadership and contributed most toward espirit de corps and morale in the Cadet Group

Mary E. Munhall, Gibsonia, Pennsylvania

#### THE BYRON V. KANALEY AWARD

Awarded to the senior monogram athlete who has been most exemplary as a student and a leader

Patrick C. Eilers, St. Paul, Minnesota

Lisa Mary Kuhns, Fort Walton Beach, Florida

Alice Odette Lohrer, Panama City, Panama

Scott Milan Paddock, Pompano Beach, Florida

#### THE NOTRE DAME AIR FORCE AWARD

To the Air Force ROTC senior with the highest combined merit of character, leadership, scholarship, and officer potential using the "Whole Person" concept

Eric T. Fick, Trenton, Illinois

#### THE REV. J. HUGH O'DONNELL AWARD

To the senior achieving the highest combined merit of scholarship in Naval Science subjects and Naval aptitude

Colin E. Lindahl, Webster, New York

#### THE DANIEL H. PEKTKE MEMORIAL AWARD

Presented to two seniors in the Notre Dame Glee Club in recognition of musical leadership, exemplary personal character, and overall contribution to the success of the group

Timothy M. Kenny, Bloomington, Minnesota Jayme C. Stayer, Canton, Ohio

#### GEORGE STRAKE AWARD

To the Midshipman First Class who has made an outstanding record in academic achievement, student activities, and leadership qualities throughout four years as a Navy ROTC Candidate

Laura M. Scotty, Lake Oswego, Oregon

#### NATIONAL AWARDS

FORD FOUNDATION FELLOWSHIP Gabriella Ippolito, Buennos Aires, Argentina Rodrigo Atria Benapres, Santiago, Chile

FULBRIGHT SCHOLARSHIP Fausto Diaz Montes, Oaxaca, Mexico

#### NATIONAL SCIENCE FOUNDATION GRADUATE FELLOWSHIP

Theresa Lynn Einloth, Pittsburgh, Pennsylvania James Joseph Frederic, Lafayette, Louisiana James Milton Harder, South Bend, Indiana David Edward Hurtubise, Laramie, Wyoming Donna Sue Martinez, Pueblo, Colorado Kimberly Suzanne Miller, Pittsburgh, Pennsylvania David J. Schmitz, De Land, Florida David William Sutter, Morgantown, West Virginia Marta Verhoff, Goshen, Indiana

# 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 discernible 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

### SYMBOLS OF OFFICE

#### The Presidential Medal

The Presidential Medal was introduced at the inauguration of Notre Dame's 16th President, the Reverend Edward A. Malloy, C.S.C. The medal, struck in bronze and plated in gold, was made by the Medallic Art Company, Danbury, Connecticut.

The seal of the University forms the center of the medal and is mounted in relief against a larger cross representing the Congregation of Holy Cross, the religious community which founded the University in 1842. In traditional heraldry, the shield unsupported and central in the seal is appropriate for an institution of learning. At the base of the shield are two waves which symbolize the waves of St. Mary's Lake on whose shores the university was founded. In the upper left a six-pointed star, considered the perfect form, signifies "Star of the Sea," a title accorded the Virgin Mary for whom Notre Dame is named. A cross symbolizes Christianity. The open book, emblematic of education, is inscribed with the Latin words, "Vita, Dulcedo, Spes, " or "Our life, our sweetness, and our hope." These words, first addressed to Our Lady by Saint Bernard, are taken from the familiar prayer, "Salve Regina," or "Hail Holy Queen."

#### The University Mace

The academic scepter, or mace, was one of the earliest distinctive signs of medieval university officials. The mace was originally a wooden staff carried by royal messengers. The early wooden staff of the university beadle, a subaltern official, evolved in the 14th century into an elaborate silver mace. It was carried by the beadle during processions and graduation ceremonies, and was displayed as a symbol to command order during classes. In the 15th century it became symbolic of academic dignity. An essential part of the mace was the staff or cylindrical rod (*tibia*), originally a tube of silver filled with wood or some other base materials. The staff, divided into several sections, was held together by a ring-shaped excrescence (*nodus*). The staff was crowned with a bell-shaped head (*caput*); at the base was a finial (*membrum terminale*).

The Notre Dame mace was designed and executed by Rev. Anthony Lauck, C.S.C., professor emeritus of art, art history and design. The bronze *caput* repeats the University seal found on the Presidential Medal, but brings the star outside the shield where its separate rendering emphasizes the patronage of the Virgin Mary. Its shaft is in walnut and the star and the finial bear the University colors gold and blue.

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