

NOTRE DAME REPORT

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SEPTEMBER 15, 1995 • NUMBER 2

FACULTY NOTES

Honors

Robert R. Coleman, assistant professor of art, art history and design, has joined the board of directors of the Midwest Art History for a two-year term ending in 1997.

Mohamed Gad-el-Hak, professor of aerospace and mechanical engineering, has been elected a member of the NASA/DOE advisory board for the Aerospace/Energy Research and Education Program at Southern University in Baton Rouge, La.

Catherine Mowry LaCugna, professor of theology, received the Catherine of Siena Award from Pasquerilla East Hall at the University of Notre Dame, April 29.

Guillermo O'Donnell, academic director of the Kellogg Institute and professor of government and international studies, has been appointed a member of the international advisory board of the Centro de Estudios Legales y Sociales of Buenos Aires, Argentina. He has been appointed a member of the Society for Comparative Research, Wissenschaftszentrum für Sozialforschung, in Berlin, Germany.

John E. Renaud, Clark assistant professor of aerospace and mechanical engineering, was selected as one of the initial 15 board members for the newly formed Academic Coalition for Intelligent Manufacturing Systems.

David N. Ricchiute, Deloitte and Touche professor of accountancy, has been appointed director of research for the Auditing Section of the American Accounting Association.

Activities

Scott Appleby, associate professor of history and director of the Cushwa Center, lectured on "Mapping American Catholicism" at the University of Dayton in Dayton, Ohio, July 13. He presented "The Cultural Context for American Catholic Social Action" at the U.S. Catholic Conference roundtable meeting in Chicago, Ill., Aug. 23.

Supriyo Bandyopadhyay, associate professor of electrical engineering, presented the invited seminar "Computing with Quantum Dots: Novel Architectures for Nanoelectronics" at the Department of Electrical Engineering at the University of Cincinnati in Cincinnati, Ohio, Aug. 16. He presented the invited paper "Artificial Quantum Solids that Compute" at the international Solid State Devices and Materials conference at Osaka, Japan, Aug. 22. He presented the keynote paper "Optical, Electronic and Magnetic Properties of Self-organized Periodic Quantum Dot Arrays" co-authored by Albert E. Miller, professor of chemical engineering, at the eighth international confer-

ence on Superlattices and Microstructures in Cincinnati, Ohio, Aug. 24. He co-authored the keynote paper "Computing Quantum Solids" and two papers titled "Energy and Momentum Relaxation Rates of Hot Electrons in a Quantum Wire Subjected to a Magnetic Field" and "Excitonic States in a Quantum Wire" at that conference.

Thomas M. Barkes, associate professional specialist in communication and theatre, served as a member of a panel and discussed "Reducing Theatre of Human Sacrifice," an approach in developing theatre departments which maximizes quality of production and the ethical treatment of staff, at the Association for Theatre in Higher Education conference in San Francisco, Calif., Aug. 10.

Peter H. Bauer, associate professor of electrical engineering, gave the presentation "Asymptotic Stability of Linear Shift-Variant Difference Equations with Diamond-Shaped Uncertainties" at the 1995 IEEE international symposium on Circuits and Systems in Seattle, Wash., May 1. He gave two presentations "Zero-Convergence of 2-D Roesser State Space Models Implemented in Floating Point Arithmetic" and "Robust Asymptotic Stability of 2-D Shift-Variant Discrete State-Space Systems" at the 38th Midwest symposium on Circuits and Systems held in Rio de Janeiro, Brazil, Aug. 14.

William B. Berry, professor of electrical engineering, presented the paper "Water Quality Management in Industrial Processes: Part I — Use of Ozone in Coding Towers" at the U.S. Department of Energy — Industrial Assessment Center program conference in Baltimore, Md., Aug. 6-9.

Kathleen Biddick, associate professor of history, delivered a paper titled "The ABC of Ptolemy: Mapping the World with the Alphabet" at a session on Text and Territory at the 30th international congress of Medieval Studies at Western Michigan University in Kalamazoo, Mich., May 5. She gave an invited paper titled "Body Parts in the Archive: The Shock of the 'Medieval' in Postcolonial Untranslatability" in a session on Time, Space and Memory at the second Theory Culture and Society conference held in Berlin, Germany, Aug. 10-14.

Hsueh-Chia Chang, professor of chemical engineering, presented the invited talks "Wave Dynamics on a Falling Film" at the AMS-IMS-SIAM summer research conference in Seattle, Wash., June 22-28. He presented "Falling-Film Dynamics and Mass Transfer" at the Fine-Particle Society meeting in Chicago, Ill., Sept. 22-25.

Kevin J. Christiano, associate professor of sociology, chaired and served as discussant in a session on empirical studies in "The Sociology of Values" at the annual meeting of the American Sociological Association in Washington, D.C., Aug. 22.

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Xavier Creary, Huisking professor of chemistry and biochemistry, presented a lecture titled "Electron Deficient Reactive Intermediates" at the National Science Foundation workshop on Reactive Intermediates at Tahoe City, Calif., Aug. 21.

Lawrence S. Cunningham, chairperson and professor of theology, delivered the keynote speech "Thomas Merton's *Message to Poets*" at the fourth meeting of the International Thomas Merton Society at Saint Bonaventure's University in Olean, N.Y., June 16. He presented the paper "The Theology Major" at the Marquette conference on Theology and Higher Education at Marquette University in Milwaukee, Wis., Aug. 6.

Michael Detlefsen, professor of philosophy, gave the invited talk "Powers of Reflection, Frames of Mind: Loeb's Theorem and the Mechanization of Human Reasoning" at the 30th anniversary meeting of the Australasian Association for Logic which met jointly with the Australasian Association for Philosophy at the University of New England in Armidale, New South Wales, July 1-6.

John G. Duman, chairperson and professor of biological sciences, gave the paper "Sequences of Antifreeze Proteins from Larvae of the Beetle *Dendroides canadensis*" and "Immunofluorescence Localization of Thermal Hysteresis Proteins in the Bittersweet Nightshade, *Solanum dulcamara*" at the meeting of the Society for Cryobiology at the University of Wisconsin in Madison, Wis., July 6-12.

Keith J. Egan, adjunct professor of theology, gave the lectures "Spiritual Direction: A Tradition of Many Colors," "The Roots of Carmelite Spiritual Direction I" and "The Roots of Carmelite Spiritual Direction II" in the seminar on Carmelite Spirituality at Saint Mary's College, Notre Dame, Ind., June 18-23. He presented five lectures on "The Eucharist" to Retreats International at the University of Notre Dame, Notre Dame, Ind., July 23-28. He lectured on "The Divorce between Theology and Spirituality" at the conference on Theological Education at the Catholic University at Marquette University in Milwaukee, Wis., Aug. 5-8.

Rev. Patrick D. Gaffney, C.S.C., associate professor of anthropology, presented the paper "Getting the Message Across the Border: Expressions and Perceptions of Electronic Media in the Middle East" at the 20th annual symposium of the Center for Contemporary Arab Studies at Georgetown University in Washington, D.C., April 20-21.

Rev. David A. Garrick, C.S.C., assistant professor of communication and theatre, presented "Student/Faculty Production Contracts" on the panel "Reducing the Theatre of Human Sacrifice on Your Campus" at the Association for Theatre in Higher Education convention in San Francisco, Calif., Aug. 10.

Denis Goulet, O'Neill professor of economics, delivered three public lectures "Por Uma Etica do Meio-Ambiente," "Etica e Desenvolvimento Auto-Sustentável" and "Indicadores e Medidas do Desenvolvimento Humano Autêntico" at the Instituto de Tropicologia, Fundação Joaquim Nabuco, in Recife, Brazil, July 18-20. He presented "Etica do Desenvolvimento: Uma Nova Disciplina" to the Nucleo de Estudos da Violência at the Universidade de São Paulo in São Paulo, Brazil, Aug. 1. Goulet conducted a workshop for 100 community development leaders on "Desarrollo Local y Gestión Municipal" at Alternativa (Centro de Investigación Social y Educación Popular), in Lima, Peru, Aug. 3-4, 7-8. He presented a public lecture on "Nuevos Indicadores del Desarrollo" to the Centro Bartolomé de las Casas in Limas, Peru, Aug. 7.

Yih-Fang Huang, professor of electrical engineering, and Anthony N. Michel, McCloskey dean and Freimann professor of engineering, presented the paper "Qualitative Limitations Incurred in the Implementation Process of Artificial Feedback Neural Networks: Parameter Perturbations, Delays and Interconnection Constraints" at the 38th Midwest symposium on Circuits and Systems in Rio de Janeiro, Brazil, Aug. 13-16. Huang gave the paper "Set-Membership Identification for Adaptive Equalization" at that conference.

Catherine Mowry LaCugna, professor of theology, served as guest preacher on Trinity Sunday at the Episcopal Cathedral of St. James in South Bend, Ind., June 11.

Craig Lent, associate professor of electrical engineering, presented an invited talk titled "Architectures for Computing with Quantum Dot Molecules: Quantum Cellular Automata" at the eighth international Microprocessing conference in Sendai, Japan, July 18. He presented a talk titled "Quantum Cellular Automata Devices" at the RIKEN Symposium — Physics and Technology of Nanostructures at the Institute for Physical and Chemical Research in Wako, Japan, July 24.

Ruey-wen Liu, Freimann professor of electrical engineering, was appointed and chaired the Long Range Planning Committee of the IEEE Circuits and Systems Society in Chicago, Ill., Aug. 5. The committee consists of present and past department chairpersons of universities, directors of research laboratories of leading industry and division directors of national funding agencies worldwide.

A. Edward Manier, professor of philosophy and history and philosophy of science, organized the session "Kitcher's *The Advancement of Science* — Where and When's the Scoreboard?" and contributed "Cynicism is a Red Herring in Kitcher's Division of Cognitive Labor" to that session and gave the paper "An Invisible College in the Neuropsychology of Fear and Anxiety" at a panel on

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current work in neuroscience at the meetings of the International Society for the History, Philosophy and Social Studies of Biology in Leuven, Belgium, July 22. He gave the paper "Animal and Mechanical Models of Human Mental Disorder" at the international workshop "Humans, Animals and Machines" at the Centre for Science Studies at Bath University, U.K., July 29.

Lawrence C. Marsh, associate professor of economics, presented three papers "Using Karnaugh Maps and Composite Dummy Variables in Logistic Regression" with Karin L. Wells, recent Ph.D. student; "A Monte Carlo Simulation of Alternative Principal Elements Regression Estimators" with Kevin D. Brunson, recent Ph.D. student and consultant/analyst for the Computing Center; and "Bayesian Optimal Promotional Activity for Firms Facing Discrete Product Demand" with Arnold Zellner, professor at the University of Chicago, to the American Statistical Association in Orlando, Fla., Aug. 15-16.

Mark J. McCready, associate professor of chemical engineering, presented the paper titled "Evolution of Long Wave Disturbances in Gas-liquid Flows and Relation to Flow Regime Transitions" at the Fine Particle Society symposium on multiphase flow in Chicago, Ill., Aug. 24.

Christian Moevs, assistant professor of Romance languages and literatures, presented the paper "Is Dante Telling the Truth?" at the annual meeting of the American Association of Italian Studies in Tempe, Ariz., April 20-23.

Rev. Thomas O'Meara, O.P., Warren professor of theology, presented the lecture "Toward a Community of Ministers" at the Pastoral Liturgy Conference at the University of Notre Dame in Notre Dame, Ind., June 20.

Daniel J. Pasto, professor emeritus of chemistry, presented an invited symposium talk titled "Generation of Alkoxy and Alkyl Radicals by the Photo-Induced Homolytic Dissociation of Alkyl 4-Nitrobenzenesulfonates" before the Division of Organic Chemistry at the National American Chemical Society meeting in Chicago, Ill., Aug. 21.

Mark C. Pilkinton, chairperson and professor of communication and theatre, chaired the panel and presented the paper "Reducing 'Theatre of Human Sacrifice' on Your Campus" as part of the Religion and Theatre Forum at the Association of Theatre in Higher Education in San Francisco, Calif., Aug. 9-13.

Anand Pillay, professor of mathematics, gave a short course on "Model Theory of Groups and Fields" at the Summer School in Logic at the Universidad Nacional in Bogota, Colombia, July 17-21. He gave an invited talk on "Geometry of Forking and Groups of Finite Morley Rank" at the Latin American symposium on Mathematical Logic

at the University de Los Andes in Bogota, Columbia, July 25. He gave two plenary addresses "S. Shelah's Work in Model Theory" and "Superstable Differential Fields" at the annual European meeting of the Association of Symbolic Logic in Haifa, Israel, Aug. 13, 17. Pillay gave an invited address titled "Forking" at the Model Theory meeting in Florence and Sienna, Italy, Aug. 25.

Joseph M. Powers, associate professor of aerospace and mechanical engineering, presented the papers titled "Numerical Predictions of Oblique Detonation Stability Boundaries" and "A Numerical Investigation of Transient Detonation in Granulated Material" at the 15th international colloquium on the Dynamics of Explosions and Reactive Systems in Boulder, Colo., July 30-Aug. 4.

Robert M. Slabey, associate professor of English, delivered the paper "Icons in American War Literature" at the XIV conference of the Nordic Association on American Studies in Oslo, Norway, Aug. 12.

Andrew J. Sommese, Duncan professor of mathematics, gave the talk "A Numerical Method for Studying Irreducible Components of Algebraic Sets" at the AMS-SIAM summer seminar on Numerical Analysis in Park City, Utah, Aug. 1.

Billie F. Spencer Jr., professor of civil engineering and geological sciences, gave the keynote lecture "Experimental Verification of Acceleration Feedback Control Strategies for Seismic Protection" at the Japan Society of Civil Engineers third colloquium on Vibration Control of Structures in Tokyo, Japan, Aug. 7-8; to the Department of Civil Engineering at Kyoto University in Kyoto, Japan, Aug. 14; and to the Department of Mechanical Engineering at Nihon University in Tokyo, Japan, Aug. 16. He gave an invited seminar titled "Topics in Structural Control" in the Department of Civil Engineering at the University of Tokyo in Tokyo, Japan, Aug. 18.

Robert P. Vecchio, Schurz professor of management, was an invited speaker at the "Editors Roundtable" at the HRM doctoral consortium at the national meeting of the Academy of Management in Vancouver, B.C., Aug. 6.

Kathleen Maas Weigert, faculty liaison/academic coordinator at the Center for Social Concerns, concurrent associate professor of American studies and fellow in the Kroc Institute, organized and chaired the panel "Partnering with Communities: Service to Society" at the Association of Catholic Colleges and Universities conference on Catholic Higher Education: Practice and Promise at the University of St. Thomas in St. Paul, Minn., Aug. 3-6.

Hong-ming Yin, assistant professor of mathematics, presented a talk titled "A Free Boundary Problem Describing a Chemical Diffusion Process with Localized Reaction" at the Banff Center in Alberta, Canada, Aug. 10.

ADMINISTRATORS' NOTES

Appointments

James P. Paladino has been named associate director of the Center for Social Concerns. He served previously as vice president and general administrative officer of the Eleanor Roosevelt Institute for Cancer Research, an affiliate of the University of Colorado, which supports biomedical research. Paladino is a certified public accountant with backgrounds in administration, personnel and fiscal management. He will oversee the center's administration and finances and will work on development issues. He also will serve as the liaison between the center and the Office of Campus Ministry.

Honors

Ronald A. Athey, assistant director of food services, was selected chairperson of the National Collegiate Concessionaire's Association executive board. The association is comprised of colleges and universities who operate or sublet food and/or merchandising concession operations.

Publication Schedule for *Notre Dame Report* Volume 25 — 1995-96

| Number | Copy Deadline | Publication Date |
|------------|--------------------|--------------------|
| 1 | August 16, 1995 | September 1, 1995 |
| 2 | August 30, 1995 | September 15, 1995 |
| 3 | September 13, 1995 | September 29, 1995 |
| 4 | October 4, 1995 | October 20, 1995 |
| 5 | October 18, 1995 | November 3, 1995 |
| 6 | November 1, 1995 | November 17, 1995 |
| 7 | November 15, 1995 | December 1, 1995 |
| 8 | November 29, 1995 | December 15, 1995 |
| 9 | January 3, 1996 | January 19, 1996 |
| 10 | January 17, 1996 | February 2, 1996 |
| 11 | February 7, 1996 | February 23, 1996 |
| 12 | February 21, 1996 | March 8, 1996 |
| 13 | March 6, 1996 | March 22, 1996 |
| 14 | March 20, 1996 | April 4, 1996 |
| 15 | April 3, 1996 | April 19, 1996 |
| 16 | April 17, 1996 | May 3, 1996 |
| 17 | May 1, 1996 | May 17, 1996 |
| 18 | May 22, 1996 | June 14, 1996 |
| 19 | June 19, 1996 | July 5, 1996 |
| 20 | July 10, 1996 | July 26, 1996 |
| Index | | August 16, 1996 |
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Notre Dame Report Submission Information

Faculty members (all classes: teaching research faculty, special professional faculty, and librarians and special research faculty) may submit information to be printed in *Notre Dame Report* to the Graduate School Office of Research, 312 Main Building. Standardized cards for submission of Faculty Notes and Current Publications and Other Scholarly Works are available at the Office of Research in the Graduate School (631-7432).

Faculty Notes:

Appointments include only those University appointments such as deans, department heads, heads of committees, public relations and development professionals and advisory council members. This does not include appointments to faculty positions.

Honors is comprised of non-University appointments in one's field and outright honors. It does not include fellowships, grants, etc. Any grants not published in the Awards Received section of the *Report* will be noted in Activities.

Activities must be of a professional and public nature (such as invited lectures and papers read) and should be related to one's work at the University. Lectures given on campus are only acceptable if they are of a special nature and/or if they are presented to a broader audience than the Notre Dame community. Merely attending a meeting is unacceptable. Information required for each activity submitted includes: name, rank, title of presentation, title of meeting, place and date. No activities are printed ahead of the date, only after the fact. Activities will not be printed over six months out of date.

Current Publications and Other Scholarly Works:

Submission of current publications are due on the Friday prior to the copy deadlines stated on this page.

Administrators' Notes:

Items are accepted from Administrative Staff and follow the same guidelines as Faculty Notes. Standardized cards are available by contacting *Notre Dame Report* (631-5337). Submissions should be sent to 415 Main Building.

Minutes of Meetings:

The only meeting minutes printed in the Documentation section are from the Graduate Council, Academic Council, Faculty Senate, University Committee on Libraries, Committee on Research and Sponsored Programs, Faculty Board in Control of Athletics, and Faculty/Student Committee on Women. These minutes should be sent to 415 Main Building.

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Official University of Notre Dame Academic Year Calendar, 1996-97

Fall 1996 Semester

August 23 Friday
Orientation, enrollment and registration for new
upperclass and graduate students

August 26 Monday
Enrollment for all continuing students and freshmen

August 27 Tuesday
Classes begin at 8 a.m.

September 4 Wednesday
Last date for all class changes

October 18 Friday
Midsemester Deficiency Reports due in Registrar's Office
by 3 p.m.

October 19-27 Saturday-Sunday
Midsemester break

October 28 Monday
Classes resume at 8 a.m.

November 1 Friday
Last day for course discontinuance

November 28-December 1 Thursday-Sunday
Thanksgiving holiday

December 2 Monday
Classes resume at 8 a.m.

December 11 Wednesday
Last class day

December 12-15 Thursday-Sunday
Study Days (no examinations)

December 16-20 Monday-Friday
Final examinations

December 23 Monday
All grades due in the Registrar's Office by 3 p.m.

Spring 1997 Semester

January 13 Monday
Orientation, enrollment and registration

January 14 Tuesday
Classes begin at 8 a.m.

January 22 Wednesday
Last date for all class changes

March 7 Friday
Midsemester Deficiency Reports due in Registrar's Office
by 3 p.m.

March 8-16 Saturday-Sunday
Midsemester break

March 17 Monday
Classes resume at 8 a.m.

March 21 Friday
Last day for course discontinuance

March 28-31 Friday-Monday
Easter holiday

April 1 Tuesday
Classes resume at 8 a.m.

April 30 Wednesday
Last class day

May 1-4 Thursday-Sunday
Study days (no examinations)

May 5-9 Monday-Friday
Final examinations

May 13 Tuesday
All grades are due in the Registrar's Office by 3 p.m.

May 16-18 Friday-Sunday
Commencement weekend

1997 Summer Session

June 16 Monday
Enrollment

August 1 Friday
Commencement

Summer Session Commencement Homily

Rev. John H. Pearson, C.S.C.
August 4, 1995

Monday I went to dinner at some friends' house. Like a good guest, I asked what I could bring. Dessert, they said. So, I brought a cake. Maybe it was the bakery box tied with white string that gave it away, but they could tell right away that I had not baked it myself. Even so it was a very good cake. When it came time for dessert, Isabel, the 4 year old (she insists that she's almost 5), immediately said: Can we have candles? Can we sing? So we had candles and sang happy birthday. The problem was it was nobody's birthday. To whom did we sing? Isabel had us sing to Caroline, the 17-month-old baby who just stared at us with a silly grin and clapped her hands.

To Isabel, cake meant ritual, not just something sweet. It wouldn't taste right without candles and singing. Part of the fun of having cake was making a fuss over somebody and making somebody feel special. Today's first reading from Leviticus could use a little interpretation from Isabel. The text sounds like something read off a calendar, with footnotes. It lists a number of days and says that the people of Israel are to observe these days with more or less ceremony, depending on the solemnity attached to them.

The scholars say that the text is evidence of the completion of a process where old pre-existing celebrations of the harvest and of success with the flocks were reinterpreted to bring back to memory important events in the life of Israel as a people, to mark various stages in the rescue of Israel from Egypt and their establishment in the promised land. These days, and the never-ending celebration of their rituals served to remind the people who they were and to encourage them to live up to the promises they were given.

Isabel's candles and cake, and the celebrations of the people of Israel say something to us here. We are gathered here to celebrate; family and friends have come; we have candles and singing; we do not have cake but gather around listening to God's word and sharing the meal of the Eucharist. As Isabel celebrated for reasons she is too young to fully understand and as the Israelites celebrated passing through the desert and the progress of their relationship with their God, we do this to celebrate your passing through another way station to your particular promised land. We do this to thank God that you've gotten this far and to beg God to shower blessings that you may successfully continue your particular path on the journey.

The Israelites spent 40 years of their journey in the desert; you've spent your time in Indiana, where the sun always shines, the temperature is always moderate and the humidity is low. The Scriptures' account of Israel's time in the desert tells us that they didn't just learn desert survival skills but by fits and starts and with many failures and betrayals along the way, they came to a deeper understanding of their relationship with God and a stronger passion to enjoy their special relationship with God. You, during your time here, have studied many things, but we hope that you have done more than learn academic survival skills. We hope that you have learned more than math, science, English or law, or even theology. We hope that in the process of passing through here you have come to some deeper understanding of who you are and of your special relationship with God. We hope that you have come to realize that the knowledge, skills and even wisdom with which you leave here can be used for many purposes, for the good or the ill of the people around you, but that you are called to use them for good. We hope that in your time here you yourselves have progressed on the way to becoming people of greater honesty, integrity and compassion.

The Gospel suggests that the journey does not become any easier. Roadblocks and challenges and difficulties will come along the way. Jesus could work no miracles in his own town because his neighbors had grown up with him and his family and knew him too well to accept such challenging words and deeds from him. Others Jesus encountered would have different reasons to reject him until he reached the cross. The Israelites would journey 40 years until they reached their destination and then found that the challenges and difficulties still did not go away.

You will pass through and be part of a society that has many good qualities but also lives under the influence of greed, cynicism, violence and injustice. Your difficulties and challenges in living in that society will be unique to you, but with each passing day you will realize more and more that the journey is one that is never completed and that surprises will never cease to wait around the corner. We pray for you that on the way you never grow too weary to continue, that you always find friends and loved ones to journey with you. We pray that you will find in the ritual we celebrate today and in the always repeating ritual of the Eucharist the constant reminder of who you are and who you are meant to be and, most especially, that you will discover the never failing presence of the God whose love gave us his son to travel the road with us.

Summer Session Commencement Address

Patrick E. Murphy
August 4, 1995

Provost O'Meara, deans, faculty colleagues, family, guests and graduates especially my former students — Nat, Cathy, Rosemarie, Susan, Justin, Linda and Barb — good morning. It is a real honor for me to speak to you on this happy occasion.

I would like to begin by remembering a student who would have been an M.S.A. graduate with you today — Kevin O'Hara, who died suddenly this past Easter. Kevin was a past principal of our local parochial school and a friend who is deeply missed by those of us who knew him. I would like to ask you to remember an influential person in your life who is not here today but would be very happy to share in your accomplishments.

This day is obviously special and long-awaited for each of you. Let me be among the first to congratulate you. Whether this is your first, second, third or even fourth college degree, the feeling of satisfaction is always there. As I and many others have discovered, possessing a Notre Dame degree links you to this institution for the rest of your lives. Being a Notre Dame alumnus will bring you respect and admiration from many people, though certainly not everyone! And your life long connection to the Notre Dame family will surely be apparent when you receive your first call or letter from our development office seeking contributions! Beyond this, though, do — return for class reunions . . . visit old (or should I say former) professors . . . walk the beautiful campus . . . stop at the Grotto and Sacred Heart for quiet moments of reflection and thanks.

My strongest teaching and research interest deals with ethics in business and the professions. Therefore, I have chosen an ethics theme, moral responsibility or the need for moral reflection (like you do at a railroad crossing — stop, look and listen). As a degree recipient, you already have the knowledge and prerequisites to succeed in your chosen field. However, do you have the moral will or the moral courage to follow your convictions? It has been stated that knowledge without courage is empty because it means that we lack the will and commitment to defend what we know is right. My theme then is moral courage — what one author called the *sine qua non* (an indispensable quality) of greatness. Most of you will not need to exhibit physical courage in your life but I believe you will find, as most people do, that moral courage is necessary at many points in the future.

In my research, I have come across seven particular qualities that underpin moral courage. I would like to share them with you today. To help make them easier to remember I use the acronym "courage," with the first letter signifying each concept. Hopefully, you will enjoy the chance to think about how they apply to you and your future as I briefly describe them.

The c stands for **character**, a group of stable traits connected to a person's actions. The traits often mentioned include integrity (your most important possession), trustworthiness and justice. Individuals of strong character strive for "balance" in their lives. Although I am not a golfer, the best description I can give is that you should "aim for the fairway." Pushing your shot (or your life) too much to either the right or the left and you are in the rough. Those of you with formal philosophy training recognize this notion as the Aristotelean "ethic of the mean." You have heard it before, but it is important to learn to balance our professional, personal and religious lives. Having moral courage means being constantly aware of this delicate balance and making adjustments when necessary.

Finally, some writers equate character with virtues. Virtues are good habits and we need to cultivate these habits. Your parents and family were obviously the first nurturers of your good habits. Your teachers and professors, we hope, have helped you cultivate them over the years. In the future, look for mentors and other influential persons to further assist you in your character development.

The o in courage stands for **openness**. My family and I recently spent a year on sabbatical in Europe. The word used there for openness is transparency. Are you an open or transparent person? Are you candid with others regarding your views? It is sometimes easier to say nothing and look the other way when problems arise. The antithesis of openness is called moral muteness. Are you silent or mute when difficult situations arise? There are risks from being too open with colleagues and those above you in the organization. This is a topic we study in business ethics and the conclusion I draw is that if you are open and forthright with others in your professional life, they will respect you more. Moral courage, then, requires an openness and honesty to meet these personal challenges.

The u is for **understanding**. From the standpoint of ethics or morality, understanding means taking the time to reflect on troublesome issues. If a conflict exists between others, you need to make a genuine effort to hear both sides or if you are personally involved, you should try to understand the other side of the conflict. It is often said that people have fewer differences if they understand one another. For example, those of you who have traveled or

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lived in countries other than your own (like many of our graduates) know that it takes time to understand the customs and languages of others. In this figuratively shrinking world of the late 20th century, greater attempts at understanding are important for peace and prosperity.

Understanding also entails respect for other cultures, viewpoints, beliefs and value systems. The word diversity is used often in the 1990s to denote the differences within our U.S. culture. In fact, the Notre Dame of this era is much different from the Notre Dame of the late '60s that I knew as a student. Your experience here required that you had to develop respect for gender, ethnicity, age and religious belief. The diversity of our society and the world requires much more in the way of moral courage to gain a greater understanding of the rights of others and our responsibilities to them.

The **r** in courage stands for **role model**. As a college graduate, holder of a masters or doctoral degree, you are or will be a role model for somebody — your child, student, niece/nephew, co-worker in the lab or fellow nurse. Some of you may be role models for many others because you will be a successful administrator, attorney, professor or engineer. As the late actress Helen Hayes said: "When they call you a star, you are obligated to conduct yourself above reproach. People give you their hearts and their trust, and you have no right to let them down." Too bad more Hollywood and sports stars don't look at their roles in this way today. Accepting the inevitability of being a role model will require moral courage to meet the high expectations that others have for you.

The **a** in courage is for **aspiration**. All of you already know about this. You may have aspired, as I did, to attend Notre Dame as your college or graduate school of choice. You aspired to do well here and to receive your Notre Dame degree. I am here today to encourage you, and even go so far as to say, that it will take courage to continue to aspire to do well. Many of you are likely familiar with Maslow's hierarchy discussed in psychology and its highest level — self-actualization — or being all that you can be. As a marketing professor, I will refrain from asking you what well known organization has popularized that phrase in recent years! You leave here with high aspirations today, as you should.

As you have no doubt read or maybe experienced firsthand, however, in this era of downsized organizations and increasing global competition, you can expect that your aspirations and livelihood will suffer a setback sometime. At points like these you will need to draw on moral courage. While discouraging, this may also be your opportunity to start a new career or return to school for more education. Don't lose sight of your aspirations. The opportunities still are plentiful. In fact, try not to

settle for less than you than your lofty aspirations of today. Meeting your goals may take you several positions and many years to attain but don't lose heart. This point was well made by our commencement speaker from the spring, Provost Condoleezza Rice from Stanford who said: "If you haven't found your passion, I want to encourage you to keep looking. There is nothing like the day when you feel, quite literally, that there is something in this world that you were born to do."

Furthermore, one strength of your Notre Dame education is that hopefully you have seen the need to aspire to do better ethically and develop our moral character throughout life. Research indicates that our moral development continues at least into our middle 20s for the average person. If you are beyond this age, I would encourage you to pay special attention to your moral aspiration. Just as we aspire to do better and succeed in our professional lives, so should we in our moral lives. This is true not just for individuals but organizations as well. I have studied many corporate ethics statements over the years and Levi Strauss has an exemplary one. Do you know what they call their code? It is titled Levi's Aspiration Statement.

The **g** stands for **grace**, an interesting and powerful word. It can, of course, have either a secular or religious interpretation — a person of style and grace, a grace period, grace before meals. Its many meanings convey genuine substance. Grace serves as a root for such terms as "graceful" and "gracious" that signal positive personal qualities. We admire graceful athletes or ballerinas. We appreciate a gracious hostess. In difficult situations, we often hear that the person handled it with grace, was graceful under pressure or gracious in defeat. In a crisis like an untimely death of a parent or child (as we witnessed three years ago in the tragic bus accident with the swim team, involving the deaths of Meg Beeler and Colleen Hipp) we require the grace of God to assist us doing the courageous thing. Grace under adverse conditions is the embodiment of moral courage.

For the final letter of courage, I would stress the tie between **education and ethics**. Unlike many universities, what we strive for at Notre Dame is that an educated person also be an ethical person. I like to think that we emphasize both intellectual excellence and moral excellence here. What makes Notre Dame such a special university is the "ethos of the place" where faculty, administrators and staff whether they be lay people or religious understand the meaning of educating the entire person. Knowledge is very important, but it is not everything. This recognition was made by Michael Blumenthal, former Cabinet Secretary, former chairman of Unisys Corporation and honorary degree holder from Notre Dame, in ruminating on his earlier years, commented: "I was too often impressed by the intelligence and substantive

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knowledge of an individual and did not always pay enough attention to the question of how honest, courageous and good a person the individual was." He made this observation about the hiring process, but the thought could be expanded to our judgment about people in general.

To summarize: character, openness, understanding, role model, aspiration, grace, education and ethics will hopefully guide you in developing your own moral courage and the word will mean more to you in the future. Finally, the source of this moral courage may come from your family, your religion, your personal beliefs or perhaps a combination of all of them. You have accomplished much in your time at Notre Dame, but you will have to be courageous in the future. Best of luck to each of you. Since at this time last year I was living in Cork, Ireland, it seemed appropriate that I conclude with an Irish blessing that expresses my hopes for you.

May the Road Always Rise to Meet You,
May the Wind Always Be at Your Back,
May the Sun Shine Warm Upon Your Face,
May the Rains Fall Soft Upon Your Fields,
And Until We Meet Again
May God Hold You in the Palm of His Hand.

THE GRADUATE SCHOOL OFFICE OF RESEARCH

Current Publications and Other Scholarly Works

Current publications should be mailed to the Office of Research of the Graduate School, Room 312, Main Building.

COLLEGE OF ARTS AND LETTERS

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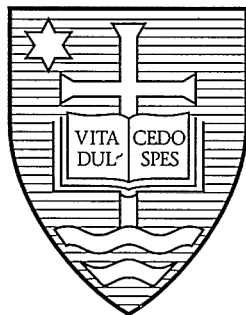
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