

NOTRE DAME REPORT

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JUNE 14, 1996 • NUMBER 18

Mooney Elected Vice President and Associate Provost

Carol Mooney, professor of law, was elected vice president and associate provost of the University by the Board of Trustees. Her appointment is effective July 1, 1996, when Nathan O. Hatch becomes provost. Her responsibilities in the provost's office will include tenure and promotion matters; strategies for faculty recruitment, in particular, recruitment of Catholics, women, and people of color; and issues related to professional education.

A member of the Law School faculty since 1980, Mooney teaches courses on trusts and estates, estate planning and the federal court system. She received the Teacher of the Year award in 1983. She serves on the Provost's Advisory Committee and the Laetare Medal and Notre Dame Award selection committees and has been a member of the Academic Council, the Committee on the Protection of Human Subjects, the editorial board of the University of Notre Dame Press, the Faculty/Student Committee on Women of Notre Dame, and the graduate admissions committee of the Kroc Institute for International Peace Studies.

A native of Norwich, N.Y., Mooney was graduated from Saint Mary's College in 1972 and received her J.D. degree from the Notre Dame Law School in 1977, earning the Colonel William J. Hoynes award for the highest cumulative grade point average in her class. She was an associate attorney in the Washington, D.C., firm of Jones, Day, Reavis and Pogue from 1977 to 1978.

Mooney is the co-author of two books, along with numerous articles in law reviews and other scholarly periodicals. She was elected a member of the American Law Institute in 1988 and has been a reporter to the U.S. Judicial Conference Advisory Committee on Federal Rules of Appellate Procedure since 1985.

Mooney served as a faculty mentor at the 1995 Collegium Summer Institute on faith and intellectual life. A Catholic higher educational institute of which Notre Dame is a founding member, collegium annually brings together distinguished faculty from its member institutions to engage young faculty and advanced graduate students in exploring how their faith influences their academic work and what it means to be a Catholic intellectual in contemporary American culture.

Mooney is active in a number of community service organizations in the Michiana area and is past president of the Logan Center Protective Services Board, a corporate guardianship program for profoundly mentally retarded adults.

Merz Elected Vice President for Graduate Studies and Research

James L. Merz, Frank M. Freimann professor of electrical engineering, was elected vice president for graduate studies and research at the University by the Board of Trustees. Merz will succeed Nathan O. Hatch when Hatch becomes provost July 1.

Reporting to the provost, the vice president for graduate studies and research is responsible both for the development and state of all postbaccalaureate work in the University and for the development and administration of all research conducted by the University and the faculty.

Since his appointment to the Freimann professorship in 1994, Merz has directed a team of researchers investigating Quantum Cellular Automata, a revolutionary circuit technology that could power computers thousands of times faster and more capable than anything now available. The project is being funded by a \$3.45 million federal grant from the Advanced Research Projects Agency.

An internationally recognized scholar in the field of optoelectronic materials and devices, Merz formerly was professor of electrical engineering, professor of materials, and director of the Center for Quantized Electronic Structures (QUEST) at the University of California at Santa Barbara. In addition to directing QUEST, a National Science Foundation (NSF) science and technology center, he also chaired the national council of directors of the NSF science and technology centers. He has published more than 300 papers and holds five patents.

Also while at the University of California at Santa Barbara, Merz at various times chaired the department of electrical and computer engineering and served as associate dean for research of the college of engineering and associate vice chancellor of the university.

A leading investigator of scientific and research practices in Japan, Merz was Hitachi professor at the University of Tokyo in 1992, a visiting research professor at the Tokyo Institute of Technology in 1989, and a visiting research scientist at the Japanese Optoelectronics Joint Research Laboratory in 1985. He serves as U.S. director of the Quantum Transition Project, an international research program involving Notre Dame, the University of California at Santa Barbara, and the University of Tokyo. The project is jointly funded by the NSF and the Research Development Corporation of Japan. He also has been involved, through the National Research Council of the National Academies of Science and Engineering, in exploring a variety of relationships in science and technology between the United States and the Pacific Rim nations.

Merz was graduated from Notre Dame with a bachelor's degree in physics in 1959 and attended the University of Göttingen in Germany as a Fulbright Fellow in 1959-60. He attended Harvard University as both a Woodrow Wilson and Danforth fellow, earning his master's degree in 1961 and his doctorate in 1967. He joined the technical staff of Bell Laboratories in 1966 and conducted investigations there into the optical properties of compound semiconductors. After a semester as Gordon McKay visiting lecturer on applied physics at Harvard in 1972, he returned to Bell Laboratories, where he worked on optoelectronic devices and integrated optical circuits until joining the University of California at Santa Barbara faculty in 1978.

Merz is a fellow of the American Physical Society and the Institute of Electrical and Electronic Engineers (IEEE) and currently serves as secretary of the Electron Device Society of the IEEE. He is a member of the American Association for the Advancement of Science, the Materials Research Society, and the Society for Values in Higher Education. He also is the recipient of an honorary doctorate from Linköping University in Sweden.

Andrews Elected Fellow

Kathleen W. Andrews, vice chair of Universal Press Syndicate and chief executive officer of Andrews and McMeel of Kansas City, Mo., has been elected a Fellow of the University, the first woman to serve on the 12-member group that is the core governing body.

A 1959 graduate of Notre Dame College in Cleveland, Andrews earned a master's degree from the University of Notre Dame in 1962. She was elected to the Board of Trustees in 1993, having previously served on the advisory council for the Institute for Church Life. In 1981, in memory of her late husband, James Andrews, a 1961 Notre Dame graduate, she established the Andrews Memorial Scholarship Fund, which underwrites student summer service projects in conjunction with the University's alumni clubs.

Andrews will be one of six lay Fellows of the University, who serve along with six priests of the Congregation of Holy Cross. The Fellows exercise all power and authority granted by the charter, but delegate much of that authority to the Board of Trustees. The Fellows elect the trustees, adopt and amend the bylaws and are specifically charged with maintaining Notre Dame's Catholic character.

Hawley, Minnow, O'Meara Elected Life Trustees; Goodyear, Geddes, Gallo, Pasin, Franken and Hatch Elected Trustees

Philip Hawley, Newton Minnow and Timothy O'Meara were elevated to life trustees for the University's Board of Trustees. Six new members were named to the board: William Goodyear, F. Michael Geddes, Stephanie Gallo, Robert Pasin, Robert Franken and Nathan Hatch.

Hawley, elected to the board in 1981, is the recently retired chair and chief executive officer of Carter Hawley Hale Stores, Inc., of Los Angeles. Minnow, counsel to the Chicago law firm Sidley & Austin, served on the board from 1964 to 1977 and was re-elected in 1983. O'Meara joined the board in 1978 upon his appointment as provost of the University.

As Notre Dame's new provost, Hatch becomes an ex officio trustee. Currently vice president for graduate studies and research and faculty member since 1975, Hatch is one of the nation's most influential scholars of the history of religion in America. He earned his bachelor's degree in history from Wheaton College and master's and doctoral degrees from Washington University in St. Louis.

Goodyear, chair and chief executive officer of Bank of America Illinois, earned a bachelor's degree in business administration from Notre Dame in 1970 and a master's of business administration degree from the Tuck School of Business Administration at Dartmouth College two years later. Prior to the September 1994 merger between Continental Bank Corporation and BankAmerica Corporation, Goodyear was vice chair and a member of Continental's board of directors. He joined Continental in 1972 and held a variety of lending, corporate finance, distribution, and international positions for the next 22 years. He has served on the advisory council for the College of Business Administration.

Geddes is chair and president of Geddes and Company of Phoenix, a private investment and consulting firm which acts for its own account and assists clients in mergers, acquisitions and divestitures, financial and business consulting, and investments in business, real estate and venture capital opportunities. He also directs three other Phoenix-based companies: Coe & Van Loo Consultants, Inc.; GS&B Holdings, Inc.; and Eagle Western Properties Company. He earned a bachelor's degree in business administration from Notre Dame in 1961 and an M.B.A. from the Harvard University Graduate School of Business Administration in 1963. He has been a member of Notre Dame's President's Development Committee since 1992.

and, with his wife, Sheila, had served on the Advisory Council for the Institute for Church Life since 1983.

Gallo and Pasin were elected to trustee positions reserved for recent graduates of the University. Gallo, a 1994 alumna, is a key account manager for the Gallo Division of Romano Brothers, a beverage distributor in Chicago. Pasin, a 1991 graduate and former student body president, is executive vice president of Radio Flyer, Inc. of Chicago.

As president-elect of the Notre Dame Alumni Association, Franken is an ex officio trustee. President of Penny Publications, a commercial printing firm in Phoenix, he was graduated from Notre Dame in 1969 and, after spending three years in the Air Force, held a variety of editing and management positions at newspapers in Montana, Colorado and Arizona prior to assuming his current position.

McCaffrey Named Valedictorian

Theresa A. McCaffrey, a physics and philosophy double major from Denville, N.J., has been named valedictorian of the 1996 graduating class, chosen from the top-ranking graduating seniors.

McCaffrey, who will serve as a Jesuit volunteer teaching high school students in Nepal for two years before attending graduate school, is a Notre Dame scholar and Phi Beta Kappa member. She received the Dean's Award for outstanding graduating senior in the College of Science and a national scholarship from the Barry M. Goldwater scholarship program.

McCaffrey participated in the Cultural Diversity Seminar, the Appalachian Seminar and the Urban Plunge Seminar while a student at Notre Dame. She also was a member of the student council for the College of Science, the University Code of Honor committee, the physics honor code committee and the physics club. She served as a Howard Hall eucharistic minister, hall commissioner for the Big Sister/Little Brother program and a volunteer at the Center for the Homeless.

McCaffrey participated in independent theoretical research in quantum teleportation as a research assistant in a National Science Foundation program at Williams College in Williamstown, Mass. She also participated in experimental high energy physics as a research assistant under the direction of Mitch Wayne, associate professor of physics. In addition, she served as an undergraduate teaching assistant in the chemistry department for two academic years.

Faculty Receive Teaching Awards

The Law School and the colleges of arts and letters, science, engineering and business administration have selected outstanding teachers for the 1995-96 academic year.

• **Law School** — The late Edward J. Murphy has been honored posthumously with the Distinguished Teaching Award by this year's Law School graduates.

The Law School graduates also have recognized Tang Thi Thanh Trai Lê, professor of law, and Carol Mooney, associate dean and professor of law, with Faculty Recognition Awards, and Patricia O'Hara, vice president for student affairs and professor of law, with the Capt. William O. McLean Community Citizenship Award.

• **College of Science** — Paul M. Helquist, professor of chemistry and biochemistry, has been awarded the 1996 Shilts/Leonard Teaching Award for the College of Science. The award, instituted in 1983 to recognize outstanding teaching, memorializes Rev. James L. Shilts, longtime Notre Dame astronomy and astrophysics professor who died in 1982. The award was endowed by Eugene T. Leonard Jr., a surgeon and 1940 alumnus.

• **College of Arts and Letters** — Catherine Mowry LaCugna, professor of theology, has been named the 1996 recipient of the Sheedy Award for excellence in teaching in the College of Arts and Letters. The award, endowed by an anonymous donor, has been given annually since 1970 in memory of Rev. Charles C. Sheedy, C.S.C., former dean of the college.

• **College of Engineering** — Jay Brockman, assistant professor of computer science and engineering, has been named recipient of the Outstanding Teaching Award in the College of Engineering. The award is sponsored by the Amoco Foundation, and the winner is chosen by a committee of faculty, students and previous award recipients.

• **College of Business Administration** — John Affleck-Graves, associate professor of finance and business economics, is the winner of the Undergraduate Teaching Award in the College of Business Administration, also sponsored by the Amoco Foundation. The recipient of this award is chosen each year by the graduating senior class.

FACULTY NOTES

Honors

Peri E. Arnold, professor of government and international studies, was named by the American Society of Public Administration as the 1996 Marshall Dimock Award recipient. The award recognizes the best article to appear in *Public Administration Review* in the prior volume year. It was given for "Reform's Changing Purpose" in the October/November 1995 issue of *Public Administration Review*.

Steven C. Bass, Schubmehl-Prein chairman and professor of computer science and engineering, was appointed head of the Steering Committee of *Transactions on Very Large Large Scale Integration Systems*, a publication of the Institute of Electrical and Electronic Engineers, effective July 1.

Katharina J. Blackstead, librarian, has been appointed to the Education Committee of the Library Administration and Management Association for a two-year term.

Alan Gunn, professor of law, has been appointed the John N. Matthews Professor of Law. A graduate of Rensselaer Polytechnic Institute and Cornell Law School, Gunn specializes in tax law, contracts, insurance, law and economics, and torts. Among his publications are *Partnership Income Taxation*, *Cases on Federal Income Taxation* and *Studies in American Tort Law*. Gunn succeeds the late Edward Murphy in the Matthews chair. The John N. Matthews Chair in Law was established in 1967 by Notre Dame trustee Donald J. Matthews in memory of his father. It is Notre Dame's oldest endowed professorship.

Stephen M. Hayes, associate librarian, was elected secretary for the Depository Library Council to the Public Printer of the United States at the spring meeting in Washington, D.C.

Rev. Edward A. Malloy, C.S.C., president and professor of theology, has been elected chair of Campus Compact, a national coalition of more than 500 college and university presidents which encourages the expansion and support of programs involving students in voluntarism and social service.

Victor W. Nee, professor of aerospace and mechanical engineering, was appointed a University Honorary Professor of the University of Electronic Science and Technology of China at Chengdu, China, April 12. A special ceremony was conducted for this event by Dr. Liu, Shenggang, president of the university.

John E. Renaud, Clark assistant professor of aerospace and mechanical engineering, was elected chairman of the St. Joseph Valley Section of the ASME for the 1996-97 term. He was elected vice chair of the AIAA Multidisciplinary Design Optimization Technical Committee.

James Seckinger, professor of law, is the 1996 recipient of the American Law Institute-American Bar Association's Francis Rawle Award for outstanding contributions to the field of post-admission legal education.

Activities

Peri E. Arnold, professor of government and international studies, presented "Policy Leadership in the Pre-Modern Presidency: Theodore Roosevelt's Naval Policy and His Search for Strategic Resources" at the 1996 annual meeting of the Midwest Political Science Association in Chicago, Ill., April 18-20.

Joseph P. Bauer, professor of law, gave the invited presentation on the topic "Update on Copyright and Trademark Law" at the annual workshop for Federal Judges of the Seventh Circuit held in Kohler, Wis., May 1.

Jeffrey H. Bergstrand, associate professor of finance and business economics and fellow in the Kroc Institute, presented the paper "Government Expenditures and Equilibrium Real Exchange Rates" co-authored with Ronald Balvers at the Midwest International Economics Group conference at Purdue University in West Lafayette, Ind., April 27. He discussed the paper "Do Natural Borders Really Matter? A Reconsideration of Canada-United States Regional Trade" at that conference.

Ikaros Bigi, professor of physics, gave a general physics colloquium "The Breakdown of Microscopic Time Reversal Invariance and the Cathedral Builders' Paradigm" at the Illinois Institute of Technology in Chicago, Ill., May 1.

Alice W. Cheang, assistant professor of classical and Oriental languages and literatures, gave the invited presentation "Problems in Translating Chinese Materials" at Princeton University in Princeton, N.J., April 27.

Sr. Elaine DesRosiers, O.P., professional specialist and director of Educational Media, gave a presentation and led a panel discussion on the subject "What Is it Like to be a Leader in the CCUMC?" as the co-chair of the Leadership Development Committee at the spring conference of the Consortium of College and University Media Centers in San Diego, Calif., April 13.

FACULTY NOTES

Bernard E. Doering, professor emeritus of Romance languages and literatures, presented the invited lecture "Maritain: Prophète hors de France" at the Université Jean Moulin, Lyon 2, in conjunction with the photographic exposition "Jacques et Raïssa Maritain: Les Grandes Amitiés" at the Cité Expositions, Annex of the Hotel de Ville in Lyon, France, March 19.

William G. Dwyer, Hank professor of mathematics, gave an invited lecture titled "The Topological K-theory of BGL(Z)" in the Ontario Topology Seminar held at the Fields Institute for Research in Mathematical Sciences in Toronto, Ontario, May 14.

Richard M. Economakis, assistant professor of architecture, exhibited his architectural drawings and renderings for the projects titled "Center for Classical Studies, Nisyros, Greece" and "Bridge Between Greece and Turkey" designed in collaboration with Baki Sükan at the Rinascimento Urbano Conference at San Giorgio in Poggiale in Bologna, Italy, March 23–April 30. He delivered a lecture titled "Think Globally, Act Locally" at the Eponymous Conference held at the Aula Absidale S. Lucia, Bologna, Italy, March 30.

Elizabeth D. Eldon, assistant professor of biological sciences, presented the poster titled "Insect Immunity: 18-Wheeler Plays an Essential Role in the Antibacterial Response" co-authored with Michael Williams, graduate student, and presented a short talk in the immunity workshop titled "18-Wheeler and Humoral Immunity" co-authored with Williams at the annual Drosophila Research Conference in San Diego, Calif., April 27–May 5.

John H. Garvey, professor of law, presented the paper "The Boss" at the Randall-Park Faculty Colloquium at the University of Kentucky College of Law in Louisville, Ky., April 18.

Davide A. Hill, associate professor of chemical engineering, gave the invited lecture "Multicomponent Diffusion in Entangled Melts of Homopolymers" to the Department of Chemical Engineering and Rheology Center at the University of Wisconsin in Madison, Wis., Feb. 23.

Paul W. Huber, associate chairperson and associate professor of chemistry and biochemistry, presented the talk "Phosphorylation of Xenopus TFIIIA by an Oocyte Casein Kinase" at the RNA Polymerase III Transcription Conference at Asilomar Conference Grounds in Pacific Grove, Calif., April 28–May 2.

David R. Hyde, associate professor of biological sciences, co-authored the talks "A Screen for Suppressors of *rdgB*-mediated Retinal Degeneration" with Don Paetkau and "Molecular Characterization of the *rdgE* Locus" with Troy

Zars at the annual Drosophila Conference in San Diego, Calif., April 27–May 1. He co-authored the posters "Dominant *ninaE* Mutations that Lead to Rapid Retinal Degeneration" with Troy Zars and "Mutation of a Putative PKC Phosphorylation Site in the *rdgB* Protein" with Scott Milligan at that conference.

Ahsan Kareem, professor of civil engineering and geological sciences, presented "Japanese Testing Facilities" at an invited workshop on Severe Windstorm Testing sponsored by Lockheed Martin held at the Idaho National Engineering Laboratory in Idaho Falls, Idaho, Nov. 29–30. He made a presentation on the use of High-Tech Tools to Detect Hidden Damage to Structures at the annual meeting of the Hazard Mitigation group of the Insurance Institute for Property Loss Reduction in Tampa, Fla., Dec. 12.

Kwan S. Kim, professor of economics and fellow in the Kellogg Institute, presented a paper titled "Global Inequity in a Comparative Perspective: Causes and Consequences" at an international conference honoring the 85th birthday of renowned international economist, Hans Singer, in Innsbruck, Austria, May 2. He delivered a lecture on the developmental experiences of the East Asian countries at a special symposium organized by Centro de Investigaciones de Economía Internacional in Havana, Cuba, May 16.

Rajiv Kohli, adjunct assistant professor of management, presented the paper "Perceived Effectiveness of Systems Analysis and Design Education: An Empirical Study" co-authored with Jatinder N.D. Gupta at the 27th annual meeting of the Midwest Decision Sciences Institute in South Bend, Ind., April 19–21.

Pamela A. Krauser, assistant professional specialist in the Graduate School, led the roundtable discussion titled "What Should I Put on My Home Page?" at the National Council of University Research Administrators/Society of Research Administrators spring meeting in Dearborn, Mich., May 18.

Charles F. Kulpa Jr., director of the Center for Bioengineering and Pollution Control, associate dean of science and professor of biological sciences, co-authored the posters "Application of PCR and Reverse-transcriptase-PCR for Monitoring *Nitrosomonas* and *Nitrobacter* spp. in Nitrifying Bioreactors" with S. Selvaratnam and B.L. McFarland, "Demonstration of Phenol Toxicity to Nitrifiers by PCR and Reverse Transcriptase PCR" with J. McGrath, Selvaratnam and McFarland, and "Biodegradation of Gasoline Oxygenate, Methyl-t-butyl Ether by Mixed and Pure Cultures" with K. Mo, M. Javanmardian and X. Ping presented at the annual American Society for Microbiology meeting in New Orleans, La., May 19–24.

FACULTY NOTES

David M. Lodge, associate professor of biological sciences, gave the seminars "Predicting Impact of Freshwater Exotic Species on Native Biodiversity: Challenges in Spatial and Temporal Scaling" and "Benthic-pelagic Links" at the Department of Zoology at Ohio State University in Columbus, Ohio, April 17-19.

John LoSecco, professor of physics, gave a talk titled "Search for Resonant Structure in the $(b_1\pi)^-$ Final State in 18 GeV/c $\pi^+\pi^-$ Interactions" at the joint meeting of the American Physical Society and the American Association of Physics Teachers in Indianapolis, Ind., May 2.

Michael J. Loux, O'Shaughnessy professor of philosophy, read a paper titled "Kinds and Predications" at the conference on Categories at the University of North Carolina in Greensboro, Calif., April 12.

Vicki J. Martin, associate professor of biological sciences, gave the plenary lecture "Stem Cell Differentiation and Cell Migration in Cnidaria" at the Southwest Regional Development Biology Meetings at the Texas Woman's University in Denton, Tex., May 2-5.

Grant J. Mathews, professor of physics, gave the invited talk "Hot X-Ray Gas and the Formation of Remnants in the Galactic Halo" at the second international workshop on Gravitational Microlensing in Orsay, France, Jan. 30. He gave an Astronomy Department Colloquium "Relativistic Binary Neutron Star Coalescence" at the University of Illinois in Urbana, Ill., April 9.

Robert P. McIntosh, professor emeritus of biological sciences, presented a lecture series with the titles "A History of the History of Ecology," "Philosophy for Ecologists, Ecology for Philosophers" and "Plant and/or Animal Communities: A Return to Columbus 45 Years Later" to the School of Natural Resources at Ohio State University in Columbus, Ohio, April 23-25.

Anthony N. Michel, McCloskey dean of engineering and Freimann professor of electrical engineering, presented an invited paper titled "Stability Analysis of Artificial Neural Networks with Multiple Delays" at the 1996 IEEE international symposium on Circuits and Systems in Atlanta, Ga., May 12-15.

Christian R. Moevs, assistant professor of Romance languages and literatures, gave the paper "Miraculous Syllogisms: Faith and Reason in *Paradiso 24*" at the annual meeting of the American Association of Teachers of Italian in Chianciano, Italy, Dec. 11-13. He gave the noon talk "The Relationship of Word and Image in Dante's *Inferno*" at the Snite Museum of Art, Notre Dame, Ind., Feb. 20. He gave the invited paper "Self-knowledge and Learning in Vico" at the conference Vico and the Map of

Modernity at Yale University in New Haven, Conn., April 12-13.

Thomas J. Mueller, chairman and Roth-Gibson professor of aerospace and mechanical engineering, presented a paper titled "Experimental Investigations of Inverse Problems for Thin Airfoils Exposed to Periodic Gusting" co-authored with Robert J. Minniti III at the second AIAA/CEAS Aeroacoustics Conference in State College, Pa., May 6-8. Mueller co-authored the paper titled "Tone Noise Radiation from a Propeller Operating in the Wake of a Circular Cylinder" with **Hafiz Atassi**, professor of aerospace and mechanical engineering and director of the Center for Applied Mathematics, and **Srini Subramanian** who presented the paper at that conference.

Walter Nugent, Tackes professor of history, spoke on "Stegner, John Wesley Powell, and the Shrinking West" at a symposium on "Wallace Stegner and the Continental Vision" sponsored by the Wisconsin Academy of Sciences, Arts and Letters held at the Wisconsin State Historical Society in Madison, Wis., May 4.

John A. Poirier, professor of physics, gave the keynote address "Observing the Universe with High Energy Cosmic Rays" to the annual joint meeting of the Northern Indiana Astronomical Group Astronomy Convention and the Great Lakes Region Astronomical League annual meeting held at Camp Crosley near North Webster, Ind., April 26-27.

Morris Pollard, Coleman director of the Lobund Laboratory and professor emeritus of biological sciences, reported on a new tumor: lung cancer and the promotion of its development by phenobarbital presented at the national meeting of the American Association for Cancer Research in Washington, D.C., April 21-25.

Dean A. Porter, director of the Snite Museum of Art and concurrent professor of art, art history and design, presented the lecture "Chicago Patrons of Taos Artists" at the Union League Club of Chicago, Ill., May 10.

Charles M. Rosenberg, associate professor of art, art history and design, gave a Hesburgh Lecture titled "Insiders/Outsiders: Art Patronage in Baroque Italy" at the Mississippi Museum of Art in Jackson, Miss., April 29.

Michael K. Sain, Freimann professor of electrical engineering, **Billie F. Spencer**, professor of civil engineering and geological sciences, and **J.D. Carlson** co-authored a paper presented by Shirley J. Dyke, graduate student in civil engineering and geological sciences, titled "Idealized Model of a Magnetorheological Damper" at the 12th conference on Analysis and Computation, ASCE, in Chicago, Ill., April 15-18.

FACULTY NOTES

Valerie Sayers, professor of English and director of the Creative Writing Program, was guest speaker at the Writers Center of Indianapolis, Ind., April 16. She spoke at the Christamore Aid Society's Book and Author Luncheon in Indianapolis, Ind., April 17. She delivered the paper "Miss Welty Takes on a Murderous Voice," gave a reading from her novel *Brain Fever* and served as panelist for the sessions "Contemporary Fiction Writers Roundtable" and "Women Writers Finding Their Place" at the Eudora Welty Festival in Jackson, Miss., May 1-4.

Peter E. Schiffer, assistant professor of physics, presented a talk titled "Anisotropic Magnetism in the Frustrated Kagome Magnet: $\text{SrCr}_9\text{Ga}_{12-9p}\text{O}_{19}$ " and chaired a session titled "Colossal Magnetoresistance Oxides" at the American Physical Society meeting in St. Louis, Mo., March 21.

Mark R. Schurr, assistant professor of anthropology, presented a paper titled "Why am I so Erratic? Geophysics Lessons from the Notre Dame Archaeology Field School" at the annual meeting of the Society for American Archaeology in New Orleans, La., April 13. He presented an invited lecture titled "Geophysics and Archaeology" to the Prophet's Town Foundation in Lafayette, Ind., April 24. The lecture included a field demonstration of geophysical survey techniques at the Prophet's Town Historic Site.

Billie F. Spencer Jr., professor of civil engineering and geological sciences, organized and chaired a session titled "Structural Control: Basic Concepts and Applications" and delivered a presentation titled "Civil Engineering Applications of Structural Control: Challenges and Future Directions" at the 1996 ASCE Structures Congress XIV in Chicago, Ill., April 15-18. He represented the ASCE Committee on Structural Control at the meeting of the Technical Administrative Committee on Analysis and Computation and chaired the meeting of the Committee on Structural Control held in conjunction with the ASCE Structures Congress XIV. Spencer organized and chaired a session titled "Semi-Active and Hybrid Control of Structures" held at the 12th conference on Analysis and Computation, ASCE, in Chicago, Ill., April 15-18.

Duncan Stroik, assistant professor of architecture, delivered a lecture titled "Tradition and the Sacred: the State of Church Architecture Today" at the St. Joseph Center at the Franciscan University of Steubenville in Steubenville, Ohio, March 12. He delivered a lecture titled "Liturgical Architecture" at Mt. St. Mary's Seminary in Emmitsburg, Md., March 15. Stroik's designs "Forum and Gateway in Covington" and "Church of Our Lady of Guadalupe" were exhibited at the exhibition "A Vision of Europe: Rinascimento Urbano" at the Centro San Giorgio in Poggiale, Bologna, Italy, March.

Rafael A. Tenorio, assistant professor of finance and business economics, presented the paper "Immigrant-Native Wage Differentials and Immigration Reform" with G. Bucci at the 1996 meetings of the Midwest Economic Association in Chicago, Ill., March 21-23.

Arvind Varma, Schmitt professor of chemical engineering, presented an invited graduate seminar titled "Combustion Synthesis of Advanced Materials" at the Department of Chemical Engineering at the City College of the City University of New York in New York, N.Y., April 22, and at the Department of Chemical Engineering at the University of Houston in Houston, Tex., April 26.

Raimo Väyrynen, professor of government and international studies and Regan director of the Kroc Institute, chaired a panel on "Preventing Post-Cold War Conflicts: What We Have Learned" and presented a paper to it on "Toward Effective Conflict Resolution: A Comparison of the Usability and Impact of Different Instruments" in the 37th annual convention of the International Studies Association in San Diego, Calif., April 16-20.

John P. Welle, associate professor of Romance languages and literatures, gave the invited lecture "Tangled Pathways: Pasolini and Calvino" at the international symposium "A Difficult Inheritance: Italian Culture after Pasolini and Calvino" held at Indiana University in Bloomington, Ind., April 8. He gave the invited paper "Pasolini as Interlocutor" at the international symposium "Pasolini Futures" held at Brown University in Providence, R.I., May 2-4.

Kathleen Maas Weigert, associate director of academic affairs and research at the Center for Social Concerns, concurrent associate professor of American studies and fellow in the Kroc Institute, co-led a roundtable on "Peace Studies and Service Learning: Pedagogy and Possibilities" at the annual meeting of the national Peace Studies Association at Earlham College in Richmond, Ind., April 19.

Rev. Oliver F. Williams, C.S.C., associate professor of management, appeared on national television in South Africa on a prime time show called "Future Imperfect" on business ethics, April 30. He served on a panel discussion which included Dr. Nathato Motlana, ANC leader and business executive; Louise Tager, CEO of South African Airways; Rabbi David Lapin, an ethicist and other television and business leaders as the only member of the panel who was not a citizen of South Africa.

John H. Yoder, professor of theology, gave the seminary course "New Testament Social Ethics" to the Evangelical Theological Faculty in Osijek, Croatia, May 27-June 7.

Charge to the Class Last Visit to the Basilica of the Sacred Heart and the Grotto

Rev. E. William Beauchamp, C.S.C.
May 16, 1996

These are very special days for all of you, days that you have been looking forward to for a long time. While the weather has not been what we would have liked (but, it seldom is in South Bend), it has been a week at Notre Dame with all of your friends and with the main emphasis being the enjoyment of each other's company and having a good time. But, it is also a time of mixed emotions for all of you. Certainly, it is a time of great happiness and excitement; a time of celebration and looking ahead; a time during which you can celebrate the fact that you have accomplished something — you have experienced something — that can never be taken away from you. But, it is also a time for saying farewell, a time to spend with friends reflecting upon the great times you have shared, and recognizing that moments with these, some of your closest friends, will be fewer now as you scatter to all parts of the country and the world. There are the usual plans being made to get together for that big game next fall, or at so-and-so's wedding, or in such-and-such a place. But, as you make these plans you realize that times together will never be quite the same as they have been while you were together at Notre Dame. You will never be able to fully recapture the experience and moments you have shared together, and it would be a mistake to try to do so because it is a time to move on to a different stage in your life. But, what you have shared and learned here will always be a part of that life.

Commencement exercises on Sunday will mark a very significant event for you, and the fact that you have earned a Notre Dame degree will only be part of the reason for celebration. What we really celebrate in many ways is the beginning of new and exciting challenges in your life. Graduation is a time that marks the beginning of a time when what you choose to do with all that you have been given, all of the opportunities you have shared, all of the talent that God has bestowed upon you, will rest more squarely on your shoulders than ever before. Decisions will no longer be made for you. The time is here when you will have to take full responsibility for the goals that you choose, as well as the route you take to achieve them.

But, you are very fortunate. You have been trained well, and this University and the experiences you shared here have prepared you to face the challenges that await you. However, it is now up to you whether or not you will

take full advantage of all of the privileges you enjoy; it is up to you whether or not you will take the lessons you learned in the classroom, at the Grotto, in the dorm chapels and in Sacred Heart, in volunteer service, and from friends and classmates in moments of laughter and tears. Your special years at Notre Dame must not be in vain. It is my hope this night that you will recognize all that you have been given, and that you will embrace enthusiastically the challenges that await you — that you will pursue your dreams unabashedly.

Over 450 years ago, a prayer attributed to Sir Francis Drake appeared in print. I share this with you tonight because I believe it is especially fitting and poignant. Sir Francis prayed:

Disturb us, Lord, when
We are too well pleased with ourselves.
When our dreams have come true
BECAUSE WE HAVE DREAMED TOO LITTLE.
When we have arrived safely
BECAUSE WE SAILED TOO CLOSE TO SHORE.
Disturb us, Lord, when
With the abundance of things we possess
We have lost our thirst
For the abundance of life;
Having fallen in love with life,
We have ceased to dream of eternity.
And in the efforts to build a new earth,
We have allowed our vision
Of the new heaven to dim.
Disturb us, Lord, to dare more boldly,
To venture on wider seas
Where storms will show your mastery;
Where losing sight of the land,
WE SHALL FIND THE STARS.
We ask you to push back
The horizons of our hopes;
And to push us in the future
In strength, courage, faith, hope and love.

If our world is to survive in the future as a decent place in which to live and grow, it will require people like yourselves to come up with the answers (or at least to ask the right questions), and to provide the leadership that will prevent the victory of evil over good. I am filled with hope as I face you tonight; I cannot help but be filled with a sense of joy and excitement about the future. You are the doctors, lawyers, teachers, engineers, social workers, scientists, businessmen, clergy, politicians, spouses and parents that will help determine the quality of life that awaits our world in the years to come. You have acquired the basic tools and the foundation upon which to build a meaningful life. What you build with these tools is up to you.

You must not be just like everybody else. Your life must be Christ-centered. You must bring to your lives, and the lives of those around you, the love of God that Christ came to share with all of us. You must be inspired to do something good with your life, not just something good for yourself. Ultimately, you will not be judged by your brains, your beauty, your wealth, or even your degree from Notre Dame. You will be judged by qualities such as charity, self-sacrifice, honor, honesty, a sense of fairness, hard work and integrity. You cannot merely take the same paths everybody else is taking in our troubled world today. You must think new thoughts, accept new challenges, and proclaim openly and unabashedly that you are willing to go beyond what is merely safe and popular to what is right, enlivening, and empowering of those without power whom our world has chosen to ignore.

It is time for you to leave Notre Dame — a time to accept new challenges, to experience new worlds. But, hopefully, as you leave, it is also a time to reflect upon what is special about this place, to recognize that you are different and better because you were here. I hope Notre Dame will always be a place you can turn to for guidance and perhaps even inspiration when tough decisions have to be made. Thus, as you leave, I pray that your roots to this special place are strong, that Notre Dame will always be a place from which you draw special nourishment, that you will be drawn here for moments of prayer and reflection, as well as moments of joy and celebration. It is appropriate that included in this Senior Week is a scheduled visit to the Grotto and Sacred Heart because these are special places on this campus. These are the places that hold Notre Dame together, the magnet that draws people to reflection and prayerful commitment to a Christ-centered life. It is not surprising that this Grotto is a place where hundreds of Notre Dame people have become engaged, where millions of candles have been lit, and where hundreds of people come every day for quiet time alone with God. Thus, this must not be your *last visit to the Grotto and Sacred Heart; it must be the first of many that will be a part of your every visit to the campus, for it is here you will find the soul of the University of Notre Dame.*

May the Risen Lord, and His Mother, Notre Dame, be always with you.

Baccalaureate Mass Homily

Rev. Edward A. Malloy, C.S.C.
May 18, 1996

I had been at Notre Dame for many years, as a faculty member, someone living in the dorm, later on as an administrator. And I had watched the dynamic between parents and their student children unfold, particularly among the undergraduate student body. And I knew how hard sometimes it was for parents to let go, to recognize that their responsibility had been well exercised and now they had done, in a sense, all that they could do, and they had to provide sufficient room and space for their own offspring.

Then a few years ago, my eldest niece came to Notre Dame. Fortunately she doesn't have the same last name so no one would know that she was a niece of the president. She arrived on campus, her parents left after Freshmen Orientation, and I sat her down one day in my room in a very liberal spirit. I said, "Susan, I just want to be here for you. I don't want to get in the way. I want you to live your life as you feel called to do. And if you want to stop by a lot, that's fine and if you want to just get some distance, that's ok, too." So she nodded and eventually she left the room.

About two weeks later I heard that somebody who lived with me in Sorin Hall I didn't really know yet, was taking her to a dance. So I called two of the RA's in and I said, "I want you to do a complete profile on this guy and if he lays a hand on her head, he's dead." So much for my liberal instincts.

Every once in a while, now, I call up my mother on the phone to give a report on how things are going, having traveled the world and done a lot of different things. Toward the end of our conversation, she'll say, "Did you remember to bring your umbrella when it rains? Are you sure that you've had your dental checkup lately?" And I don't begrudge that because that's a parent's prerogative.

There is a sense in which we don't really have to let go. There is a kind of bonding, a glue, a magnetism between parents and their children that never ends, God willing, that's fueled by love, that's a function of not just physical proximity but so much shared experience.

Jesus, in the Gospel today, in the time between the end of his public ministry and the experience of his death and resurrection prays to the God of all creation for those entrusted to his care. And he prays in a way that is liberating for them. It's their world, their life now. He has done what he could. He has spent his blood for them.

DOCUMENTATION

He has instructed them in the things of God and he has called them together into a community of faith.

Some of us here are doing something comparable to what Jesus did. We are praying as we send forth. You parents and surrogate parents and close relatives and members of the family, on an occasion like this there are so many memories, I'm sure, that pop into your head. The act of love-making that is reflected in the young person before you, the excitement of new birth, the nestling at the breast, the teething, the terrible twos, the passage that goes so quickly into the teens, the tolerance that comes with learning clothing fads and music of the moment, and not engaging in a perpetual judgment about how the contemporary culture is not like the one that we knew. The driver's license, freed from chauffeuring, that opened up to anxiety attacks about safety on the roads.

And then, with all the schooling, the hopes and dreams that your own flesh and blood would have an opportunity like coming to Notre Dame, whether as an undergraduate, professional or graduate student, makes no difference the age, with all that that stands for in your family, one of the great universities in the world, to have a chance to study here, to be affected by the ambience of the place, and hopefully amidst the development of mind, heart and spirit, maybe the spirit most of all. Freshman Orientation, Junior Parent Weekend for undergraduate parents are times of progressive transition.

And this weekend, maybe most of all, in the same way that Jesus had to let go, he had done the job entrusted to him. So, in a sense, we need to let go, all of you, members of the family, but also us, faculty and staff and administration. It is our life work here to do everything we can to maximize the opportunities available here.

If we have failed, we ask God's pardon but we have tried as you have tried. And we are so fortunate that those who come to us have been nurtured in love and care and support before they come to us.

And so those of us who are senders in the end, right now at least, can simply pray, pray for those being sent forth that they are at peace with God, that they use their talents effectively. And we promise that we will be with them no matter what happens to the end of our days. It's just that the nature of the relationship will shift across time and maybe some of us, at least, will find as we grow older that they assume a greater responsibility for us.

And you who are being sent forth, you graduates, this is a bittersweet time for you as it was for the disciples of Jesus. You have been well prepared, at least you're pretty confident you have been. And yet there is a certain amount of anxiety and fear and dread about transitions.

If this has been a positive place for you, it will not be easy to leave it behind and harder still to leave your friends behind. And yet it is the friends of the present who have prepared you for more extensive and more inclusive friendships in the future.

You are entrusted as Jesus entrusted his disciples with transforming the world, a world that knows too much violence and greed and discord and hatred among peoples, to be agents of peacemaking and justice and amity and concord, to make a difference in the professions, in the business community, and all the other things that you are called to do with your God-given talents.

So I know you pray here, too. You pray not only for yourself but for your classmates. They have been good to you. They are part of your life-long friendship group. But you pray, as we all do, about the unknown future.

May all of us in this time of transition, the senders and those sent forth, take consolation in this Easter season, in the time after the Ascension of Jesus, before the celebration of the coming of the Spirit at Pentecost.

May we take consolation in that fundamental claim of Christian life that our lives are embraced in a providential order, for God cares deeply for each of us, and God will bring all things to completion in the end.

As we continue this Eucharist, we pray for all here assembled. We pray in a special way for those carrying heavy burdens at this time.

We pray that our futures might be in God's hands and that we can look forward in confidence and hope.

1996 Spring Commencement Honorary Degrees

May 19, 1996

At the 151st Commencement
The May Exercises
The University of Notre Dame
confers the degree of
Doctor of Laws, *honoris causa*,
on

a nationally recognized leader who for more than three decades has been a teacher, consultant, and administrator in the New York City and San Diego public schools. He has pioneered efforts to reevaluate and reform the American educational system in order to prepare students for the challenges of the 21st century. As chair of the Hispanic Alumni of Notre Dame, he has worked tirelessly to raise scholarship funds for Latino students and serve as their mentor as well.

On
Ruben Anthony Carriedo
San Diego, California

At the 151st Commencement
The May Exercises
The University of Notre Dame
confers the degree of
Doctor of Laws, *honoris causa*,
on

one of our most influential cultural commentators. A chaired professor of law at Yale University, he has shown through his writings and consistent publications how moral principles and simple good sense apply to some of our most vexing problems. Speaking openly as a Christian thinker, he has demonstrated that positions grounded in faith can transcend current political custom.

On
Stephen Lisle Carter
New Haven, Connecticut

At the 151st Commencement
The May Exercises
The University of Notre Dame
confers the degree of
Doctor of Laws, *honoris causa*,
on

an educator who sees the campus as not only a center of knowledge but also a model of civil society. With the presidency of Connecticut College as pulpit, she has promoted the role of colleges and universities as communities where civic virtues are identified, practiced and taught. As chair of Campus Compact, she exerts national leadership by encouraging the expansion of service-learning programs and insisting that the value of higher education accrues more from outcomes than incomes.

On
Claire Lynn Gaudiani
New London, Connecticut

At the 151st Commencement
The May Exercises
The University of Notre Dame
confers the degree of
Doctor of Laws, *honoris causa*,
on

an internationally acclaimed legal scholar whose books on family law have won the highest honors in the field. This chaired professor at Harvard Law School was a founding member of Women Affirming Life, and is one of the most forceful expositors of Catholic social teachings on the American scene. Sensitive yet forthright, she became in 1995 the first woman ever to lead a Vatican delegation to a major world meeting, heading the 22-member mission to the Beijing Conference on Women.

On
Mary Ann Glendon
Cambridge, Massachusetts

DOCUMENTATION

At the 151st Commencement
The May Exercises
The University of Notre Dame
confers the degree of
Doctor of Laws, *honoris causa*,
on

a long-time friend of Notre Dame who has contributed powerfully to the rebuilding of his country by his insistence on the rule of law and the morality of the issue of apartheid. A respected jurist who personifies the principle of judicial independence, he chaired the commission investigating political violence and human rights abuses in his native South Africa, ensuring accountability and stability during the transition to democracy. The world community also recognized his integrity by naming him chief prosecutor to investigate those responsible for war crimes and genocide in Rwanda and the Bosnian conflict. We honor today an impartial arbiter and giant of justice.

On
Richard Joseph Goldstone
Johannesburg, South Africa

At the 151st Commencement
The May Exercises
The University of Notre Dame
confers the degree of
Doctor of Laws, *honoris causa*,
on

a trustee whose success in business has shaped a generosity ensuring the quality of students entering this university and the quality of the education they find here. He has kept the doors of Notre Dame open to the talented young by endowing scholarships for entering Hispanic students as well as by providing for enrolled students whose circumstances worsen unexpectedly. His recent underwriting of Notre Dame's first Center for Teaching Excellence emphasizes that the art of teaching remains at the core of this university.

On
John Albert Kaneb
Manchester-by-the-Sea, Massachusetts

At the 151st Commencement
The May Exercises
The University of Notre Dame
confers the degree of
Doctor of Laws, *honoris causa*,
on

a chaired professor of accountancy at the University of Chicago whose counsel is sought by litigators and educational innovators throughout the business world. Known for her high standards as editor of a distinguished accounting research journal, she has a keen eye for insightful scholarship. Her own research meets the hard test of creative thinking, particularly in the way she casts new light on the relationship between corporate governance and financial regulations.

On
Katherine Schipper
Chicago, Illinois

At the 151st Commencement
The May Exercises
The University of Notre Dame
confers the degree of
Doctor of Laws, *honoris causa*,
on

a trend-setter in global investment who is the acknowledged dean of international money management. A generous philanthropist, he is noted for establishing an annual award in the area of religion to complement the Nobel Prizes. This former Rhodes Scholar has consistently sought to bridge the gap between science and religion and to stress the importance of moral values by supporting the character-building mission of American higher education.

On
John Marks Templeton
Nassau, Bahamas

At the 151st Commencement
The May Exercises
The University of Notre Dame
confers the degree of
Doctor of Letters, *honoris causa*,
on

a Minnesota storyteller whose novels plumb the placid depths of small towns, quiet loves, and muted yearnings, searching them for avenues of grace. Living, working,

teaching and dreaming in Midwestern towns occasionally overlooked by mapmakers, he guides his readers into similarly neglected regions of the human soul. A realist in matters spiritual, he aims his narratives at the place where human folly encounters divine mystery, and so becomes an artist of the sacramental.

On
John Francis Hassler
Collegeville, Minnesota

At the 151st Commencement
The May Exercises
The University of Notre Dame
confers the degree of
Doctor of Science, *honoris causa*,
on

a scientist of vision whose seminal contributions to solid-state chemistry in the preparation and characterization of new materials for catalysis and superconductivity have won him international acclaim. An energetic scholar, he has not only championed research in his native India, but also is a fellow of virtually every academy worldwide including the prestigious Pontifical Academy of Sciences. As a nurturing mentor, he has inspired countless young scientists around the globe by showing them that science that matters need not cost millions.

On
Chintamani Nagesa Ramachandra Rao
Bangalore, India

At the 151st Commencement
The May Exercises
The University of Notre Dame
confers the degree of
Doctor of Engineering, *honoris causa*,
on

a distinguished engineer, scholar, author and graduate of Notre Dame. Responsible for significant advances in the technology of naval systems, as chief scientist, he formulates and directs research programs at the Navy's David Taylor Research Center. We salute a man who embodies the Notre Dame ideal of professional excellence, government and community service, and dedication to family.

On
William King Blake
Bethesda, Maryland

Commencement Address

Mary Ann Glendon
Learned Hand Professor of Law
Harvard University
May 19, 1996

Bishop D'Arcy, President Malloy, reverend clergy, honored guests, faculty. I am deeply delighted to join you in offering congratulations to the families, friends, and most especially, the members of the Class of 1996! Since one of my daughters is receiving a degree from Boston College tomorrow (a school which I understand has long and cordial relations with Notre Dame and whom you are going to meet after your trip to Dublin, I believe), I can well imagine the happiness and pride that you parents are feeling today. And I am deeply grateful to have been invited to share this special occasion with you.

So as a token of my gratitude, I'm going to make you a gift of the most important lesson I have learned in all the graduations I have attended as a student, teacher, parent, 28 years folks, I can put it in the form of a beatitude: Blessed is the commencement speaker who keepeth it short, and delayeth not the party! See, that's a little bit of Boston College wisdom I picked up.

One of the reasons I'm so pleased to be here today is that it gives me a chance to acknowledge a gift that I received from Notre Dame. Many years ago, when I was a high school student in a small town in western Massachusetts, I was beginning to have difficulty putting together what I had been taught in Sunday school with the world of ideas I was encountering in the local public library. Then, one day I came across an essay in our local newspaper by a Father Theodore Hesburgh. One sentence jumped out at me, and it's no exaggeration to say that it had a profound effect on my life from then on. "When you encounter a conflict between science and religion," Fr. Hesburgh wrote, "you're either dealing with a bad scientist or a bad theologian."

That characteristically blunt Hesburgh-ism not only helped me on that difficult journey from childhood beliefs to adult faith, but it helped to channel my adolescent rebellion toward a critical engagement with the natural and human sciences. Not that I didn't find other ways to annoy my parents.

I must confess that as I was listening to the citation for my degree I couldn't help thinking of the *New Yorker* cartoon that shows a general — he's on a statue, he's on his horse and underneath there's a citation that reads: "Pa-

triot, soldier, gentleman, nevertheless a great disappointment to his mother."

You members of the Class of 1996 have had the good fortune of being steeped in the tradition in which Father Ted's insight was grounded. As I read in *Domers*, you were initiated into it four years ago when Vice President Patty O'Hara welcomed you with the words: "We don't apologize for being different here. We proclaim it . . . We believe a true education integrates faith and reason."

Well, you know, that the Hesburgh-O'Hara approach to faith and reason isn't new. On the contrary, you are the heirs of what Chicago's Robert Maynard Hutchins enviously referred to as "the longest intellectual tradition of any institution in the world." You are the heirs of the same fearless approach to knowledge that enabled Thomas Aquinas to commune with the ancient Greeks without the slightest fear that his faith would be unsettled. Why not? Because he understood the intellect as a great gift from God: a gift that not only doesn't threaten faith, but advances the ability of each new generation to know, love, and serve God in this world.

A very different set of attitudes prevails on some other parts of the American educational landscape. There, one dogma holds that faith and reason are each other's enemies, and that science has made religion obsolete. Another accords a place to religion as a kind of leisure-time activity, but insists that religiously grounded viewpoints are out of bounds in discussions in the public square. In many institutions supposedly devoted to free inquiry, those views are held with fundamentalist fervor and propagated with missionary zeal.

The idea that religion ought to be kept private has even attracted a certain following among religious Americans, including Catholics. The reasons are understandable. Just as it's not easy for an individual to grow from childhood to adult faith, it wasn't easy for American Catholics to make the transition from the immigrant church to the position in American society they now enjoy. On that rocky road, many people chose to follow what we might call "the way of the turtle." The turtle keeps her religion inside her shell. She keeps silent on many issues of the day, lest she be accused of trying to "impose" her views on her fellow citizens.

Other Catholics, eager to make their way in the world, chose what one might call "the way of the chameleon." The chameleon tries to blend in with established patterns of secular culture. When parts of their heritage didn't lend themselves to blending, chameleon theologians appear to help make doctrine fit more comfortably with the lifestyles and attitudes of the upwardly mobile. The turtle generation so feared rejection by mainstream

American culture that it hid its light under a bushel. The chameleon generation so craved acceptance by elite culture that it sold its own birthright.

Fortunately, for our beloved republic, Americans of all persuasions are now beginning to reject those choices. They have begun to let their light shine just as your valedictorian Theresa said they should. They're taking their rightful places in the public discussion of where we are as a society and where we're headed. And Americans of diverse faiths have begun to discover that they often have more in common with each other than they do with the secularized rank-and-file of what my fellow honoree Steven Carter calls the "Culture of Disbelief."

When this new generation of unapologetically religious Americans brings its own insights to bear on the issues of the day, they are not trying to *impose* their views on anyone, but they will no longer be denied their right to *propose* their views along with everyone else's. And just in time, because public deliberation has been greatly impoverished by the absence of this kind of diversity. At the recent U.N. conference on women in Beijing, for example, it was troubling to see how few voices other than religious voices were raised on behalf of the world's poorest and most marginalized women. It is alarming how many political decisions here at home are taken without a care for their long-term effects or indirect consequences. As the American founders well knew, a democratic society without the influence of religion can easily consume its own cultural foundations. It can fall into a brutish materialism and a careless indifference about the future. Now more than ever in that complicated world that Theresa described to you, *now more than ever*, the country needs all of its voices.

But here is a key point (and here I speak to you not as a teacher, not as a parent, but as a fellow citizen): Religious participants in public debates will not be effective unless they can speak in terms that are persuasive to men and women of good will — of all faiths, and of no faith. They'll get nowhere if they just preach to the convert. And they'll get nowhere if they behave like the Dublin man who went up to London one day and saw a terrible brawl in the street. He went up to one of the participants, tapped him on the shoulder and said, "Excuse me, is this a private fight or may I join in?" Well, in the "politics of persuasion," it's intelligence and skill in dialogue that are going to count. And here's where the education that dares to be different can make a difference.

And you perhaps have heard Father Hesburgh say that "The worst heresy is that one life cannot make a difference." But you may wonder just how might a Domer education make a difference?

Well, first, don't be surprised if habits, ideas, ways of thinking that you picked up here come back to you, taking on deeper meanings, turning up in unexpected places — like Father Ted's throwaway line years ago about science and religion. Don't be surprised, are you ready for this, if one day you find yourself quoting Patty O'Hara to your own children. Yes, an education like yours tends to be a "gift that keeps on giving."

- Then too, unlike the chameleons who tend to blend into the dominant culture just where it needs to be challenged, you Domers are more likely to be like the independent-minded citizens that the American founders counted on.
- You'll have a head start on bridging differences in our pluralistic society, because you know tolerance does not consist merely in putting up with the people who disagree with us. It means engaging with them — because we know that they are creatures of God just as much as we are; and because we know, alas, that our own access to truth is imperfect.
- And finally, since your parents and I are veterans of the 1960s, I cannot resist adding that you are also well equipped to be radicals — in the sense of knowing how to get to the root of things. As you know, many people who take lofty moral positions on social and economic justice, have sloughed off many other moral teachings that are hard to follow in our permissive society. Novelist Saul Bellow calls such persons practitioners of the "easy virtues." He compares them to a man who rides into a ghost town and declares himself to be the sheriff. On the other hand, many staunch defenders of traditional personal morality falter when it comes to social justice. They can't quite wrap their minds around the preferential option for the poor. The only options they know about are on the stock market.

But there are good reasons why the Catholic Church consistently warns not only against putting "profits ahead of people," but also against putting "self-indulgence ahead of our responsibilities to our families and the common good" (Bishops, 1995). There is a growing realization, across the political spectrum and among people of all faiths, that materialism, present-mindedness, carelessness about life at its frail beginnings, and its fragile endings are creating a culture that corresponds to *nobody's* vision of the good life. There is a growing appreciation of the essential connection, the seamlessness, if you will, between the duty to "respect every human being no matter where he or she is on life's journey, and (the duty) to respond with compassionate justice to all who are in need" (Cardinal Law, GS 27). And here is where Judaeo-Christian traditions of responsibility and solidarity intersect

with the great American traditions of hospitality and generosity, of welcome to the stranger, and lending a helping hand to the person in need.

Now, speaking of hospitality reminds me of my promise not to delay the festivities. So let me speed you on your way with a blessing attributed to a woman who understood the radical nature of the message of the gospel in all of its fullness. She was St. Brigid of Kildare. Brigid's abbey in sixth century Ireland was a hospice for the dying, it also was a haven for needy strangers. And Brigid seems to have loved a good party. At least that's the impression one gets from her blessing which begins with this line: "Lord, I would have a lake of the finest ale!" And, Brigid goes on:

I would welcome the poor to my feast
For they are God's children
I would welcome the sick to my feast
For they are God's joy
Let the poor sit with Jesus at the highest place
And let the sick dance with the angels.
God bless the poor,
God bless the sick
And bless our human race
God bless our food
God bless our drink
All homes, O God, embrace.

And if Brigid were here today I'm sure she would add, "God bless the Notre Dame Class of 1996."

Valedictory

Theresa McCaffery
May 19, 1996

President Malloy, distinguished members of the platform party, faculty, family, friends, and especially my fellow graduates of the class of 1996:

Most of the graduates here today are familiar with Plato's *Republic* having read or discussed it at Notre Dame, whether it was in Core, in our introductory philosophy class, or a late-night at the library right before the final. You may recall that in the seventh book of the *Republic*, Plato outlines the allegory of the cave. He uses the journey of a prisoner from the shadowy darkness of a cave into the bright sunlight as a metaphor for the process of education. He recounts the feelings of pain, sightlessness, and abandonment that often accompany this process of enlightenment as the prisoners' eyes struggle to adjust to the influx of light and experience the splendor of the sun. The image of an educational journey from the darkness into the light seems an appropriate one for the process of illumination that has been ours during the past four years.

Through our classes and course work, we have been introduced to a wealth of new people, ideas and cultures. Whatever our field of study, we have been introduced to new ways of thinking and approaching problems. We have learned so much by vicariously experiencing all that we have read and heard. Our professors have constantly challenged us to plunge deeper into our studies, never resting with surface interpretations, but delving into the work at hand. With their assistance, we have acquired a range of skills, the power to express ourselves in languages and to interpret others, to think critically, to appreciate the riches of art, drama, and literature, to see the beauty and symmetry of nature in biology, physics, and to wonder at the mysteries of freedom, death and God. But the greatest gift that our teachers have given us is the ability to educate ourselves. This skill is more important than any factual knowledge that they could impart to us. And although some of us are now finishing our formal instruction, with this skill, our education will not end here but will continue on as a lifelong process.

Our education at Notre Dame has not been merely academic. I have learned countless lessons here not from classes but from conversations with friends, exchanging ideas, values, hopes or fears. There is a sense of community here that we have all experienced which has brought us closer to each other, and in the process, helped us to find ourselves. We have participated intimately in the lives of one another, day in and day out, in the dorms,

classrooms and dining halls. As we gathered together in our dorms for liturgies, tailgated together before football games, painted walls together for Christmas in April, or just sat around a Papa John's box at three in the morning catching up on each other's lives, we have grown together in so many ways. Although we leave here and scatter to every corner of the country and the world, there is a sense in which we are not leaving each other at all. The impact that we have had on each other's lives has made it impossible for us to walk away from our four years alone. We carry with us all of our friends who have helped us to grow in a sense of our own ability and dignity.

Through this whole process, we have experienced love and support from home as well. Our parents have stood behind us, bolstering us in times of trouble and making many sacrifices for our education. Their gradual letting go enables us to claim our own lives and live them responsibly. Though often far away, our families have been an integral part of our experience at Notre Dame as their presence here today reminds us. This day marks a milestone in our relationship with them. As we step out into the world, we express our gratitude to our families by using all the gifts and opportunities they have provided to worthy ends and by returning their constant love and support, no longer as children but as friends.

At times this journey out of the cave has been a struggle as we have encountered spiritual, intellectual and social challenges. But as we reflect on our time here and the difference between who we are now and who we were when we sat here for our orientation four years ago, we can clearly see the progress we have made and appreciate the selves we have become.

The most striking element of Plato's allegory of the cave is that once the prisoners have been lead out of the cave and seen the brilliance of the sun, they cannot merely remain basking in the sun's radiance. They must descend once again into the darkness of the cave and help others still inside to see more clearly. In my years here at Notre Dame I have been privileged to witness this action many times. Whether it is the students living at Dismas House and helping in the rehabilitation of ex-offenders, the accounting majors giving up their time to prepare taxes for the needy, or the students playing football or basketball with their little brothers and sisters, we have been surrounded by a community that cares and reaches out to others. As we depart, we must take this compassionate perspective with us. We cannot leave Notre Dame and use our education solely for our own advancement and gratification. We must return to the cave and offer those still in darkness all of our gifts and talents. Our experience here at Notre Dame awakens our generosity of spirit and calls upon us to share what we have received with others.

Yet I believe that frequent trips into the sunlight are also necessary, to help us remember and to keep us focused. Sometimes, as I walked around campus on weekends, I have seen visiting alums in plaid pants and with children in tow. And I have wondered why it is that they keep returning. Are they just trying to relive the glory days of their college time? What is it about Notre Dame that keeps people coming back decades after they have graduated? I believe it is because we have roots here at Notre Dame that will sustain and nourish us throughout our lives. We are graduating into a world with far greater problems than SYR dates and dining hall food. We are moving on to a place where homelessness, violence, AIDS and poverty are facts of life, where hatred and prejudice abound, and where God's presence can be difficult to find. The support and community we have found at Notre Dame can give us a sense of strength and security that will allow us not only to weather the storms of the world but to reach out and offer love and comfort to others. I leave Notre Dame with a sense of hope. I have seen what is possible and now my job is to make it actual.

As we are graduating today, I offer both a challenge and a prayer to my fellow graduates. My challenge is for each of us to become a beacon of light for others still in the cave. My prayer is that the sunlight of hope may always continue to shine in our lives.

Laetare Medal

The University of Notre Dame
to
Sister Helen Prejean, C.S.J.

Madam,

Mercy is an axiom of the Gospel of Jesus, and flows in the veins of Our Lord's own flesh. Our every Eucharist reenacts the *kairos*, that moment spanning past, present, and future time, when God's only begotten Son gives Himself to be executed in our stead. Your unsettling ministry, Madam, points out that moment's contemporary implication.

Born to a loving home in Baton Rouge, the child of parents whom you have described as "Catholic down to their DNA molecules," you prayed frequent family rosaries for an increase in vocations to the religious life. God's answer to your family's prayers included your own summons, at the age of eighteen, to the Sisters of Saint Joseph of Medaille. The generosity with which you answered that call resonates with Mary Magnificat, and launched you on an adventure in grace which patterns her own.

Yours, like hers, was a path of humility, and you did as your community bid you, teaching high school English, directing religious education in a parish, forming younger sisters in community. But humility for a follower of Jesus is not necessarily docility, and obedience is not the same thing as conformity. When your sisters in community formally pledged themselves to solidarity with the poor, you were hesitant at first.

Yet obedience drew you on until you found yourself living in a New Orleans housing project, teaching high school dropouts by day and sleeping fitfully through the sound of gunfire by night. One day at the request of a friend and in consonance with your vocation you began a correspondence with a young man on Louisiana's death row, awaiting execution for the brutal murder of a teenage couple. You gradually became this man's close friend and spiritual counselor, accompanying him to the death chamber and sharing his agonies of body, mind and soul just as you would come also to share the anguish of his victim's survivors. Since these moments of Epiphany you have been equally outspoken as an opponent of capital punishment and as an advocate for victim's rights, walking parallel paths to Calvary alongside slayers and survivors alike.

Madam, your ministry bears the presence of Christ deep into the interstices of an odious legality. Where there had been no love, you have put love, and thus found love. For carrying the mercy of Jesus to the most broken souls in the most desolate places, the University of Our Lady, his Mother, gratefully confers its highest honor, the Laetare Medal,

On
Sister Helen Prejean, C.S.J.
Metairie, Louisiana

Response

In media interviews I'm often asked, "What's a nun doing with death row inmates?" And my simple direct answer to them is, "I got involved with the poor." In moving to the St. Thomas Housing Projects, right around the corner from where I was working at an Adult Learning Center, was a Louisiana Prison Coalition Office. In one of those casual conversations, a friend of mine working there one day said, "Hey, Sister Helen, you want to be a pen pal to somebody on death row?" And I said, "Sure." I thought that's all it would be. Writing a few letters to somebody on death row, didn't know what he had done yet, figured he was probably guilty of a terrible crime, but I did know one thing: That if he was sitting on death row in Louisiana, like most people of the 3,000 people that sit on death row in this country, he was there because he was poor and I was there to serve the poor and that was enough to get started. And I wrote this letter to Patrick Sonnier and he wrote back, and it all unfolded from there.

God gives us a little penlight, not a searchlight. And certain strong, irrevocable driving principles of the Gospel of Jesus that everyone belongs to the Body of Christ, everyone, not just making a distinction between innocent life and guilty life, but everyone, and that led me to death row; that led me to Patrick Sonnier, and all the references that I've heard just being here about Notre Dame and Our Lady. I accompanied Patrick Sonnier, I recounted all this in my book, *Dead Man Walking*, and I remember I never dreamed he'd be executed, never dreamed I'd be there as spiritual advisor.

In Louisiana you're allowed to accompany the person to the end and be there for them when they die. And I remember him saying to me, "Oh no Sister, you can't be there at the end because it could psychologically scar you. Just be with me and then I'll make it. You just pray God holds up my legs." And the image that came to me, were the women at the foot of the cross, including our

Blessed Mother. And I remember saying to him, "Pat, I'll be there for you, you look at my face, and I will be the face of Christ for you."

After Patrick was executed and I accompanied him, I remember reading about an execution and I had to sit down, because my legs got weak, but in that moment God's grace was so present. And if you see the movie "Dead Man Walking," it will come out in video like toward the end of June, June 25th, in case you didn't make it to the theatre. And the movie got it right, the warden was bringing him out, and he said, "Can Sister Helen touch me?" And I put my hand on his shoulder and read to him from Isaiah 43. We use the word "dignity." In fact our U.S. Supreme Court has said that we can kill a person; we can execute a person and it is not against their dignity. And here I am with my hand on his shoulder reading from Isaiah 43, "If his ears could take in the words I have called you by your name, you are mine. If you pass through the fire we'll be with you." Not to condone what he did. This is not to condone, that people who do murders are really all right people and it's okay, but it was like those words were there, and they sustained him and they sustained me.

And then my journey led me to the murder victim's families as well. And in the film "Dead Man Walking" Tim Robbins said to me, "Now, Helen, we're not going to portrait you as some super-nun, some plaster saint. There's nothing more boring than a plaster saint. We are going to convey you as you really are, which is a human being, getting in over your head making mistakes but making your way toward the light." And the film has done that. And one of the big mistakes I made was not going over to the murder victims' families soon enough, not knowing how to deal with them.

An incredible hero, the hero of my book *Dead Man Walking*, and I end the book with him, is a man by the name of Lloyd LeBlanc, whose son David was murdered, and who in his deep Catholic tradition had learned the "Our Father" when he was a little boy. Lloyd LeBlanc, when the sheriff brought him out to identify his son's body, said that "Our Father" that he had been saying from the time he was a child. And when he came to the words, "forgive us our trespasses, as we forgive those who trespass against us," he forgave the people who killed his son. Forgiveness is not a weak thing. It is not a weak virtue. Some people construe forgiveness means it's really okay you killed my son. What I learned in Lloyd LeBlanc is, and I've learned in many murder victim's families since, it's like saying the hatred and bitterness is not going to take my life. The power of Jesus Christ, the power of healing forgiveness simply means, "I will not succumb to the hatred and the bitterness, but I will move on with life," which Lloyd LeBlanc did.

DOCUMENTATION

You know, I never thought I'd write a book. I never thought they'd do a film. I never thought I'd be drawn into the white hot fire of something like the death penalty. Watching what's happening. How the death penalty is applied. Why only poor people get it. Why overwhelmingly the race that's a part of it overwhelmingly when white people are killed is when D.A.'s go for the death penalty. When people of color are killed very often they don't even vigorously prosecute the case. I never dreamed I'd be drawn into all that fire! But you know when you are drawn into something, and a passion is inflamed in your heart, it draws out of you gifts that you didn't know you had. And I began to write and so I wrote the book. And you know Goethe said something that I live with that I believe in. He said, "When we are deeply committed and unswerving in our commitment to a deep cause of right, providence begins to work for us and our lives find their way to us." And that's the way the film happened.

I was in my kitchen one day and the phone rang and the voice on the other end identified herself as Susan Sarandon. Now I had heard her name, I've got to say that. I did know who she was. But she said, "I'm filming 'The Client' in Memphis, got to come to New Orleans for two days of filming, I would like to meet you. I'm reading your book *Dead Man Walking*. Can we meet?" I say "sure." I hang up the phone. I run out and rent "Thelma and Louise" so I can see what she looks like. How this happened I don't know but she took it well because the whole movie I thought she was Geena Davis. I don't know what happened. And she came in the restaurant and what I felt was relief because, oh, she was Louise, and I had liked Louise! And the whole time looking at Geena Davis going "I guess she could be me." And so the film, we met, and then she brought the book to Tim Robbins, and then Tim Robbins said "we will make this book." And partly why Tim Robbins wanted to make the book was he said we want to reveal the face of Christianity and is God really a vengeful God? And so we worked together on the script and then of course when Tim had the script reading every major studio said you can't make this movie. Where's the story? A nun visiting with a death row inmate? They don't even fall in love or anything. She doesn't run off with the death row inmate. She doesn't help the death row inmate escape, and he is guilty, and he's going to be executed? What a downer. Where's the story? And Tim would shake his head and then later PolyGram from London did pick it up and now the movie is all over the world. Eight million people have gone to see it. Because people sense in it, it's a story of redemption and it's really about unconditional love.

My blessing for you, my hope for you, is to be blessed with passion. And I will end with one little story. There was a young guy didn't know what to do with his life. He had a rich uncle. The rich uncle said, "Send the kid to law school. He doesn't know what to do with himself . . . send him to law school." So they sent him to law school. He did fairly well to middling, and nothing superb. Came back and still didn't know what to do! He had his first case, and it was over a piddlily little amount of money his client had come to him. I mean it was over almost nothing. And when he stood up to defend his client, he was so overwhelmed with his own ineptness he could not say a word in the courtroom. The ultimate nightmare, you stand up, you're rendered mute, you can't move your lips, you can't say anything. It happened to him and he sat down. Of course they laughed him out of the courtroom and he was known as the lawyer who didn't get any cases, and with good reason. And one day a man found his way to him and said, "Sir, I need you to help me, I've been wronged." And he looked into the case and it was clearly a question of injustice. And he researched and he got his stuff, he got his knowledge and he went in and he won that case. And that man was Gandhi. May you be blessed with passion, and may you follow it all of your life. Thank you.

Special Presidential Awards to Staff

May 20, 1996

1996 Special Presidential Award

She started at Notre Dame as a clerk and through hard work, self-training and increased education advanced to running the most technologically sophisticated graphic shop in the area. Her "can do" attitude and job dedication make her a master at doing more with less. Her work is used in scholarly presentations, books, recruitment of graduate students and to tell the Notre Dame story. She is highly admired and respected by faculty and students for her technical knowledge and problem-solving skills. Her personal qualities exemplify the values of Notre Dame.

For her commitment and hard work, we honor

Joanne D. Birdsell

1996 Special Presidential Award

Her unfailing dedication to duty and attention to detail have distinguished this staff member. As she works and coordinates projects with customers throughout the Notre Dame community, her professionalism and commitment to excellence ensure that completed projects exceed customers expectations both in quality and in cost. While visiting the many job sites throughout campus meeting with rectors, deans, directors and department heads her smile and congenial personality communicate a calming atmosphere during the high pressure times that surround the completion deadlines of the activities in which she is involved. She is highly recommended by her peers as demonstrated by her recent appointment to the Staff Advisory Council for one of the larger districts on campus. Her commitment to excellence is demonstrated in community service through involvement with numerous volunteer programs such as Christmas in April, the Homeless Shelter, sponsorship of athletic teams and community Christmas parties for children at risk, hosted by Notre Dame. This staff member, through her demonstrated professionalism and commitment to job performance, represents the ideals and values of the University of Notre Dame in action. We honor

Phyllis R. Campbell

1996 Special Presidential Award

For 25 years she has faced the challenges of running an academic department with uncommon dedication and effectiveness. She is faced with training new department chairs, orchestrating conferences and helping faculty and students with a wide range of issues. She is routinely praised by visitors, dignitaries and internationally known scholars for her response to their needs and concerns. Past faculty, staff and graduates regularly drop her notes marking important moments in their own lives or just to keep in touch. She is an important member of the immediate and extended family of the Theology department

For all she does for Our Lady's University, we recognize

Anne T. Fearing

1996 Special Presidential Award

Words are precision instruments and we honor tonight a person who uses them skillfully and anonymously. The creator of numerous support materials for the University's development campaigns, he distills the philosophy and programs of the University in proposals, articles, letters and speeches, trying always to make the compelling argument for Notre Dame's unique educational mission. For fifteen years and through two major fund-raising efforts he has honed the institutional case, receiving several professional awards in the process. A graduate of the University of Iowa's prestigious Writer's Workshop, he turned his pen from fiction to fact, from novel and short-story to benefactor letter and foundation proposal, much to the benefit of Notre Dame.

We salute a master of the craft of writing

Jerald J. Janicki

1996 Special Presidential Award

He is a model of a caring individual and unselfish employee. In his quiet and unassuming way he gives unlimited hours resolving important issues that routinely require attention on evenings and weekends. He has been an indispensable member of project teams designing and implementing modern information processing systems to support University accounting.

The consummate team player, contributing new ideas and excelling at matching processing and reporting re-

● sults achieved with project requirements. Whatever the task, his performance is remarkably accurate, thorough and insightful — in a word, it is outstanding.

Our Lady's University honors

Brother Richard F. Kyle, C.S.C.

1996 Special Presidential Award

Students welcome his warm smile and friendly greeting. He is routinely introduced to parents as an important person in the lives of students. He is a person students want to remember and is included in photographs taken for keepsake purposes. He exemplifies the University's commitment in maintaining the highest quality of student life. He is a role model to us all in providing service and promoting positive relationships with students and fellow employees. He is truly the "Ambassador of South Dining Hall."

Tonight we honor

Michael L. Hardict Sr.

1996 Special Presidential Award

● As a coach, teacher and administrator, he has impacted the athletic lives of thousands of Notre Dame students in his 25 years on the campus. As director of club and intramural sports in the RecSports Department, he has been integral in nurturing many Fighting Irish sports from club to varsity status — with many of them now competing at the national level. He can take particular pride in the recent successes of the Irish women's athletic teams. Virtually every women's varsity program had its beginning as a club sport, growing up as part of the RecSports program with his guiding hand. The women's interhall, graduate/faculty and co-rec programs all have been added to the list of RecSports offerings during his tenure and he has been a key part of the tremendous growth of the men's intramural programs.

His particular interest in lacrosse made him the perfect individual to take over Notre Dame's men's program when it made the jump from club to varsity level in 1981. In eight years as head coach, he built the Irish into one of the top, if not the top, programs in the Midwest. Whether it's been part of coaching or administering the non-varsity efforts of the Athletic Department, his ability to relate to students at the University has earned him the respect of Notre Dame's student body and administration alike. We recognize

● Richard D. O'Leary

Presidential Dinner Awards

May 21, 1996

1996 Faculty Award

Baccalaureate degree in hand, the winner of our 1996 Faculty Award left South Bend to spend a brief time in Washington's corridors of power before returning here to work on a government research project. Her resulting success launched the distinguished academic career that we celebrate tonight. Over the past 16 years, this faculty member has served as teacher, scholar, administrator, and participant in special projects ranging from the Colloquy for the Year 2000 to the Catholic Worker House. Despite these strenuous involvements, without missing a beat she has maintained a warm and hospitable home for husband, daughters and friends. Her unassuming elegance, balanced approach and easy style assure us we encounter the same person whatever the hat she wears. We honor tonight an exceptional woman as capable of advising the federal judiciary as of setting up a wilderness camp with her family.

Carol Ann Mooney

1996 John A. Burns, C.S.C., Graduate School Award

A nationally-known specialist in theories of assessment and instruction, this 1996 John A. Burns, C.S.C., Award Winner practices what she preaches by challenging her students to stretch their abilities to ever new heights. With unique intellectual and social competence, she fosters her students' personal growth, academic achievement and professional success. Her excited yet thoughtful exchange of ideas with colleagues and students alike is matched by her enthusiastic sharing of good books she has read and tasty recipes she has tried. Coming to Notre Dame from sunny San Diego via the University of Illinois, this former Sheedy Award winner is the most sought after research mentor in her department as well as an always willing counselor to her faculty colleagues. We honor tonight one who exemplifies Vygotsky's model of collaborative interaction between learner and "more capable other."

Jeanne D. Day

1996 Rev. Paul J. Foik, C.S.C., Award

Selfless and dedicated, this librarian has been both eloquent and tenacious in seeking resources for her areas of responsibility. Unwilling to accept mere adequacy, she has successfully pursued grants and endowments to enrich Notre Dame's resources in American Catholic Studies and to ensure their accessibility through printed finding aids and UNLOC, the Libraries' online catalog. She applies this same enthusiasm to Irish Studies, another of her areas. She was also an early advocate for the use of the Internet to enhance library resources and services. A wide-ranging student throughout her career, she has recently added scholar and author to her roster of accomplishments. Her quiet, serious demeanor conceals the passionate heart of a true scholar-librarian and winner of the 1996 Rev. Paul J. Foik, C.S.C., Award.

Charlotte Ames

1996 Madden Award

In loco parentis — These words dreaded by so many college students characterize a fervent but gentle man who uses chemistry as a way of making his students aware, not just of the physical world around them, but of their personal obligation to leave that world a better place because of their presence. His concern is as much for their personal welfare and development as for their high-level academic performance. A throwback to the Mr. Chips model of teacher and mentor, he himself leads the simple life that he subtly urges on his students. Wise young undergraduates applaud him for the valuable lessons they learn both inside and outside the classroom. Already acclaimed as winner of the Faculty Award and the Shilts-Leonard teaching award of the College of Science, this chemist judiciously extends his students' understanding of the broad meaning of "parenting."

Rudy Bottei

1996 Reinhold Niebuhr Award

A native of Kansas City, Missouri, a young lawyer began the long march for justice together with Martin Luther King on the streets of Selma and Birmingham. The same streets eventually would lead him to Santiago, Chile, to teach his trade and to stand in solidarity with victims of Pinochet's brutal dictatorship. Whether directing the efforts of the U.S. Catholic Conference on matters of international justice and peace, or founding the Center for Civil and Human Rights at Notre Dame, he has never strayed from the path of justice. At home in Wrigley Field as well as in Notre Dame's Law School, this restless teacher-scholar brings wisdom, humor, holiness and a passion for justice to all who share this journey with him.

William M. Lewers
Congregation of Holy Cross

1996 Grenville Clark Award

The Grenville Clark Award for 1996 is shared by two volunteers who serve the local community in differing but no less essential ways.

The first is a woman whose energy and commitment within her department and college are extraordinary. Alert to every need, she takes immediate responsibility, be it for the answer to a question or the preparation of a fire policy for O'Shaughnessy Hall. Leaving the campus, she plunges into the Northeast neighborhood activities with the same intensity and compassion. Whether it be an Hispanic family needing better housing or a mayor who requires detail on a problem, she directs her attention to the matter until it is successfully solved. Her leadership results in justice and a better quality of life for the less fortunate.

The second is a young man whose quiet, self-effacing manner masks a determined, creative dedication to improving life for the poor. Organizing student volunteer teams into efficient construction groups, he has led the effort of Notre Dame's Chapter of Habitat for Humanity with unique success for the last two years. Bringing the special skills of his own field of study into play, he persuaded his co-workers not only to join in the rebuilding of a home but this year to design the house as well, a contributing factor to the Chapter's receiving the Founder's Award for all-round excellence.

We are pleased to honor this evening

Jennifer A. Morehead
and
Matthew J. Fitzgerald

1996 John "Pop" Farley Award

Coming to Notre Dame from Mitchell, South Dakota, by way of Texas, this rector astounds incoming students by recognizing them immediately as he welcomes them on arrival. Having memorized their names and faces before they appear is only one of his many talents! Kind and caring, friendly and approachable, he balances well the need to be strict, yet fair. His earlier work as associate pastor of a large parish and also chaplain to a state school for the deaf, gave him apt preparation for the varied tasks of rector. Whether teaching, overseeing the physical upkeep of the hall, demonstrating a keen bridge game or participating in the hall's annual Irish wake, he is a man loved and respected by all. In many ways, for the men with whom he lives, Alumni Hall is

George Rozum, C.S.C.

1996 Rev. William A. Toohey, C.S.C., Award

This evening's winner of the Toohey Award was a seminary student of Father Bill Toohey who taught that a homily should always proclaim the truth of Christ rather than the personality of the preacher. Now an excellent example of that dictum about the ministry of the Word, he is friend and advisor to undergraduates, kindly confessor to young and old, and canonist and teacher in the Department of Theology. Whether preaching in the dormitory chapels or in the Basilica, he skillfully unites faith and learning in the service of Christ. As next Superior of Moreau Seminary, he will soon take on the primary responsibility of guiding the formation of yet another generation of priests and preachers whom he will continue to teach as much by his faithful example as by his eloquent words.

John F. Lahey
Congregation of Holy Cross

1996 Rev. William A. Toohey, C.S.C., Award

The casual pace and hearty greeting of this Toohey Award winner as he strolls the Notre Dame campus bely the intensity with which he watches over the University's financial affairs. So too does this "cheerful giver's" countenance hide the seriousness with which he serves the many needy he meets along his way. Generous with time and talent, he offers expertise to the boards of charitable institutions such as the South Bend Center for the Homeless and an organization called Guest House which aids Catholic priests and sisters suffering from drug or alcohol dependence. Small Catholic colleges needing financial

advice can also count on his supportive help. Whether preparing his power boat for a run on Lake Michigan or serving an early breakfast to guests in the Homeless Center, he can be found with his "first mate" Mary Ann, dispensing hope and goodwill. We are proud to hail tonight a friend and colleague who sees serving as synonymous with living.

Thomas J. Mason

1996 Special Presidential Award

Respected scholar, valued colleague and conscientious mentor — these are only three of the terms that describe this remarkable member of the Notre Dame community. A transplanted New Yorker, he has influenced policy at the highest levels of this nation's government by his scholarship. His colleagues count on his counsel at every level. Working regularly with a cadre of students, he encourages their development and hones the growth of their research skills. And those who dare meet him on the squash court learn of his enthusiasm and aggression in yet another form! Twice selected Teacher of the Year and twice a director in London, this multi-faceted professor enlivens the campus with his sharp wit and laughing eyes as much as with the bright blue MG he sports in the summer sun. We salute tonight a true "man for all seasons."

Joseph P. Bauer

1996 Special Presidential Award

This award winner is a poet, novelist, teacher and colleague whose success in every facet of her academic life is marked by prizes and honors for outstanding achievement. Almost by instinct, students gather around her for the enrichment they know will be theirs. Her sense of vocation and unselfish dedication are grounded in a practicality as real as her ability to use carpenter's tools or to discern antique beauty hidden under coats of paint. Creative in her work and in her play, she shares insight and joy with all who know her. We honor tonight a woman whose original ideas and consistent performance have redefined the meaning of "Fellow" on this campus.

Sonia Gernes

1996 Special Presidential Award

Crossing the Atlantic to come to South Bend, this diminutive dynamo began her Notre Dame career while an undergraduate over 25 years ago. Always expanding and deepening her knowledge of art through graduate studies and internships both here and abroad, she constantly seeks innovative ways of demonstrating art's impact on a variety of academic fields. Committed teacher, creative organizer and imaginative program director, she gathers around her disparate groups: children for story telling; local women to share their artistic talents; students and faculty to explore art's relevance to their coursework. Along with these absorbing pursuits, she finds time to join her husband in hosting stimulating evenings for visiting poets. We honor tonight an ardent activist for art's integration into every facet of our lives.

Diana C. Matthias

1996 Special Presidential Award

Journeying from the Midwest to the Northwest in the course of her studies, this faculty member was lured back to the heartland and a few years ago began to pursue an academic career at Notre Dame. Already, however, she has earned a reputation as a theoretical whiz in her field. Outstanding as a researcher, she also is an effective and caring teacher. Her high academic standards and conscientious attention to detail make her a fine administrator as well. Attracted equally to the contemplative pleasures of gardening and to the active sport of mountain hiking — particularly in the meadows of Mt. Rainier with her husband and children — she brings intelligence and enthusiasm to every task she tackles.

Kathie Newman

1996 Special Presidential Award

This special Notre Dame couple is noted for gentle good humor and quiet dynamism. His breadth of interests and creative approach to problem-solving are complemented by her focus on detail and always welcoming smile. He advanced with record-breaking speed from young pioneering researcher to internationally acclaimed scholar and award-winning teacher as well. She, always the athlete, ably kept pace with him. Coming to Notre Dame as a chaired professor seventeen years ago, he met with such success that he was tapped for increasingly more responsible administrative tasks, accomplishing each with remarkable understanding and grace. She, with never-failing flexibility and energy, played an active role in campus

and community projects, from Basilica guide to Christ Child Society volunteer. Both avid baseball fans, they quickly added football statistics to their amazing recall when they moved to South Bend! With their family of three daughters, spouses and grandchildren always at the center of their lives, this couple from southern Illinois has shown us what full participation in the Notre Dame family really means!

Roger and Ruth Schmitz

1996 Special Presidential Award

Since his arrival on this campus twenty years ago, this distinguished scholar, noted teacher and talented administrator has made magnificent contributions to the University. Highly respected for his integrity and generosity, he has provided excellent leadership to one of Notre Dame's premier research and teaching institutes for over a decade. Brilliant historian of the Middle Ages, he packs his family off for sojourns in Europe at every opportunity. "One more cathedral" to his exasperated children is to him a treasure house of new finds. Above all, he stands before his peers as an exemplar who personally demonstrates the compatibility of learning and faith in every endeavor.

John Van Engen

1996 Special Presidential Award

This faculty member spent the first part of his career at Notre Dame engaged in teaching and research, helping his department achieve a national reputation in its field. Later he focused his keen energies on major administrative responsibilities, giving his college significant impetus forward in its quest for national recognition during a critical period in its history. With a ready smile and an infectious laugh, he has combined his sharp analytical abilities with an open, collegial approach to issues that have earned him the respect of all his colleagues. Whether participating in lively campus discussions or planning strategy for an international tour, he brings to every task a rare blend of competence and sensitivity.

Robert Williamson

Faculty Promotions

To Emerita or Emeritus

D. Chris Anderson, Psychology
Robert E. Burns, History
J. Philip Gleason, History
Peter P. Grande, First Year of Studies
J. William Hunt, Classical and Oriental Languages and Literatures
Randolph J. Klawiter, German and Russian Languages and Literatures
Tang Thi Thanh Trai Lê, Law School
Robert J. Lordi, English
Larry K. Patterson, Radiation Laboratory
Alberta B. Ross, Radiation Laboratory
Allan H. Schell, University Libraries
Robert M. Slabey, English

To Associate Professional Specialist

Noreen Deane-Moran, English
Dirk M. Guldi, Radiation Laboratory
Howard T. Hanson, Office of Research, Graduate School
James F. Johnson, Chemistry and Biochemistry
Richard P. Johnson, College of Business Administration
Pamela A. Krauser, Office of Research, Graduate School
Diana C. J. Matthias, Snite Museum of Art
Ellen D. Rogers, Office of Research, Graduate School
Barry J. Van Dyck, College of Business Administration
Jaroslav Zajicek, Chemistry and Biochemistry

To Professional Specialist

D'Arcy J. D. Boulton, Medieval Institute, History
Richard A. Hilliard, Office of Research, Graduate School
Kathleen Maas Weigert, Center for Social Concerns

To Associate Librarian

Sheila R. Curl, University Libraries
Michael A. Lutes, University Libraries

To Librarian

Stephen M. Hayes, University Libraries
Richard E. Jones, University Libraries
Lucy Salsbury Payne, Law Library
G. Margaret Porter, University Libraries
Marsha J. Stevenson, University Libraries

To Research Associate Professor

Larry O. Lamm, Physics

To Associate Dean

Steven A. Buechler, College of Science

To Associate Professor

Rev. John H. Pearson, C.S.C., Law School

To Associate Professor and Tenure

Mark S. Alber, Mathematics
Cindy S. Bergeman, Psychology
J. Michael Crant, Management
Jean A. Dibble, Art, Art History and Design
David W. Gasperetti, German and Russian Languages and Literatures
Michael D. Lemmon, Electrical Engineering
Elizabeth Forbis Mazurek, Classical and Oriental Languages and Literatures
Clive R. Neal, Civil Engineering and Geological Sciences
Rev. Mark L. Poorman, C.S.C., Theology
Kathy A. Psomiades, English
Benjamin F. Radcliff, Government and International Studies
Robert Louis Stevenson, Electrical Engineering
Duncan G. Stroik, School of Architecture
Carol E. Tanner, Physics
Michael M. Waldstein, Program of Liberal Studies
Henry M. Weinfield, Program of Liberal Studies
Martin H. Wolfson, Economics
Krzysztof M. Ziarek, English

To Tenure: Associate Professor

Alexander Blachly, Music
David B. Hartvigsen, Management

To Professor

David A. Cole, Psychology
Jill Godmilow, Communication and Theatre
Jimmy Gurulé, Law School
Craig S. Lent, Electrical Engineering
Mark J. McCready, Chemical Engineering
Jean Porter, Theology
F. Clark Power, Program of Liberal Studies
Vera B. Profit, German and Russian Languages and Literatures
Charles M. Rosenberg, Art, Art History and Design
Daniel T. Simon, Accountancy

To Endowed Professor

Alan Gunn, John N. Matthews Professor of Law
Catherine Mowry LaCugna, Nancy R. Dreux Professor of Theology
Naomi M. Meara, Nancy R. Dreux Professor of Psychology
Marvin J. Miller, George and Winifred Clark Professor of Chemistry
Stephan A. Stolz, John A. Zahm, C.S.C., Professor of Mathematics

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

Classical and Oriental Languages and Literatures

Ge, Liangyan

- L. Ge. 1995. The writer learns to babble: The textualization of the *Shui-hu chuan*. *Tamkang Review* 25 (2): 95-123.

Economics

Ghilarducci, Teresa

- T. Ghilarducci. 1995. Pensions in an international perspective: Privatizing and contested control. *Review of Radical Political Economics* 27 (3): 60-71.
- T. Ghilarducci. 1995. Review of Women and unions: Forging a partnership, ed. D. S. Cobble. *Science & Society* 59 (2): 231-234.
- T. Ghilarducci, G. Mangum, J. S. Petersen and P. Philips. 1995. *Portable pension plans for casual labor markets: Lessons from the operating engineers central pension fund*. Westport, Conn.: Quorum Books. i-xiv + 199 pp.

Goulet, Denis A.

- D. Goulet. 1996. El Desarrollo: Un Medio y No Un Fin. *CUADERNOS DE MARCHA*, Tercera Epoca. Año X, No. 114 (Abril): 81-88. Interview of D. Goulet by E. Gudynas.

English

O'Rourke, William A.

- W. O'Rourke. 1996. *NOTTS*. New York: Marlowe & Company. 241 pp.

Taylor, Kymberly B.

- K. B. Taylor. 1995. The Hunter. *Hawaii Review* 44 19.2:123-124. Poem.

Government and International Studies

Arnold, Peri E.

- P. E. Arnold. 1996. Review of *The American Presidency: An Intellectual History*, by F. McDonald. *Journal of Interdisciplinary History* 26 (4): 720-721.

O'Donnell, Guillermo

- G. O'Donnell. 1996. Illusions about consolidation. *Journal of Democracy* 7 (2): 32-51.

History

Miscamble, Wilson D., C.S.C.

- W. D. Miscamble, C.S.C. 1996. Revisionism revised. Review of *Harry S. Truman: A life*, by R. H. Ferrell. *The Review of Politics* 58 (2): 426-430.

Nugent, Walter

- W. Nugent. 1996. Review of *Minorities in Phoenix: A profile of Mexican American, Chinese American, and African American communities, 1860-1992*, by B. Luckingham. *American Historical Review* 101 (April): 580.

Psychology

Borkowski, John G.

- N. Muthukrishna and J. G. Borkowski. 1996. Constructivism and the motivated transfer of skills. In *Motivation in mathematics*, ed. M. Carr, 63-86. Cresskill, N.J.: Hampton Press.

J. G. Borkowski and T. L. Dukewich. 1996.

- Environmental covariations and intelligence: How attachment influences self-regulation. In *Current topics in human intelligence*, ed. D. Detterman, 3-15. Norwood, N.J.: Ablex.

L. Turner, C. Hale and J. G. Borkowski. 1996. Influence of intelligence on memory development. *American Journal of Mental Retardation* 100:468-480.

J. G. Borkowski and J. Burke. 1996. Trends in the development of theories, models, and measurement of executive functioning: Views from an information processing perspective. In *Attention, memory, and executive functioning*, eds. G. R. Lyon and N. A. Krasnegor, 235-262. Baltimore, Md.: P. H. Brookes.

N. Muthukrishna and J. G. Borkowski. 1995. How learning contexts facilitate strategy transfer. *Applied Cognitive Psychology* 9:1-22.

J. G. Borkowski and J. D. Day. 1995. Insegnare la generalizzazione delle strategie: creare convinzioni positive relative al successo e costruire i possibili sé. In *Handicape apprendimento*, eds. C. Cornoldi and R. Vianello, 9-21. Bergamo, Italy: Edizioni Junior.

J. G. Borkowski and N. Muthukrishna. 1995. Learning environments and skill generalization: How contexts facilitate regulatory processes and efficacy beliefs. In *Memory performance and competencies: Issues in growth and development*, eds. F. Winert and W. Schneider, 283-300. Hillsdale, N.J.: Erlbaum.

J. G. Borkowski and N. Muthukrishna. 1995. Learning environments and skill generalization: How contexts facilitate regulatory processes and efficacy beliefs. In *Metacognitive disturbi di apprendimento e handicap*, eds. R. Vianello and C. Cornoldi. Bergamo, Italy: Edizione Junior.

E. Rellinger, J. G. Borkowski, L. Turner and C. Hale. 1995. Perceived task difficulty and intelligence: Determinants of strategy use. *Intelligence* 19:203-221.

THE GRADUATE SCHOOL OFFICE OF RESEARCH

Romance Languages and Literatures

Moevs, Christian R.

C. Moevs. 1996. Review of *Dante's journey of sanctification*, by A. Mastrobuono. *Envoi: A Review Journal of Medieval Literature* 3.2 (Autumn 1992): 537-540.

C. Moevs. 1996. Review of *Mismapping the underworld: Daring and error in Dante's comedy*, by J. Kleiner. *Annali d'italianistica* 13:473-476.

Theology

LaCugna, Catherine Mowry

C. Mowry LaCugna. 1996. Re-conceiving the trinity as the mystery of salvation. Reprinted in *Readings in modern theology. Britain and America*, ed. R. Gill, 112-122. Abingdon, 1993.

C. Mowry LaCugna. 1995. How can I find God? *America* (30 Sept.):21.

Ulrich, Eugene C.

P. W. Skehan, E. Ulrich and P. W. Flint. 1995. Two manuscripts of Psalm 119 from Qumran Cave 4. *Revue de Qumran* 16 (64): 477-486.

COLLEGE OF SCIENCE

Biological Sciences

Fraser, Malcolm J., Jr.

Z. H. Lee, L. Hou, G. Moellmann, E. Kuklinska, K. Antol, M. Fraser, R. Halaban and B. S. Kwon. 1996. Characterization and subcellular localization of human Pmel 17/silver, a 100-kDa (Pre)melanosomal membrane protein associated with 5,6-dihydroxyindole-2-carboxylic acid (DHICA) converting activity. *Journal of Investigative Dermatology* 106:605-610.

Physics

Barabási, Albert-László

A-L. Barabási. 1996. Invasion percolation and global optimization. *Physical Review Letters* 76 (20): 3750-3753.

Mathews, Grant J.

G. J. Mathews, T. Kajino and M. Orito. 1996. Inhomogeneous primordial nucleosynthesis and new abundance constraints on $\Omega_b h^2$. *The Astrophysical Journal* 456:98-105.

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COLLEGE OF ENGINEERING

Aerospace and Mechanical Engineering

Batill, Stephen M.

R. Sellar, M. Stelmack, S. M. Batill and J. E. Renaud. 1996. Response surface approximations for discipline coordination in multidisciplinary design optimization. In *37th AIAA/ASME/ASCE/AMS/ASC Structures, Structural Dynamics, and Materials Conference Proceedings*, 583-593. Reston, Va.: AIAA.

Corona, Edmundo

E. Corona and S. P. Vaze. 1996. Buckling of elastic-plastic square tubes under bending. *International Journal of Mechanical Science* 38 (7): 753-775.

Renaud, John E.

See under Batill, Stephen M. 1996. *37th AIAA/ASME/ASCE/AMS/ASC Structures, Structural Dynamics, and Materials Conference Proceedings*, 583-593.

Thomas, James P.

J. P. Thomas and C. E. Chopin. 1996. Modeling of hydrogen transport in cracking metal systems. In *Hydrogen effects in materials*, eds. A. W. Thompson and N. R. Moody, 233-242. Warrendale, Pa.: The Minerals, Metals and Materials Society.

Civil Engineering and Geological Sciences

Spencer, Billie F., Jr.

K. Sobczyk, S. Wedrychowicz and B. F. Spencer Jr. 1996. Dynamics of structural systems with spatial randomness. *International Journal of Solids Structures* 33 (11): 1651-1669.

B. F. Spencer Jr., S. J. Dyke, P. Quast, M. K. Sain and J. D. Carlson. 1996. Idealized model of a magnetorheological damper. In *Proceedings of the 12th Conference on Analysis and Computation*, 1277-1287. Chicago, Ill.: ASCE. April 15-18.

Y. Fujino, T. T. Soong and B. F. Spencer Jr. 1996. Structural control: Basic concepts and applications. In *Proceedings of the ASCE Structures Congress XIV*, 361-370. Chicago, Ill.: ASCE. April 15-18.

K. Sobczyk and B. F. Spencer Jr. 1995. Random microstructural effects on fatigue accumulation. *International Journal of Fatigue* 17 (8): 521-530.

Electrical Engineering

Bernstein, Gary H.

R. Frankovic, G. H. Bernstein and J. J. Clement. 1996. Pulsed-current duty cycle dependence of electromigration-induced stress generation in aluminum conductors. *IEEE Electron Device Letters* 17 (5): 244-246.

THE GRADUATE SCHOOL OFFICE OF RESEARCH

Sain, Michael K.

See under Civil Engineering and Geological Sciences;
Spencer, Billie F., Jr. 1996. In *Proceedings of the 12th
Conference on Analysis and Computation*, 1277-1287.
Chicago, Ill.: ASCE. April 15-18.

SCHOOL OF ARCHITECTURE

Economakis, Richard M.

R. Economakis. 1996. Extension to a Mediterranean
town, Nisyros, Greece. In *Rinascimento urbano*, ed. G.
Tagliaventi, 284. Bologna, Italy: Grafis Edizioni.

COLLEGE OF BUSINESS ADMINISTRATION

Management

Vecchio, Robert P.

R. P. Vecchio and W. R. Norris. 1996. Predicting
employee turnover from performance, satisfaction
and leader-member exchange. *Journal of Business and
Psychology* 10:381-393.

THE JOAN B. KROC INSTITUTE FOR INTERNATIONAL PEACE STUDIES

Väyrynen, Raimo

R. Väyrynen. 1996. Schweizerische Identität zwischen
Souverenität und Integration. In W. Linder, P.
Lanfranchi and E. Weibel eds., *Schweizer Eigenart -
Eigenartige Schweiz. Der Kleinstaat im Kräftefeld der
europäischen Integration*. Bern: Haupt Verlag, 245-261.

RADIATION LABORATORY

Hug, Gordon L.

G. L. Hug, B. Marciniak and K. Bobrowski. 1996.
Sensitized photo-oxidation of sulfur-containing
amino acids and peptides in aqueous solution. *Journal
of Photochemistry and Photobiology A: Chemistry* 95 (1):
81-88.

LaVerne, Jay A.

J. A. LaVerne. 1996. Development of radiation
chemistry studies of aqueous solutions with heavy
ions. *Nuclear Instruments and Methods in Physics
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Mozumder, Asokendu

A. Mozumder. 1996. Thermodynamics of electron
trapping and of some reversible attachment-
detachment reactions in liquid hydrocarbons. *Journal
of Physical Chemistry* 100 (14): 5964-5969.

Wang, Yicheng

B. L. Peko, R. L. Champion and Y. Wang. 1996.
Destruction cross sections for low energy collisions of
H₃⁺ and D₃⁺ with rare gas atoms. *Journal of Chemical
Physics* 104 (16): 6149-6153.

THE GRADUATE SCHOOL OFFICE OF RESEARCH

Awards Received and Proposals Submitted

In the period April 1, 1996, through April 30, 1996

AWARDS RECEIVED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	9	494,370	14	536,943	23	1,031,313
Facilities and Equipment	0	0	0	0	0	0
Instructional Programs	0	0	1	15,000	1	15,000
Service Programs	0	0	3	25,126	3	25,126
Other Programs	<u>1</u>	<u>161,810</u>	<u>1</u>	<u>1,266</u>	<u>2</u>	<u>163,076</u>
Total	10	656,180	19	578,335	29	1,234,515

PROPOSALS SUBMITTED

Category	Renewal		New		Total	
	No.	Amount	No.	Amount	No.	Amount
Research	14	1,458,142	13	1,118,797	27	2,576,939
Facilities and Equipment	0	0	0	0	0	0
Instructional Programs	1	189,993	1	372,765	2	562,758
Service Programs	0	0	0	0	0	0
Other Programs	<u>5</u>	<u>83,000</u>	<u>3</u>	<u>33,000</u>	<u>8</u>	<u>116,000</u>
Total	20	1,731,135	17	1,524,562	37	3,255,697

THE GRADUATE SCHOOL OFFICE OF RESEARCH

Awards Received

In the period April 1, 1996, through April 30, 1996

AWARDS FOR RESEARCH

Aerospace and Mechanical Engineering

Jumper, E.
High Cycle Fatigue Correction Program
U.S. Air Force Academy
\$24,900 24 months

Biological Sciences

Feder, J.
REU Supplement to Career Grant
National Science Foundation
\$5,000 36 months

Bridgham, S., Kellogg, C.
Statement of Environmental Interest/Save the Dunes
Council
Save the Dunes Council
\$1,000 12 months

McAbee, D.
Hepatic Metabolism of Lactoferrin
National Institutes of Health
\$146,638 12 months

Civil Engineering and Geological Sciences

Spencer, B., Sain, M.
REU Supplement to Reliability and Safety of Structures
National Science Foundation
\$10,000 42 months

Pyrak-Nolte, L.
Computer-Aided Visualization of Crack and Fracture
Geometry
Department of the Navy
\$74,415 36 months

Westerink, J.
Enhancements of ADCIRC for Inlets
U.S. Army Corps of Engineers
\$90,219 60 months

Makris, N., Hill, D.
NSF REU Supplement
National Science Foundation
\$10,000 42 months

Chemical Engineering

McCready, M., Chang, H., et al.
Fundamental Processes of Atomization
National Aeronautics and Space Administration
\$129,996 48 months

Varma, A.
U.S.-Russia-Belarus Joint Co-operative Research
National Science Foundation
\$67,736 12 months

Chemistry and Biochemistry

Wiest, O.
DFT Studies of Radical Ion Structure and Reactivity
Maui Computing Center
\$0 12 months

Blasquez, V.
Structure/Function of Chromatin in B-Cell
Development
National Institutes of Health
\$106,246 12 months

Computer Science and Engineering

Sha, H.
Equipment Supplement to NSF CAREER Award
National Science Foundation
\$25,000 36 months

Lumsdaine, A.
Parallelism for Computational Science and Engineering
National Science Foundation
\$42,225 24 months

Electrical Engineering

Huang, Y., Costello, D., et al.
Robust Transmission of Compressed Images over Noisy
Channels
Lockheed Martin Corp.
\$50,000 8 months

Costello, D.
Modulation and Coding Theory
Magnavox Electric Systems Co.
10,000 12 months

Government and International Studies

McAdams, A.
German Democracy and the History of the GDR
J.D. and C.T. MacArthur Foundation
\$48,776 15 months

Graduate School

Diffley, P.
Graduate Research Fellowship for Joshua S. Tullis
National Science Foundation
23,000 12 months

Graduate Research Fellowship for Chever H. Kellogg
National Science Foundation
\$23,000 12 months

THE GRADUATE SCHOOL OFFICE OF RESEARCH

Mathematics

Pillay, A.
Topics in Model Theory
National Science Foundation
\$27,000 24 months

Physics

Furdyna, J., Dobrowolska-Furdyna, M.
Tetrahedrally Coordinated II-VI Semiconductors (NSF/MRG)
Purdue University
\$96,750 39 months

Theology

Ulrich, E., VanderKam, J.
The Publication of Four Volumes of Dead Sea Scrolls
Oxford Centre for Hebrew Studies
\$10,600 24 months

South Bend Center for Medical Education

Kingsley, R.
Effects of Neuroactive Peptides on Corneal Wound Healing
I.U. School of Medicine
\$8,812 24 months

AWARDS FOR INSTRUCTIONAL PROGRAMS

Chemical Engineering

Brennecke, J., Stadtherr, M.
Environmentally Conscious Chemical Process Design Course
C. & H. Dreyfus Foundation, Inc.
\$15,000 16 months

AWARDS FOR SERVICE PROGRAMS

Center for Continuing Formation in Ministry

Lauer, E.
Center for Continuing Formation in Ministry
Various Others
\$19,778 1 month

ND Center for Pastoral Liturgy

Bernstein, E.
Center for Pastoral Liturgy
Various Others
\$422 1 month
Center for Pastoral Liturgy
Various Others
\$4,926 1 month

AWARDS FOR OTHER PROGRAMS

Aerospace and Mechanical Engineering

Lucey, J., Berry, W., et al.
Industrial Assessments
Rutgers University
\$161,810 12 months

South Bend Center for Medical Education

O'Malley, J.
Internet Library Services for Indiana Medical Education
I.U. School of Medicine
\$1,266 12 months

THE GRADUATE SCHOOL OFFICE OF RESEARCH

Proposals Submitted

In the period April 1, 1996, through April 30, 1996

PROPOSALS FOR RESEARCH

Aerospace and Mechanical Engineering

- Schmid, S.
Environmentally Conscious Can Manufacture
National Science Foundation
\$219,397 36 months
- Renaud, J.
National Science Foundation National Young
Investigator
National Science Foundation
\$64,886 36 months
- Jumper, E.
High Cycle Fatigue Correction Program
U.S. Air Force Academy
\$24,900 24 months

Biological Sciences

- Esch, H.
Navigation in Bees
Whitehall Foundation, Inc.
\$82,810 36 months
- Adams, J.
Molecular Analysis of Apical Organelles of Plasmodium
National Institutes of Health
\$93,922 12 months
- Bender, H.
Human Genetics Program — Regional Genetics Center
Indiana State Department of Health
\$211,860 24 months

Civil Engineering and Geological Sciences

- Spencer, B., Kirkner, D.
Aircraft Wheel Life Prediction and Assessment
Systems Research Labs, Inc.
\$43,032 5 months
- Makris, N., Hill, D.
NSF REU Supplement
National Science Foundation
\$10,000 12 months
- Neal, C.
Lunar Origina and Evolution
National Aeronautics and Space Administration
\$49,732 24 months
- Pyrak-Nolte, L.
NSF — Young Investigator Award
National Science Foundation
\$235,226 60 months

- Rigby, J.
PGE and Au Anomalies Across the K-T Boundary
National Aeronautics and Space Administration
\$97,677 24 months

Chemical Engineering

- Brennecke, J., Stadtherr, M.
REU Supplement to CTS 95-22835
National Science Foundation
\$5,000 6 months
- McGinn, P.
Critical Current Density in YBCO Superconductors
Purdue University
\$69,435 12 months
- Fabrication of Long Length YBCO Wires
Purdue University
\$10,000 12 months

Chemistry and Biochemistry

- Castellino, F.
Structure/Function Studies on Plasminogen and
Plasmin
National Institutes of Health
\$389,403 12 months
- Thomas, J.
Radiation Induced Polymerization
National Science Foundation
\$385,514 36 months

Computer Science and Engineering

- Kogge, P.
Scalable Spaceborne Computing Using PIM Technology
Jet Propulsion Laboratory
\$99,959 12 months
- Kogge, P., Lumsdaine, A.
REE Support Study
Loral Federal Systems Co.
\$25,000 5 months

Government and International Studies

- McAdams, A.
German Democracy and the History of the GDR
J.D. and C.T. MacArthur Foundation
\$48,776 15 months

Physics

- Mathews, G.
Instabilities in Coalescing Neutron Stars
National Aeronautics and Space Administration
\$30,000 12 months

THE GRADUATE SCHOOL OFFICE OF RESEARCH

Blackstead, H.

Microwave and Optical Studies of HTSC
Purdue University
\$145,448 12 months

Ruggiero, S.

Transport Properties of YBCO Thin Films
Purdue University
\$65,784 12 months

Cason, N., LoSecco, J., et al.

Equipment for Brookhaven Experiment E-852
Brookhaven National Laboratory
\$136,000 17 months

Kolata, J.

Academic Year Undergraduate Research
National Science Foundation
\$10,000 12 months

Nuclear Physics/Astrophysics
National Science Foundation
\$11,178 2 months

Schiffer, P.

Magnetic X-Ray Scattering Studies of GGG
Brookhaven National Laboratory
\$2,000 1 months

Program of Liberal Studies

Power, F.

NAFSA Grant for Graduate Student Stipend
NAFSA/Association of International Educators
\$10,000 22 months

PROPOSALS FOR INSTRUCTIONAL PROGRAMS

O.S.I.P.A.

Borelli, M.

CANDAX McNair
Department of Education
\$189,993 12 months

Physics

LoSecco, J., Cason, N., et al.

Research in High Energy Physics
Department of Energy
\$372,765 12 months

PROPOSALS FOR OTHER PROGRAMS

Electrical Engineering

Porod, W.

International Workshop on Computational Electronics
Department of the Navy
\$10,000 12 months
International Workshop on Computational Electronics
Department of the Army
\$6,000 12 months

Office of Executive Vice President

Roemer, J.

NYSP-ND
NCAA
\$47,000 12 months

Facilities Operations

Shumaker, G.

Energy Use Analysis and Feasibility Studies
Indiana Department of Commerce
\$17,000 12 months

Institute for International Peace Studies

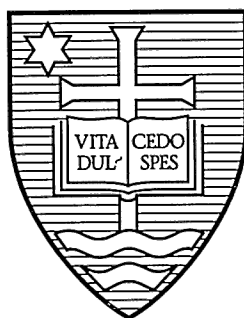
Hayner, A.

NAFSA Grant for Lucia Cebotaru
NAFSA/Association of International Educators
\$10,000 12 months
NAFSA Grant for Vadim Roussin
NAFSA/Association of International Educators
\$10,000 12 months
NAFSA Grant for Dmytro Konovalov
NAFSA/Association of International Educators
\$10,000 12 months

Urban Institute for Community and Educational Initiatives

Blake-Smith, D., Smith, R.

Upward Bound Program
Indiana Department of Education
\$6,000 2 months



NOTRE DAME REPORT

Volume 25, Number 18

June 14, 1996

Notre Dame Report (USPS 707-080) is an official publication published fortnightly during the school year, monthly in the summer, by the University of Notre Dame, Office of the Provost. Second-class postage paid at Notre Dame, Indiana. *Postmaster:* Please send address corrections to: Records Clerk, Department of Human Resources, Security Building, University of Notre Dame, Notre Dame, IN 46556.

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