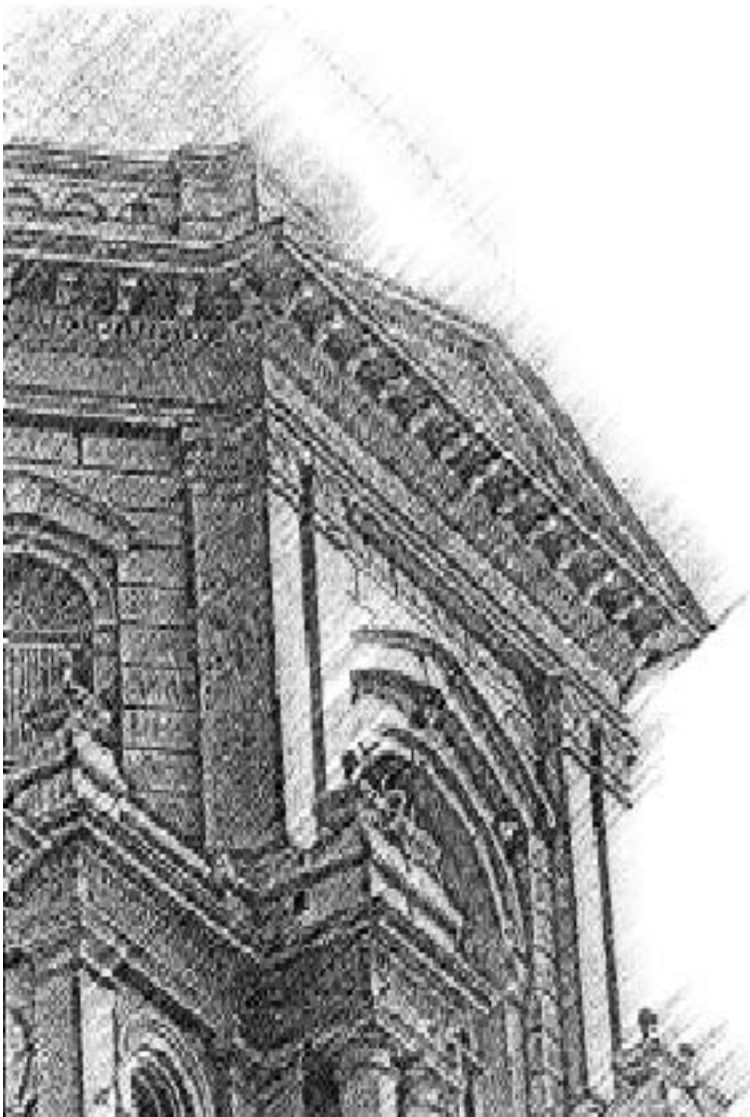


# Notre Dame Report



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# Faculty Notes

## Honors

**Michael Detlefsen**, the McMahan-Hank Professor of Philosophy, was awarded a *Senior Chaire d'excellence*, by the Agence Nationale de la Recherche, France, for his work on ideals of proof; and is serving as distinguished invited professor at the Univ. of Nancy 2 during the 2007–08 and 2010–11 academic years, and as distinguished invited professor at the Univ. of Paris-Diderot during the 2008–09 and 2009–10 academic years. In the spring of 2009, he will also be an invited scholar and lecturer in the College de France.

**John Duffy**, the O'Malley Director of the University Writing Program and associate professor of English, has been appointed to the Committee on Disability Issues in College Composition (CDICC), an advisory committee to the National Council of English Teachers and the Conference of College Composition and Communication. The CDICC advises on policy issues relating to access and inclusion for students and faculty with disabilities; develops curricular materials and bibliographies relating to Disability Studies; and educates the general public on disability issues.

**Ralph McInerney**, the Grace Chair in Medieval Studies, received the *Pro Deo et Patria* medal from Christendom College at their commencement on May 10, 2008.

**Joseph W. Thomas**, librarian and head of the Kresge Law Library Technical Services Dept., was awarded the 2008 Renee D. Chapman Memorial Award for Outstanding Contributions in Technical Services Law Librarianship at the American Association of Law Libraries annual meeting July 13, 2008, in Portland, Ore.

## Activities

**J. Douglas Archer**, librarian, was a member of the "Intellectual Freedom 101" panels at the American Library Association annual conference in Anaheim, Calif., June 27–28, 2008.

**Harvey A. Bender**, professor of biological sciences, delivered a Hesburgh Lecture and participated in the annual meeting of the American College of Medical Genetics in Phoenix, Ariz., March 12–16, 2008.

**Nora Besansky**, professor of biological sciences, was an invited speaker at the "Genetic Epidemiology of Malaria Conference" at Hinxton, Cambridshire, United Kingdom, June 13–18, 2008, where she presented "Recombination, Adaptation and Speciation in *An. gambiae*."

**Mark A. Caprio**, professor of physics, presented "Quantum Phase Transitions in Finite Many-Body Systems" at the American Chemical Society national meeting in New Orleans, April 8, 2008.

**Daniel M. Chipman**, professional specialist in the Radiation Laboratory, presented "Dielectric Continuum Model of Solvent Effects on Electronic Structure" at the Central East Regional ACS meeting, Columbus, Ohio, June 11–14, 2008.

**Michael Detlefsen**, the McMahan-Hank Professor of Philosophy, presented the following invited talks: "Purity of Proof and Understanding" at the international workshop on mathematical understanding, Dept. de la Histoire et la Philosophie des Sciences, Univ. of Paris-Diderot, June 9–13, 2008; "On the Nature and Value of Construction" at the Institut d'histoire et de philosophie des sciences et des techniques, Paris, on April 24; "Discovermental Complexity and the Evaluation of Hilbert's Program" at the Dept. de la Histoire et de Philosophie des Sciences, Univ. of Nancy 2, on March 7; "Varieties of Completeness" as the inaugural lecture, ANR senior chaire d'excellence, Univ. of Paris-Diderot, on Feb. 8; "Ideals of Proof" as the inaugural lecture, ANR senior chaire d'excellence, Univ. of Nancy 2, Jan. 30; "Ideals of Proof: An Overview" at Maison des Sciences de l'Homme, Lorraine, on Dec. 7, 2007; "Ideals of Proof: An Overview" at the Dept. de la Histoire et de Philosophie des Sciences, REHSEIS, Univ. of Paris-Diderot, on Dec. 4;

"Discovery vs. Invention in the History of Mathematics" at the "Mathematics and Its Significance, Templeton Foundation Symposium," Castel Gandolfo, Italy, June 21–23; "Arithmetization and the Ideals of Proof" for the Dept. de la Histoire et de Philosophie des Sciences, Univ. of Paris-Diderot and REHSEIS, June 18–19; "Some Questions Concerning Proof" as an invited discussant in "Workshop in the History and Philosophy of Mathematics," Dept. de la Histoire et de Philosophie des Sciences, U. of Paris-Diderot and REHSEIS, June 13–14; and "Construction and Exhibition" to the "Indiana Univ.-Bloomington Logic Colloquium," Bloomington, on April 25, 2007.

**Alan Dowty**, professor emeritus of political science, presented "The Arab Question in the First Aliyah" and "Israel Studies—the International Dimension" at the "Colloquium on Trends and Challenges in Studies of the State of Israel" at the Ben-Gurion Institute for the History of Israel and Zionism, Sde Boker, Israel, June 3, 2008. He was also interviewed on U.S. policy in the Middle East, Radio Free Europe, on May 13.

**Giles Duffield**, assistant professor of biological sciences, attended the Society for Research on Biological Rhythms meeting in San Destin, Fla., May 16–25, where his lab presented two posters: "Inhibitor of DNA Binding 2 (Id2) is a Circadian Rhythm Expressed Gene Required for Circadian Clock Output in the Mouse Liver," by T. Hou, N.P. Watson, M.A. Israel, and Duffield; and "Serum Induction of Period1 Gene Expression is Increased in Id2 Null Mouse Embryonic Fibroblasts: A Correlate for Enhanced Photic Phase Shifts in Id2 Null Mice" by S.M. Ward, T. Hou, and Duffield.

**William G. Dwyer**, Hank Professor of Mathematics, was one of two featured speakers at a workshop on homotopical group theory and topological algebraic geometry held at the Univ. of Copenhagen, Denmark, June 16–20, 2008, where he presented a series of 10 lectures on homotopical group theory; was an invited plenary lecturer at a follow-on conference on the same topic held in Bonn, Germany, June 23–27; and, on June 23, delivered a keynote address titled "The Work of Haynes Miller in Algebraic Topology."

**Ed Edmonds**, associate dean for library and information technology in the Kresge Law Library, presented “Earl Toolson and His Legacy in Baseball’s Labor History” at the “15th Annual NINE Spring Training Conference on the Historical and Sociological Impact of Baseball,” in Tucson, Ariz., March 15, 2008; and “Carl Mays, the Rise of the New York Yankees and the Demise of Ban Johnson’s Influence on the American League” at the “Twentieth Cooperstown Symposium on Baseball and American Culture,” June 4–6.

**Jeff Feder**, professor of biological sciences, presented a poster titled “Global Linkages of Biology, the Environment, and Society” at a meeting on invasive species held at the Univ. of Minnesota, March 2–5, 2008.

**Malcolm J. Fraser Jr.**, professor of biological sciences, presented “Progress Towards Developing Group I Intron-Based Death upon Infection Strategies Against DENV” at the “Genetic Strategies for Controlling Dengue” in Irvine, Calif., June 2–6; and “Developing Novel Transgenic Ribozyme Strategies for Suppression of Dengue Fever” at the “Fifth International Workshop on Insect Transgenesis and Genomics” held in Pacific Grove, Calif., June 15–19.

**Umesh Garg**, professor of physics, presented “Nuclear Incompressibility, Symmetry Energy, and Neutron Stars” at the “JPS Seminar” in the Physics Dept., Osaka Univ., Japan, May 28, 2008; and an invited talk titled “The Symmetry Term of Nuclear Incompressibility via the Giant Monopole Resonance” at the “Gordon Research Conference on Nuclear Chemistry,” Colby-Sawyer College, New London, N.H., June 15–20, where he also served as a discussion leader on the topic of symmetry energy and astrophysics.

**Paul Helquist**, professor of chemistry and biochemistry, presented an invited lecture titled “Collaborative Drug Development Strategies for Niemann-Pick Type C Disease” at the annual scientific meeting of the Ara Parseghian Medical Research Foundation in Tucson, Ariz., on June 6, 2008; and presented the invited lecture “Recent Studies in Medicinal Organic Chemistry” at Organikerdagarn in Ahus, Sweden, on June 12.

**Bei Hu**, professor of mathematics, presented an invited plenary talk titled “PDE

Free Boundary Problems in Tumor Models” at the 11th “Free Boundary Problems Conference,” June 9–13, Royal Institute of Technology, Stockholm, on June 11, 2008, and an invited talk of the same title at the “Seminar on Mathematical Biosciences,” Denmark Technical Univ., Copenhagen, on June 6.

**David R. Hyde**, professor of biological sciences, presented “Role of Muller Glia in Regeneration of Rod and Cone Photoreceptors” at the annual Association for Research in Ophthalmology and Vision Conference in Ft. Lauderdale, Fla., April 26–May 1, 2008.

**Prashant V. Kamat**, professor of chemistry and biochemistry, senior scientist in the Radiation Lab, and concurrent professor of chemical and biomolecular engineering, organized a symposium and presented “Decorating Carbon Nanotubes and Graphene with Semiconductor and Metal Nanoparticles” (coauthors: B. Patrick and staff member **Ryan Muszynski**) and “Electron Storage and Charge Equilibration in SWCNT-Semiconductor Nanoparticles (coauthor: A. Kongkanand) at the annual meeting of the Electrochemical Society, May 18–22, 2008, in Phoenix, Ariz. Prof. Kamat also coauthored the paper presented by graduate student **David Baker**, “Deposition of CdS Quantum Dots on Electrochemically Etched TiO<sub>2</sub> Nanotubes for Solar Cell Applications,” and graduate student **Kevin Tvrdy**, “Charge Injection from Excited CdSe into TiO<sub>2</sub> Nanoparticles.” Kamat presented “Quantum Dot Solar Cells: Modulation of Photoresponse with Particle Size and I-D Support Architecture (written with A. Kongkanand, K. Tvrdy, P. Brown, and I. Robel) at the “Thirteenth DOE Solar Photochemistry Research Conference,” June 1–4, in Wintergreen, Va., and “CdSe Quantum Dot–TiO<sub>2</sub> Nanotube Architectures for Solar Cells” (coauthors: David Baker, Kevin Tvrdy, and A. Kongkanand) at the “International Conference from Nanoparticles and Nanomaterials to Nanodevices and Nanosystems (IC4N),” Halkidiki, Greece, June 16–18. Kamat also presented “Light Energy Conversion” at the “Conference on Complex and Nanostructured Materials for Energy Applications,” June 22–26, at Michigan State Univ., Lansing.

**Sandra Klein**, associate librarian, Kresge Law Library, was a panel moderator for the Acquisitions Forum at the 16th annual “Innovative Users Group Conference,” April 27–30, 2008 in Washington, D.C.

**John LoSecco**, professor of physics, presented “Neutron Detection Efficiency Studies” and “Simulating a Two Detector  $\theta_{13}$  Measurement,” at the Double Chooz Collaboration Meeting, Champagne-Ardennes, France, on June 27, 2008.

**Cynthia Mahmood**, associate professor of anthropology, presented the invited lectures “Speech and the Definition of Humanity” at Simon Fraser Univ., Vancouver, British Columbia, and “Gender Equality in Contexts of Violence” at Kwantlen College, Surrey, British Columbia, in June; appeared in the programs “Human Rights and the Sikh Dilemma” on CBC radio and television (Canada) and “Rights, Fears and Multiculturalism” on Channel M in Vancouver; and presented “Saying No to Silence” at the Human Rights Forum in Vancouver, in June 2008.

**Dan Meisel**, professor of chemistry and biochemistry, presented “Stages in Photochemical Solar Conversion: Catalytic H<sub>2</sub> Evolution as the Particles See It” (written with G. Merga, L. Cass, and D. Chipman) at the DOE Solar Photochemistry Meeting, Wintergreen, Va., June 1–4, 2008.

**Bruce Noll**, professor of chemistry and biochemistry, presented his work at a 2008 meeting of the American Crystallographic Association on Knoxville, Tenn., on June 3, 2008, in a talk titled “Crystal Packing in the Thiirage-Based Gelatinase Inhibitor(s)-4-4(4-(Thiiran-2-Ylmethyl Sulfonyl) Phenoxyphenyl Methanesulfonate.”

**Jeffrey W. Peng**, assistant professor of chemistry and biochemistry, was an invited speaker at the Univ. of Pittsburgh, Molecular Biophysics and Structural Biology Dept. on May 25, 2008, where he presented “Functional Dynamics and Modular Protein”; and an invited speaker at the “Gordon Conference on Computational Aspects” at Biomolecular NMR, in Barga, Italy, on May 21, where he presented “A Site-to-Site Communication Mechanism in Modular Proteins?”

**Morris Pollard**, professor emeritus of biological sciences and director of the

Lobund Laboratory, presented “Prostate Cancer—State of Animal Models” at the “Joint Symposium for the International Association of Gnotobiology and Society of Microbial Ecology and Disease” sponsored by the Karolinska Institute in Djuronasets Kursgard, Stockholm, May 22–31.

**Charles M. Rosenberg**, professor in the Dept. of Art, Art History, and Design, presented “The Art of Numismatics: Invention and Tradition in Italian Renaissance Coinage” at the summer meetings of the Royal and British Numismatics Societies, Caius and Gonville College, Cambridge, England, on July 5, 2008.

**Bradley Smith**, professor of chemistry and biochemistry, from May 27 through June 11, 2008, was on a lecture tour in Japan at six universities and his talk at each was “Molecular Imaging of Cancer and Bacterial Infection.”

**Julia Adeney Thomas**, associate professor of history, presented the keynote address “The Seen, the Unseen, and the Unseeing: The Showa Emperor and Photography” in celebration of the East Asian Library Resources and East Asian Studies, at the Univ. of Maryland, May 2, 2008; and “Raw Photographs and Cooked Culture: Photography’s Ambiguous Place in the National Museum of Modern Art, Tokyo,” at the symposium “Thinking About Museums, Exhibits, and the Modern City—Some Points of Departure,” Univ. of Irvine, Calif., on May 29.

**Kevin Vaughan**, associate professor of biological sciences, presented “Phosphorylation Controls Location of Dynein to Kinetichores During Mitosis” at a research seminar at ABCAM meeting on mitosis and cell division in Worcester, Mass., May 18–20, 2008; and presented the session “NPC Mutations Disrupt Dynein Driven Organelle Transport” at the Parseghian Foundation meeting in Tucson, June 4–16.

**Samir Younés**, the Rooney Director of Rome Studies, presented a one-day seminar titled “The Courtyards of Roman Palazzi” to the School of Architecture of Hampton Univ., Rome, June 6, 2008.

## Publications

**J. Douglas Archer**, librarian, contributed “Intellectual Freedom at ALA in Anaheim” to *Focus on Indiana Libraries* 62, No. 6 (2008): 13; “From the Chair: Consider Council” to the *IFRT Report* 68 (2008): 4; and “Information Tips and Sources: Scriptures/Sacred Books for Peace and Conflict Studies, Part 3” to *The Peace Chronicle: the Newsletter of the Peace and Justice Studies Association* (spring 2008): 22–23.

**Mark A. Caprio**, professor of physics, published “Excited State Quantum Phase Transitions in Many-Body Systems” with P. Cejnar and F. Iachello, *Annals of Physics* 323 (2008): 1106–35.

**Kevin J. Christiano**, associate professor of sociology, published *Religious Diversity and Social Change: American Cities, 1890–1906* paperback reprint edition (Cambridge, England, and New York: Cambridge Univ. Press, 2007): xvii + 239 pages; *Sociology of Religion: Contemporary Developments* (with W.H. Swatos Jr., and P. Kivisto) second paperback text edition, revised and expanded (Lanham, Md., and New York: Rowman and Littlefield Publishers, Inc., 2008): xiv + 374 pages; “Clio Goes to Church: Revisiting and Revitalizing Historical Thinking in the Sociology of Religion,” the Presidential Address to the Association for the Sociology of Religion, 2006, in *Sociology of Religion: A Quarterly Review* 69 (spring 2008): 1–28; a review of *Watching Quebec: Selected Essays*, by R. Cook (McGill-Queen’s Univ. Press) [in French, translated from the English by M. Ducharme and D.-C. Bélanger] in *Mens: Revue d’histoire intellectuelle de l’Amérique française* 8 (fall 2007): 132–6; and a review of *The Social Origins of the Welfare State: Québec Families, Compulsory Education, and Family Allowances, 1940–1955*, by D. Marshall and translated by N. Doone Danby (Wilfrid Laurier Univ. Press) in *Québec Studies* 44 (winter 2007/spring 2008): 104–06.

**Michael Detlefsen**, the McMahan-Hank Professor of Philosophy, published “Purity as an Ideal of Proof” in *The Philosophy of Mathematical Practice*, P. Mancosu, ed. (Oxford Univ. Press, 2008): 179–97; “Proof: Its Nature and Significance” in *Proof and Other Dilemmas: Mathematics and Philosophy*, B. Gold and R. Simons, eds.

(Mathematical Association of America, 2008): 3–32; and was the subject of an interview in *Philosophy of Mathematics: 5 Questions*, H. Leitgeb and V. Hendricks (eds.) (Automatic Press/VIP, 2007): 87–99.

**Alan Dowty**, professor emeritus of political science, published “Israel’s Nuclear Policy” in B. Neuberger and A. Geronik, eds., *Foreign Policy Between Confrontation and Agreements: Israel 1948–2008* (Raanana: Open University Press, 2008): 467–81 (in Hebrew).

**Thomas Jemielity**, emeritus faculty, published “De Profundis: A Supernatural Tail,” in *Rosebud*, No. 41 (spring 2008): 13–17.

**Prashant V. Kamat**, professor of chemistry and biochemistry, senior scientist in the Radiation Lab, and concurrent professor of chemical and biomolecular engineering, published “Quantum Dot Solar Cells, Electrophoretic Deposition of CdSe-C<sub>60</sub> Composite Films and Capture of Photogenerated Electrons with nC<sub>60</sub> Cluster Shell” with P. Brown, *J. Am. Chem. Soc.* 130, No. 28 (2008): 8890–1.

**Nicolas Lehner**, research assistant professor of physics, published “The High-Velocity Gas Toward Messier 5: Tracing Feedback Flows in the Inner Galaxy” with W.F. Zech (graduate student), **J. Christopher Howk** (assistant professor of physics), W.V.D. Dixon, and T.M. Brown, *Astrophysical Journal* 679 (2008): 460–80; and “A High-Resolution Survey of Low-Redshift QSO Absorption Lines: Statistics and Physical Conditions of O<sub>V1</sub> Absorbers,” written with T.M. Tripp, K.R. Sembach, D.V. Bowen, B.D. Savage, E.B. Jenkins, and P. Richter, *Astrophysical Journal Supplement Series* 177 (2008): 39–102.

**Ralph McInerny**, the Grace Chair in Medieval Studies, edited and translated *The Writings of Charles DeKoninck I* (Notre Dame: Univ. Press, 2008).

**Bruce C. Noll**, research associate professor of chemistry and biochemistry, published “Relative Axial Ligand Orientation in Bis(imidazole)iron(II) Porphyrinates: Are “Picket Fence” Derivatives Different?” (reprint) with J. Li, S.M. Nair, C.E. Schulz, and **W. Robert Scheidt**, the Warren Foundation Chair in Science, *Inorganic Chemistry* 47 (2008): 3841–50.

**Mark R. Schurr**, associate professor of anthropology, published "Stable Carbon- and Nitrogen-Isotope Ratios and Electron Spin Resonance (ESR) g-Values of Charred Bones: Changes with Heating and a Critical Evaluation of the Utility of g-Values for Reconstructing Thermal History and Original Isotope Ratios" with coauthor **Robert G. Hayes**, emeritus faculty, in the *Journal of Archaeological Science* 35 (2008): 2017–31.

**Julia Adeney Thomas**, associate professor of history, published "Power Made Visible: Photography and Postwar Japan's Elusive Reality," as the cover story in *Journal of Asian Studies*, 67, No. 2 (May 2008).

**Samir Younés**, associate professor of architecture and the Rooney Director of Rome Studies, published, in association with **Ettore Mazzola**, visiting assistant professor of architecture, a common project: "Il porto di Pantelleria" in *La Mostra: Città di Pietra, Biennale di Venezia*, M. Fagioli, ed. (Firenze, Italia: Aion Edizioni, 2008): 162–5.

## Correction

In issue 9, it was incorrectly reported that **J. Christopher Howk** presented an invited talk; the talk was a contributed presentation.

# Administrators' Notes

## Activities

**Deanna O'Donnell**, graduate student staff member in the Radiation Laboratory, presented "Time-Resolved Raman Studies of the Electron Adducts of Benzoate Anion in Water," written with G.N.R. Tripathi, at the "63rd International Symposium on Molecular Spectroscopy," Columbus, Ohio, June 16–20, 2008.

## Publications

**Marlene Daut**, Erskine Peters Fellow and graduate student, and **Karen E. Richman**, director of Migration and Border Studies in the Institute for Latino Studies, published "Are They Mad? Nation and Narration in *Tous les hommes sont fous*" in *Small Axe* 26 (2008): 133–48.

**Gordon L. Hug**, retired administrator, Radiation Laboratory, published "Kinetics and Mechanism of Sensitized Photooxidation of Tetramethylammonium Salt of 2-(Phenylthio)Acetic Acid in Solution: Steady-State and Flash Photolysis Studies" with J. Bartoszewicz, H. Kozubek, M. Pietrzak, J. Paczkowski, and B. Marciniak in *Journal of Photochemistry and Photobiology A: Chem* 198 (2008): 250–5.

**Thomas Klepach**, Radiation Lab staff member, published " $^{13}\text{C}$ - $^1\text{H}$  and  $^{13}\text{C}$ - $^{13}\text{C}$  NMR J-Couplings in  $^{13}\text{C}$ -Labeled N-Acetyl-Neuraminic Acid: Correlations with Molecular Structure" with W. Zhang, **Ian Carmichael** (professor and director of the Radiation Lab), and Anthony S. Serianni, professor of chemistry and biochemistry, in *J. Org. Chem.* 73, No. 12 (2008): 4376–87.

**Getahun Merga**, visiting scholar in the Radiation Lab, published "Probing Silver Nanoparticles During Catalytic H<sub>2</sub> Evolution" with staff member **Laura C. Cass**, professional specialist and concurrent professor of chemistry and biochemistry **Daniel M. Chipman**, and professor of chemistry and biochemistry **Dan Meisel**, in *J. Am. Chem. Soc.* 130, No. 22 (2008): 7067–76.

# Documentation

## Faculty Awards

### 2008 REV. JAMES A. BURNS, C.S.C., GRADUATE SCHOOL AWARD

This recipient of the Rev. James A. Burns, C.S.C., Graduate School Award is a leader in developmental psychology, particularly in the field of family processes and children's socio-emotional development. Revered by graduate students because of his exemplary mentoring and training, one of this prolific researcher's many strengths is the ability to consistently involve his graduate students in every aspect of the research process—from developing longitudinal studies to performing actual research to involving them in research publications and presentations. They go on to publish in top journals and to secure placement in prestigious academic and clinical positions. An accessible and excellent teacher as well, he inspires his students to become passionate about their research and its implications for fostering happier and healthier marriages and children.

For his excellence in, and commitment to, graduate education at Notre Dame, we present the Rev. James A. Burns, C.S.C., Graduate School Award to

**E. Mark Cummings**  
*Notre Dame Chair in Psychology*

### 2008 REV. JAMES A. BURNS, C.S.C., GRADUATE SCHOOL AWARD

This recipient of the Rev. James A. Burns, C.S.C. Graduate School Award has made contributions to graduate education that are both broad ranging and exemplary. Held in high esteem by scholars around the world for his research on the development and application of strategies for reliable engineering computing, he has most recently turned his considerable intellect to ecological problems. In numerous tributes to him, this faculty member's graduate students have praised the guidance and mentoring he provides as they progress efficiently to their degrees while, at the same time, being given freedom to mature intellectually.

Beyond his own graduate students, he has advanced the work of all graduate students in his department in his role as Director of Graduate Studies for the past 12 years. Additionally, he has been a key member of the effort to advance the technical and computing capabilities of his college and the University as a whole, thus benefiting all Notre Dame's student and faculty.

For his excellence in, and commitment to, graduate education at Notre Dame, we present the Rev. James A. Burns, C.S.C., Graduate School Award to

**Mark A. Stadtherr**  
*Professor of Chemical and Biomolecular  
Engineering*

### 2008 FACULTY AWARD

The honoree for this year's Faculty Award is a distinguished scholar who came to the University in 1980 as a professor of marketing and as department chair at that time.

This honoree served for seven years consecutively as department chair in the 1980s and is generally recognized as the "architect" of the current department based on significant faculty additions and curriculum changes while maintaining a congenial atmosphere in the department and a commitment to its Catholic character and excellence in undergraduate teaching. Beyond the college, he received the University's Grenville Clark Award. He is a highly recognized and accomplished scholar in consumer behavior and has provided extensive service to the marketing profession, including his efforts as Chairman of the Board for the American Marketing Association.

The University of Notre Dame is pleased to confer the Faculty Award upon

**Michael J. Etzel**  
*Professor of Marketing*

### 2008 REV. JOHN "POP" FARLEY, C.S.C., AWARD

The Rev. John "Pop" Farley, C.S.C., Award is given annually to honor

distinguished service to student life at the University of Notre Dame.

This year's recipient is a Holy Cross priest who is completing his 16th year as rector in Stanford Hall. He is known for his compassion and love for students, and for taking a genuine interest in their lives. His love for sports is also well known among the 275 "Griffins" of Stanford who look to him for wisdom, for advice, and for making great saves while defending the goal in Stanford's weekly floor hockey games—where, he will tell you, the Griffins hold a number of league championship titles. His leadership and commitment to service have engendered hall programs to assist the Logan Center and Center for the Homeless here in South Bend, as well as a Chilean orphanage. He is a gifted homilist who inspires his residents to live out their faith in service to others. In his "free" time, he labors diligently on his dissertation for his Doctor of Ministry and also serves as longtime chaplain to the Notre Dame Hockey Team.

It is with great gratitude for his tremendous service and commitment to the students of Notre Dame that we honor

**Rev. Thomas E. Gaughan, C.S.C.**

### 2008 REV. PAUL J. FOIK, C.S.C., AWARD

The 2008 Rev. Paul J. Foik, C.S.C. Award recipient arrived on campus in 1989.

Since then, he has accepted increasing challenges with dedication, compassion, and grace. An associate describes him as an "excellent administrator, a very knowledgeable librarian, and a terrific colleague." He currently leads the largest unit within the Kresge Law Library and is playing a critical role in the Law School building and renovation process. A past chair of both the Technical Services Special Interest Section and the Price Index Advisory Committee, he has contributed significantly at the national level to the American Association of Law Libraries. He also served for three years as editor of the Technical Services Law Librarian. He is a role model for his professional work and for his personal

commitment to Notre Dame's ideals and mission.

The University of Notre Dame is pleased to confer the Rev. Paul J. Foik, C.S.C., Award upon

**Joseph W. Thomas**

#### 2008 GRENVILLE CLARK AWARD

This year's recipient of the Grenville Clark Award and his wife Marlene try to follow the precepts of Catholic Social Teaching by assisting refugee families to resettle into the South Bend area and to obtain medical care, schooling, and jobs, thus enabling them to become full members of our community. He and Marlene also help reintegrate into society those who have been released from prison and who live in the Dismas House, and they help the homeless through the Catholic Worker House in South Bend. Through the Christ Child Society, they have played an important role in clothing many poor children of our city.

We are especially honored to present the Grenville Clark Award to

**Thomas L. Nowak**

*Professor of Chemistry and Biochemistry*

#### 2008 THOMAS P. MADDEN AWARD

An internationally published scholar and editor of the works of Antonio Gramsci, this master teacher is much in demand on the international lecture circuit and in the graduate classroom. For many years he has savored the opportunity to teach students in their first year, has done it year after year, and has passed on the opportunity to teach more advanced courses for the satisfaction of training these beginners.

In his office hours he challenges students on their arguments and invites them to think harder and more precisely. The corridors of Decio and O'Shaughnessy halls are also places where students—present and past—stop him for quick conversations, verification of an approach to an assignment (from a current student) or a running update on current classes (from a former student). He spends considerable time in the Honors Program lounge chatting with honors students, a wonderfully productive way to supplement classroom activities and to demonstrate to our students that the life of the mind continues outside the structured exchanges of the class. He also

contributes substantially to recruitment committees for the Honors Program, to assist the University in attracting the very best first-year students for each incoming class. His many grateful students recognize him as rigorous, accessible, challenging, and sympathetic.

An exceptional teacher-mentor, the University of Notre Dame is proud to present the Thomas P. Madden Award to

**Joseph A. Buttigieg**

*William R. Kenan Jr. Chair in English*

#### 2008 THOMAS P. MADDEN AWARD

An enthusiastic instructor, this scholar-teacher is known for the clarity of his explanations, the rigor of his thought, and the imagination he utilizes in keeping students excited about mathematics.

Students take advantage of his office hours, even though, as several have noted, his effectiveness in the classroom usually makes outside help superfluous.

A longtime opera buff, now sometimes sighted on Saturday afternoons at the "Met," this resident scholar displays his own talents on the guitar by playing at Masses on campus.

The University of Notre Dame is pleased to bestow the Thomas Madden Award on

**Dennis M. Snow**

*Professor of Mathematics*

#### 2008 REINHOLD NIEBUHR AWARD

The Reinhold Niebuhr Award honors a person whose life and writings promote or exemplify the area of social justice.

This year's recipient has spent his career in the field of moral and ethical education and development with particular emphasis on at-risk populations. His work is informed by a deep knowledge of the psychology of character development, a sense of the possibility of using knowledge to improve people's lives, and by his ability to tap the vast gifts and talents of all individuals. His work is always animated by a passionate commitment to the life of community. He is a teacher and researcher with passions for justice and making education available to all, whether it is his PLS students, guests at the Center for the Homeless, or at-risk teens in the local high schools. His life and writings elegantly articulate the important

link between the intellectual work of the University and the Catholic Church's commitment to a preferential option for the poor.

We are proud to present the Reinhold Niebuhr Award to

**F. Clark Power**

*Professor in the Program of Liberal Studies*

#### 2008 RESEARCH ACHIEVEMENT AWARD

Since joining the faculty in 1999, this recipient of the Research Achievement Award has established a superb record of research and scholarship while devoting considerable time and effort to teaching and mentoring undergraduate and graduate students. A philosopher by training, he has made significant and lasting contributions in the areas of ethics, metaphysics, political philosophy, aesthetics, and intellectual history.

A universally recognized scholar, he is the author of 31 books, 118 papers, and more than 100 international presentations. His work has been translated into a dozen languages, and one monograph—*Philosophy and the Crisis in Ecology*—has appeared in six different translations. He has also been the subject of two documentaries.

While his academic home is the Department of German and Russian Languages and Literatures, his expansive intellectual background and numerous fields of interest have led to course offerings in the departments of philosophy, political science and romance languages, as well as the Ph.D. in Literature Program. Over the years, he has offered courses on such topics as Theory of Justice, Augustine: The City of God, Interreligious Dialogues in the Middle Ages, Philosophy of Religion in the Renaissance, Moral Philosophy since Kant, The German Quest for God, and Ecology and Ethics. He teaches every level of student and every type of course: from first-year students in the University Seminar Program to German students in upper-level majors courses to graduate students in dedicated graduate classes.

The University of Notre Dame is honored to present the eighth annual Research Achievement Award to

**Vittorio G. Hösle**

*Paul G. Kimball Professor of Arts and Letters*

**2008 REV. WILLIAM A. TOOHEY, C.S.C.,  
AWARD FOR PREACHING**

This year's Rev. William A. Toohey, C.S.C., Award for Preaching is presented to a Holy Cross priest who has entered into a number of different facets of ministry at the University of Notre Dame during his short time with us. He preaches often not only in the Basilica of the Sacred Heart and in the residence halls but also participates as one of the six homilists for *ndprayercast.org*.

The recipient's homilies are always well prepared, and he consistently offers words that inspire, as well as comfort, those who listen to him.

Carrying on the work of other Holy Cross priests who have preceded him in ministry, he continues to revitalize and devote his energy to work with the growing number of Hispanic students through the Latino student ministry programs of Campus Ministry.

The University of Notre Dame is proud to present the Rev. William A. Toohey, C.S.C., Award for Preaching to

**Rev. Ralph L. Haag, C.S.C.**  
*Rector of St. Edward's Hall*

**2008 REV. WILLIAM A. TOOHEY, C.S.C.,  
AWARD FOR SOCIAL JUSTICE**

The Rev. William A. Toohey, C.S.C., Award for Social Justice is awarded to a man who has been present at the University of Notre Dame off and on for more than ten years. From his days as an undergraduate student on campus, he has always committed a part of his life to service.

Our recipient has been recognized by the Notre Dame Alumni Association with a number of awards and distinctions because of his generous service. Among the current service projects in which our recipient is engaged are the Casa de Amistad, St. Joseph Regional Medical Center Pediatric Therapy, The Logan Center Toy Lending Library, The Northern Indiana Center for History, and the Reins of Life.

The University of Notre Dame is proud to confer the Rev. William A. Toohey, C.S.C., Award for Social Justice to

**Paul R. Brenner**  
*High-performance Computing Engineering,  
Center for Research Computing*

**2008 PRESIDENTIAL AWARD**

For 20 years this individual has expertly represented the University of Notre Dame and assisted in its growth and development—on campus, in the community, and throughout the world. During her distinguished career, she has shared her advice and expertise with virtually every administrator on campus. As her clients can attest, she makes herself available day and night, 365 days a year. She is a leader, a problem solver, a mentor, and a consummate team player. She represents the University with integrity, passion and, when necessary, tenacity.

Most recently, she tirelessly led the University's decennial review of its Academic Articles. During this complex and time-consuming review, she provided wise counsel and leadership, and—as always—she willingly “rolled up her sleeves” to perform the tedious tasks involved.

This individual announced her retirement from the University effective October 1. Her wisdom, her compassion, and her dedication to Notre Dame and its people will be dearly missed.

Because she has embodied the Notre Dame spirit throughout her career at the University, we are pleased to present the Presidential Award to

**Carol C. Kaesebier**

## Faculty Recognition and Promotions

### 50 YEARS OF SERVICE

Walter R. Johnson  
*Physics*

Kenneth M. Sayre  
*Philosophy*

### 50 YEARS OF SERVICE

Walter R. Johnson  
*Physics*

Kenneth M. Sayre  
*Philosophy*

### 25 YEARS OF SERVICE

Bruce A. Bunker  
*Physics*

Kevin J. Christiano  
*Sociology*

Michael Detlefsen  
*Philosophy*

Paul A. Down  
*Art, Art History, and Design*

Barbara J. Fick  
*Law*

Malcolm J. Fraser Jr.  
*Biological Sciences*

Prashant V. Kamat  
*Chemistry and Biochemistry*

Alan D. Krieger  
*Hesburgh Libraries*

Gregory P. Kucich  
*English*

Louis MacKenzie  
*Romance Languages and Literatures*

Scott P. Mainwaring  
*Political Science*

Holly E. Martin  
*First Year of Studies*

Kathie E. Newman  
*Physics*

Terrence W. Rettig  
*Physics*

Juan M. Rivera  
*Accountancy*

Steven T. Ruggiero  
*Physics*

Stephen H. Watson  
*Philosophy*

John P. Welle  
*Romance Languages and Literatures*

### TO EMERITA OR EMERITUS

James O. Bellis  
*Anthropology*

Norman A. Crowe  
*Architecture*

Michael J. Etzel  
*Marketing*

Br. Louis Hurcik, C.S.C.  
*Physical Education and Wellness*

Walter R. Johnson  
*Physics*



Donald P. Kommers  
*Political Science*

LeRoy J. Krajewski  
*Management*

George M. Marsden  
*History*

Vaughn R. McKim  
*Philosophy*

Albert E. Miller  
*Chemical and Biomolecular Engineering*

Thomas J. Schlereth  
*American Studies*

TO ASSOCIATE  
PROFESSIONAL SPECIALIST

Connie L. Mick  
*University Writing Program*

Janet L. O'Tousa  
*Accountancy*

Shauna L. Williams  
*Romance Languages and Literatures*

TO PROFESSIONAL SPECIALIST

Alan R. DeFrees  
*Architecture*

Siiri S. Scott  
*Film, Television, and Theatre*

Barbara M. Turpin  
*Graduate School*

Anre Venter  
*Psychology*

TO ASSOCIATE LIBRARIAN

Jessica N. Kayongo  
*Hesburgh Libraries*

Cheryl S. Smith  
*Hesburgh Libraries*

TO LIBRARIAN

Carole J. Pilkinton  
*Hesburgh Libraries*

TO RESEARCH PROFESSOR

Alexander Mintairov  
*Electrical Engineering*

Alexei Orlov  
*Electrical Engineering*

TO ASSOCIATE PROFESSOR  
AND TENURE

Christine A. Becker  
*Film, Television, and Theatre*

John A. Blacklow  
*Music*

Patricia L. Clark  
*Chemistry and Biochemistry*

Jon T. Coleman  
*History*

Michael T. Ferdig  
*Biological Sciences*

J. Nicholas Laneman  
*Electrical Engineering*

Keir A. Lieber  
*Political Science*

Sylvia Li-chun Lin  
*East Asian Languages & Cultures*

Gitta Lubke  
*Psychology*

Scott C. Morris  
*Aerospace and Mechanical Engineering*

TO TENURE: ASSOCIATE  
PROFESSOR

Amy Coney Barrett  
*Law*

David T. Mayernik  
*Architecture*

Rev. Paulinus I. Odozor, C.S.Sp.  
*Theology*

Steven W. Semes  
*Architecture*

David Wayne Thomas  
*English*

TO PROFESSOR

Charles E. Barber  
*Art, Art History, and Design*

Anthony J. Bellia Jr.  
*Law*

Patricia L. Bellia  
*Law*

Laura A. Carlson  
*Psychology*

Patrick J. Fay  
*Electrical Engineering*

Agustin Fuentes  
*Anthropology*

Nicole S. Garnett  
*Law*

Richard W. Garnett  
*Law*

Xiaobo Sharon Hu  
*Computer Science and Engineering*

Boldizsár Jankó  
*Physics*

Joseph M. Powers  
*Aerospace and Mechanical Engineering*

Gabriel A. Radvansky  
*Psychology*

Michael C. Rea  
*Philosophy*

Ke-Hai Yuan  
*Psychology*

TO ENDOWED PROFESSOR

Bradley D. Smith  
*Emil T. Hofman Chair  
in Chemistry and Biochemistry*

TO DEPARTMENT CHAIR

Charles E. Barber  
*Art, Art History, and Design*

Donald Crafton  
*Film, Television, and Theatre*

Bei Hu  
*Mathematics*

Gary A. Lamberti  
*Biological Sciences*

Louis MacKenzie  
*Music*

Richard R. Mendenhall  
*Finance*

Robert E. Norton  
*German and Russian Languages and  
Literatures*

John E. Renaud  
*Aerospace and Mechanical Engineering*

Michael P. Zuckert  
*Political Science*

TO ASSOCIATE DEAN

Roger D. Huang  
*Mendoza College of Business*

William K. Kelley  
*Law*

TO ENDOWED DEAN

Michael N. Lykoudis  
*Francis and Kathleen Rooney  
Dean of Architecture*

John T. McGreevy  
*I.A. O'Shaughnessy Dean  
of the College of Arts and Letters*

## Senior Fellow Comments

Rev. William M. Lies, C.S.C.

Thursday, May 15, 2008

Good evening, I am Father Bill Lies, and I am really happy to be with you tonight... and I am humbled to receive this honor from you—the Notre Dame class of 2008.

It has been a grace for me to walk with you these past years... and not just for me, but for so many of us.

The truth is, in some way, as I stand up here tonight, I stand here for all who have walked with you. For as you honor me tonight, you honor all who have helped you to think new thoughts, wrestle with difficult questions, see the world more clearly, and live a deeper, richer faith.

So, I speak for all your professors and priests, your rectors and mentors and friends.

Well, needless to say, with the weight of this responsibility upon me, I've thought a lot about what to say ... and I realized that someone said it better than I ever could ... a while ago.

So, let me steal some passages from a great mentor to us all ... from a book that most of you know well, because Mom and Dad started reading it to you 16 or 17 years ago. So, here's a bit from... no, not Jesus and the Gospels ... but Dr. Seuss's and *Oh, The Places You'll Go*:

Congratulations!  
Today is your day.  
You're off to Great Places!  
You're off and away!

You have brains in your head.  
You have feet in your shoes.  
You can steer yourself any  
direction you choose.

You're on your own.  
And you know what you know.  
And YOU are the one who'll  
decide where to go.

Out there things can  
happen and frequently do  
to people as brainy and footsy as you.

And when things start to happen,  
don't worry. Don't stew.  
Just go right along.

You'll start happening too.

Oh, the places you'll go!

Seniors—and I can only call you that for a couple more days—before you take your leave, before all our time together gets away from us, let me say just a couple things.

I want to invite you to think about where you are ... what you've learned ... and ... about the places you will go. But, most importantly, I want you to think about how you will be and how you will love along the way ... and when you get there.

Promise yourself today that you will be people of peace and integrity, people of courage and faith. Be like Christ ... and love like Him, too. For my part, I promise that I will pray for you ... I will pray that the Holy Spirit of Pentecost, that we celebrate these days, will guide your steps and bless your way. I pray that you ... and all of us—like the first disciples sent out—will be continually transformed from frightened followers to fearless witnesses of Christ. I pray that you will find ways to love so well, that people will wonder about you ... will wonder how you know and love God so much.

There will be days ahead for you, my friends, and for us all, when you will long for the Grotto, days when the burdens of life weigh too heavy, or to love seems too hard ... in those moments, pray for the Spirit ... and never forget the joy that God's love can bring. The Spirit will come, just as surely as it did to the first disciples, just as surely as it is here now.

In closing, I want to share a bit of a passage from Dostoevsky's *Brothers Karamzov* that's in your program ... because I think it would be wrong for me not to, for it speaks well to what you have known here and to how and who you have become:

“Let us agree that we shall never forget one another. And even though we may be involved with the most important affairs, achieve distinction or fall into some great misfortune ... all the same, let us never forget how good it was when we were all together, united by a good and decent feeling, which made us, for that time, perhaps better than we actually are.”

*Brothers Karamazov* by Dostoevsky

There can be no doubt that you are the better for having been here together, so now, bring your very best ... to the places you will go!

Good night, my friends.

## Charge to the Class

REFLECTION FOR SENIOR VISIT  
TO THE GROTTO

Rev. Mark L. Poorman, C.S.C.

Thursday, May 15, 2008

On an evening like this, and especially at this Grotto of so many prayers and memories, we can already feel some sadness for a privileged time that is about to come to an end. But we know that these final days of nostalgia and anxiousness have also been a time of blessing and grace. In the midst of all these mixed emotions, we manage somehow to convey genuine affections, treasured truths, hopeful words, and some of our deepest beliefs in God's providence and love:

The last class ends, and a few students linger to offer gratitude to faculty who have given them so much in the name of knowledge and counsel. Dorm residents quickly exit, pushing overloaded carts to overstuffed U-Hauls, and on the fly they say kind words to rectors and housekeepers, sometimes summing it all up with a feeble but heartfelt “Thanks for everything.” And, indeed, graduates prepare to leave. After lots of tentative plans to meet for the first home game next fall, they tell each other just how much they care. The goodness, the sadness, the gratitude, is finally expressed. All those conversations and good-byes are powerful rituals that help us mark an important time of growth and friendship and faith.

In the midst of those moments and at your kind invitation, I am to offer tonight a brief “Charge to the Class of 2008,” which I suppose can be thought of as my own little piece of Commencement-like wisdom. With your indulgence, allow me to offer not one piece, but two: Let go of your self. And hold on to your God.

First, let go of your self. It's a strange reflection on the cusp of Commencement as you celebrate all of the knowledge, skills, maturity, and self-possession that you've gained here. In fact, it seems the height of irony that as the best and brightest graduate

from a distinguished university that what they ought to do somehow is to divest themselves of it all. But that is precisely my hope for you. To explain, let me borrow from a much better source than my own musings. When Jesus describes for his friends what a full life is like, he says quite simply and forcefully, “Whoever would save a life will lose it, and whoever loses a life for my sake will find it.” There goes Jesus again, turning worldly wisdom on its head, challenging some of our favorite notions. Notions like “You are the master of your own destiny.” Or that you are the sum of the accomplishments on your resumé. Or, as they like to tell you in marketing circles, that “It’s all about you.” It’s not. It’s all about how well you give it away. So I hope you let go of your self. Commit to a spouse. Or raise children. Or cultivate good friends. Or care for your parents. Or lift up the poor. Or devote yourself to something that draws on your deepest impulses of generosity. I hope you spend every last ounce of love on somebody else’s well-being. And I hope you let go of every measure of your own ample talent, intelligence, and knowledge to address issues that threaten our common good, to pursue concerns that go beyond your private preferences, to build communities that are broader than just the people who are like you.

Second, hold on to your God. It fits nicely with letting go of your self. Frankly, most of us don’t have the inner resources to give and serve and love and spend ourselves without prompting of some kind. Even though we are told that in losing a life we will gain it, that promise would seem distant and unapproachable were it not for God, who gives us everything we need. How else could we ever explain successes that are beyond our talents, or friendships and families that can only be described as unearned gifts, or hardships that we have overcome in the face of staggering odds? God’s providence has been more than just a safety net; it has been the constant in our time together. The beauty of Commencement at Notre Dame is that it means so much more than just a celebration of remarkable academic achievement in the lives of its distinguished students. Because we are a place that joins reason and faith, intellectual inquiry and spiritual formation, human striving and God’s grace, we find joy in these days

because of a profound gratitude for God’s gifts to us in the past, as well as a profound trust that God will bring to completion all the good things we hope for in years ahead. As Joshua says in the Hebrew Scriptures, “Choose whom you will serve ... but as for me and my house, we will serve the Lord.” Hold on to your God.

Tonight I offer the simple prayer that all of us may let go of ourselves and hold on to our God. In the end, that is the deep meaning of the life of Mary, whom we revere at the Grotto, and that is the essence of the discipleship that follows in the footsteps of Jesus Christ. You are our very best hope for that discipleship, and for that, especially as you prepare to leave here, we are so proud and grateful. Thanks for all that you have been, and are, and will be to this place. God bless the Class of 2008, and God bless Notre Dame.

## Baccalaureate Mass Homily

*Rev. John I. Jenkins, C.S.C.*

*Saturday, May 17, 2008*

Brothers and sisters, Paul writes to the Corinthians, “Rejoice!” Those are appropriate words for today. I say the same to you, graduates, family and friends of our graduates, and all our faculty: Rejoice! Rejoice in your accomplishments.

Rejoice in your family and friends with whom you share this day. Rejoice in all your gifts. Rejoice in God’s love. You have much to be proud of, so rejoice.

This weekend is also a time of remembrance for our graduates. You graduates look back on coming to

Notre Dame years ago. Undergraduates came, if I may say so, as kids. You often acted like it. But you leave very much as adults and we are very proud of you. Think of the friends you’ve made, the memories you shared, what you have learned, the skills acquired, the insights gained. It’s a good time to remember.

It’s also a time to be grateful. You graduates would not be here today if not for so many people who helped and supported you—first your parents, then other relatives; your friends, your teachers, your rectors, and so many other people who’ve helped and supported you along the way. And you would not be here were it not for God’s great

providence and guidance in your lives. So be thankful.

And finally this is a weekend of anticipation. Graduates, you are about to go on to the next stage of your lives. You no doubt feel some excitement about your prospects; perhaps also a little anxiety, and perhaps, too, a little sadness at leaving friends and a place you have grown to love.

On this day, in this mix of powerful emotions and thoughts, the Church gives to us for our reflection and prayer the Feast of the Holy Trinity: the feast of the doctrine that God is three persons—Father, Son, and Spirit—while remaining wholly one. While we affirm this doctrine, it may initially seem hard to connect it with today’s turbulent mix of thoughts and emotions. The doctrine of the Trinity, one of the most fundamental doctrines in the Christian faith, also remains one of the most mysterious and inaccessible to us. We think we understand the Trinity, but we most certainly don’t. We proclaim the Trinity, yet we know we cannot enter into God’s inner life.

So how can this doctrine illumine our day today at Notre Dame? What instruction can it give us for the road ahead? A great deal, I think. Today’s Gospel begins, “God so loved the world that he gave his only Son, so that everyone who believes in him might not perish but have eternal life.” It’s hard to find a more succinct and powerful summary of the Christian faith than that sentence.

The doctrine of the Trinity holds that the Son, Jesus Christ, is fully and truly God. In encountering Jesus, then, we encounter God. Not simply a representative of God, not simply a great creature, but God himself. You have encountered Christ at Mass. You have encountered him in the Eucharist. You have encountered him in the scriptures. You have encountered him in so many ways in your time here, in conversations, and reflection and prayer. You’ve encountered God in Jesus.

Last Sunday we celebrated the Feast of Pentecost, the day when God sent the Holy Spirit to the Church. The Holy Spirit dwells in us, guiding us, strengthening us, comforting us, giving us strength. The doctrine of the Trinity teaches us that the Holy Spirit really is God guiding us, strengthening us, consoling us, challenging us in this same Spirit. You might have experienced the

Spirit in moments of peace during your time here; in moments of insight, moments of inspiration, moments of perseverance and hope, in a faith that endures.

In each of our lives as Christians we participate in some way in the life of our triune God. We believe in Jesus Christ, we are moved entirely by the Spirit and we pray to the Father. At every Mass we hear the words of Jesus in the gospels; we receive his body and blood. We are brought here by the Spirit. We pray to God, our Father. And when we make the sign of the cross, we say almost without thinking, "In the name of the Father, the Son, and the Holy Spirit." A Christian life is life in the triune God.

You know we often speak about, but find difficult to define, the spirit of Notre Dame. There are so many dimensions, so many aspects to it. But I want to suggest today that the depth of that spirit, the depth we all here feel, comes because through God's grace we are each of us, individually and communally, enveloped in God's mystery in the Holy Trinity: through Christ in whom we believe, in the Spirit who moves in our hearts, to the Father to whom we pray.

Our lives daily and intimately touch the mystery of God, even when we don't allude to it or even think about it. Through that mystery our lives have the very dignity they possess. Through that mystery we are the sons and daughters of God. Through that mystery we feel a call—to go forth, to do good, to serve the kingdom.

Last Thursday Father Bill Lies, the 2008 senior class fellow, addressed you seniors and spoke about this when he called you to be people of peace and integrity, people of courage and faith. "Be," he said, "like Christ and love like him, too." Father Mark Poorman, in his address to the class, said something similar: "Let go of yourself. Cling to God." I say to you today as well, live in the mystery of God. Give of yourselves generously.

Sorry for the lack of originality, for repeating a message for the third time but in so many ways it's the central message of our lives. If you continue to live in the mystery of God's presence in your life, in the mystery of God's love, in the mystery of the Trinity, you will carry with you the depth of what you've learned and experienced here at Notre Dame. You will carry it into the

world and through your lives. That world will be changed, will be elevated, will be enriched, will be made better.

This is our prayer for you. This is our hope for you: In whatever you chose, in whatever life you live, you will bring the Spirit into the world and transform it. I am sure that each and every one of you will find great successes and much to be proud of. I am also sure that you will encounter frustrations, disappointments, hardships, and detours in your lives.

But as we celebrate this Mass, as we celebrate the mystery of the Trinity, as we celebrate God's love in our lives, I leave you two promises: First, wherever you go and whatever you do, you'll always be in our prayers here at Notre Dame. Second, wherever you go and whatever you do, you'll always have a home at Notre Dame.

May God bless you all and continue to work through you for the building of his kingdom and the good of the world.

## Invocation

*Mr. Patrick E. Reidy*

*Sunday, May 18, 2008*

Let us begin in the name of the Father, and of the Son, and of the Holy Spirit. Amen.

Loving Father, we thank you for all who have brought us to this moment. Bless our families and friends who show us your goodness each day. Be always with our professors and mentors, including members of the Congregation of Holy Cross, who have guided our search for your truth. Enrich us all with the zeal of Father Moreau to make you known, loved, and served in our Notre Dame community and around the world.

Grant us courage as we leave Notre Dame to preach a gospel of hope through our lives as once our Mother Mary brought your word into the world through hers. May we always be mindful of those in greatest need, remembering especially today those whose lives were recently touched by the disasters in Myanmar and China. May we be men and women of compassion, ready to serve your people with generous hearts and undying love.

Strengthen our faith in the good you call each of us to offer this world, as we pursue in confidence our vocation. While the spirit of your transfigured Son burns brightly within our hearts, we know that we cannot make tents here; we must come down from the mountain. Let all we have seen and been trap us not in memory but in a genuine love for you as we collaborate in your great work of creation.

May your light shine through us and brighten the shadows of every doubt, that we may remain steadfast in faith, trusting that who we are is exactly who you call us to be. We ask this through the intercession of our Mother Mary, Notre Dame, and her Son, Jesus Christ, in unity with the Holy Spirit. Amen.

## Valedictory Remarks

*Mr. Joshua Hammack*

*Sunday, May 18, 2008*

Your Eminence, Father Jenkins, distinguished faculty and guests, family, friends, and fellow graduates: This is an incredibly humbling moment, because I know I didn't do this alone. Before I get ahead of myself, I'd like to take some time to thank all the people who were so instrumental in making this day a reality. On behalf of all the graduates, I'd like to thank all of our parents and families, all of the people who have sacrificed, supported, and cheered us on, not only for the last four years, but for our entire lives. I'd also like to thank all the wonderful people who make Notre Dame unique: our rectors and priests, all of the professors who have continuously encouraged us to think beyond the classroom, the administrators for the great work they do, and the staff and support that keep our grounds and dorms beautiful and our dining halls full. Finally, I want to express how incredibly grateful I am to have attended this University, where spirituality and prayer are such an important part of our education, and where people are always willing to pause from their busy lives to help a friend. Whether it was lighting a candle at the Grotto, an evening service in the dorm, or Mass in the Basilica, we have always come together as a community to give thanks for our blessings and ask God for assistance in times of need.

Allow me to move on to a story that began four years ago and happens to coincide with our arrival here on campus. A close friend of mine goes to the University of Hawaii and, back in August of 2004, we both arrived at our respective schools. That first day, Notre Dame was beautiful and sunny; barely even a cloud in the sky. In fact, it was two degrees warmer here than it was in Hawaii ... Yeah, that was a cruel trick! You see, in December of that same year, as she swam with dolphins in 80 degree weather, I left my 12 by 15 dorm room to trek to DeBartolo through eight inches of snow, in subzero temperatures, not having seen the sun for what seemed like months. And at that moment, as the 20- mile-an-hour wind cut through my winter jacket, I wondered for the first time if perhaps I was crazy. You know, the kind of crazy that seems to have inspired previous generations to walk through snow to school barefoot, uphill, both ways. But as I looked around, I was comforted by the fact that I was far from alone. Hundreds of other students seemed just as crazy as I was—bundled in multiple layers of coats and scarves, making that very same trek. Shortly thereafter, I realized we are all crazy, and maybe crazy isn't such a bad thing. That's right, I believe Notre Dame has made us crazy. In fact, it's kind of hard to argue against when you think about it. Students who agree to four years of those treacherous winters, who trade sleep for club involvement and service trips, who actually believe they can make a difference in places like Bangladesh and Darfur ... it sure seems crazy. And just look at the football games: student push-ups after every touchdown, perfectly synchronized cheers, standing for four hours straight ... It's all crazy! No one can deny it. But our craziness is much deeper than all of that.

When you get right down to it, Notre Dame has made us crazy because it has made us believe. It's encouraged us to see potential where no one else believes any exists. It's fostered this incredible notion that we are actually capable of changing things and, thus, it has compelled us to action. You see, only the perfectly sane are ever willing to admit they're crazy and embrace the freedom it provides. But it's always the ones who are crazy enough to believe they can actually change the world, who do. So, being called crazy is quite a

compliment, because God didn't put us here to be ordinary anyway. And when you really think about it, it's the people who were called crazy and the events once called impossible that have had some of the biggest impacts on our lives. Just imagine coming to America to found a university with only \$300 in your pocket. Many would call that crazy, and many would argue that founding a long-lasting institution with so little is impossible, but Father Sorin would disagree. And, through this University, he continues to change the world today, not only in those who attend Notre Dame, but also in all the people we touch. You see, only when you're willing to dare the so-called "impossible" can you achieve the incredible. And for those precious few who are courageous enough to take the risk, "crazy" has an odd tendency of turning into "brilliant." So, embrace the label; it's nothing more than a precursor to greatness.

Speaking of the impossible, I believe that word takes unfair blame for people's unwillingness to try. It seems like whenever you have an audacious goal, someone wants to focus on its impracticality. And it's easy to give up on something you know will be difficult, something perhaps no one else even believes can happen, but those are exactly the goals worth fighting for. So from now on, if people aren't telling you it's impossible, you haven't set your goals high enough. Nothing truly great has ever been achieved with unanimous support. To change things, to really make a difference, you must be willing to be opposed, to be called crazy, to be told it's impossible, because it's how you respond in those moments that will define you. Others will always be quick to tell you what you can't do, but you should never be content doing the things everyone knows you can do. Now, you must dare to do the things no one believes you can do. And let every person, every voice who tells you "you can't" propel you to prove that you can.

Because seeing a change that needs to occur is only the beginning. Having a dream is a good start, but it's not enough. It's the effort and the action, the willingness to work through trials and failure, and the dedication to doing things the right way that allow us to really make a difference. To borrow from former Canadian Senator Douglas Everett, people can essentially be divided into three categories: there are some who

live in a dream world, and there are some who face reality; and then there are those precious, crazy few who turn one into the other. But the thing that sets those people apart is the willingness to dare, the willingness not just to dream, but to take a chance, too. I've come to realize that the only way to be truly happy is to risk losing everything for what you believe. If you can find the thing that's worth taking that risk, there's no question as to whether or not you'll be successful. Because it's trying when you know you can lose, when you know you can really fail, that sets you apart. And, in truth, failure should never be a deterrent. We are all doomed to fail at some point in our lives. That's just part of being human. It's how you react to failure that will ultimately determine how far you go. If you can move from one failure to the next without losing faith, without losing hope, and without losing your passion, success will be the only thing left. Because experience is little more than a great collection of mistakes from which you have learned what not to do and, thus, have derived some pattern for what should be done. And the simplest formula for success is persistence and perseverance. It is the culmination of several failures and many sleepless nights, and it's the absolute refusal to stop when others have already walked away.

But the really great thing about Notre Dame is that, while it certainly has taught us a lot and changed us greatly, it has avoided molding us. We don't come off of some Notre Dame assembly line ready for the world. Rather, we leave with our individuality intact, prizing the things that make us unique, each crazy in our own way. We haven't been told what to think, and no answers have ever been handed to us; instead, we have been shown how to think, and we've learned how to search for answers. And that's precisely what we are called to do as we move forward. We have all been exposed to the many collective problems that plague our world today. But Notre Dame has also shown us that recognizing those problems isn't enough. We must become part of the solution by stepping forward and working for change, by being willing to share the gifts we've been given. And that's what sets us apart as a community and as a University, because it's one thing to get what

you want, but it's quite another to give what you have.

We each have the rare ability to say we've graduated from Notre Dame. It's an honor just to be accepted, just to be among the few who ever get the opportunity to walk this campus as students. It's no more than a dream to so many people, but we've actually lived it. And, because of this accomplishment, we've been blessed with a great burden. Wonderful things will be expected of us simply because of our association with this great University. But we can't be content with mere expectations. We can't be satisfied defining ourselves in terms of what others think. We are here precisely because we're crazy enough to continuously ask more of ourselves. We've demanded more than anyone else has even imagined. Now, it's time to be daring. It's time to spark the changes that today seem impossible, time to make the world see that, at Notre Dame, with God as your guide and the Blessed Mother at your side, all things are possible.

Before I close, I want to thank one last group of people: everyone who ever told me that a moment like this was impossible, every person who said I was crazy for dreaming I could even come here. Without those people, I may have never seen just how possible it really was. Listen, these next few steps may be shaky ones for each of us, but just remember that you'll always have the support of your family. And now we graduate into an extensive family, one which literally spans the globe—the Notre Dame family. It's our responsibility to uphold that rich tradition, while taking on new challenges and embracing every opportunity, always remaining just crazy enough to change the world.

Thank you.

## Undergraduate School Commencement Address

*Theodore E. Cardinal McCarrick*

*Sunday, May 18, 2008*

Father President, Your Excellency, Bishop D'Arcy, my dear brother priests, my dear Brothers and Sisters in Consecrated Life, members of the faculty and administration, my dear fellow graduates of the Class of 2008 and, in a special way, your mothers

and fathers and your families. I want to say that the valedictorian really set the bar very high for the rest of us this afternoon.

First of all, may I greet my dear brother and friend, Bishop John D'Arcy. The bishop has been a wonderful, thoughtful and courageous servant of the Church, especially here in Indiana, for so many years. He has also been a great and loyal friend of Notre Dame. It was at his encouragement that I accepted the awesome privilege of talking to you all today, a task which I approach with deep recognition of the honor and the responsibility of trying to say something that will truly be meaningful and not just for today, but for your future.

On that note, I want to mention that I had heard that a number of my fellow graduates had hoped that the famous Bono might be our commencement speaker. Now as a friend of Bono, I also thought that would be a good idea, and so I did the next best thing. I called him and I told him about our graduation and I asked him to give me a thought that I might share with you. I told him it could be serious or funny. His serious thought was very powerful. For me it was like a short meditation.

He asked me to tell you to choose your enemies carefully, because you will be defined by that choice. He suggested that oftentimes, our enemies are within us, and he volunteers that his enemy had been indifference. I answered for all of us that he had certainly conquered that enemy, and that his extraordinary commitment to the poor and the suffering of the world, especially the underdeveloped nations of Africa, was a great testimony to the victory. I just thought I would share with you this powerful message today and at the same time, to give you his regards.

I want also to greet our Laetare Medalist, President Josiah Bart—... I mean, Martin Sheen, who in so many ways has been a great example to every one of us. I suspect there may be a number of write-in ballots to return him to the West Wing next November.

Truly, it is really an honor and a privilege for me to be giving this talk. I know that I join an extraordinary group of distinguished Americans and citizens of the world who have stood before a graduating class of Notre Dame over the years. I realize

that I am very much out of place among them, but I join them with great recognition of the honor which you do me today, which I have in speaking to you.

I want to offer my joyful congratulations to all of you as you achieve this great milestone in your life. To graduate from the University of Notre Dame is an honor and a distinction that will be with you for the rest of your lives. Allow me too, to congratulate your parents and your families and to thank them for the sacrifices which they have made to make it possible for you to come to this University. For them, there is a justifiable pride today as you graduate from Notre Dame.

Let me begin with a story. It's a personal story, but I hope it will give you a smile. Some weeks ago, I was visiting one of my nieces who has been blessed with a large number of children. In the course of a conversation with her 6-year-old—very difficult to have a long conversation with a 6-year-old—but in the course of that conversation, I mentioned that I was going to receive an honorary degree from Notre Dame. The little guy said: "Notre Dame, WOW!" He said it so loudly that his mother came in from the kitchen and asked what that was all about. When I told her, she looked at me and smiled. And then she said, "WOW!" (As you see, we are a bit vocabulary-challenged in my family.) That is not the end of the story. When my 13-year-old nephew came home an hour later, his little brother told him immediately about the honorary degree. He got it right, although he pronounced it somewhat heroically. The teenager, on hearing the news, turned to his mother in disbelief and said in his high, subtly changing falsetto: "Uncle Ted, a degree from Notre Dame? REALLY!"

Two WOWS and a REALLY—and from three different age groups! What an enormous tribute to any institution. There is probably not a college in the nation that can do better than that. Let's talk about why for a few minutes this afternoon, and reflect on the challenge and responsibility that comes from being that kind of a place in the hearts and minds of people.

For most people in our country, I would guess that Notre Dame is a combination of a number of great and wonderful things. It is an outstanding house of studies, a

true educational powerhouse, a center of scientific and sociological research, a welcome harbor for reflection and spiritual values, a place where learning and athletic excellence tend to go hand-in-hand, an ever-developing think tank for the nation and for the world. Notre Dame, indeed, is all those things, but as a Catholic university it is more. My own Archbishop, Donald Wuerl, who has been a great grace to the Church in our country as a major Catholic educator and leader, spoke to a national educational association a few months ago in these words: “A Catholic university has the unique capacity to deal with and emphasize the spiritual dimension of human life. Revelation, religious conviction and faith enable the student and professor to carry our understanding of human existence beyond the natural and physically viable into the spiritual dimension needed for full and complete human life.”

Our own Prof. Scott Appleby—you note that I say “our own” because I already feel that I am close to graduating—mentions that diversity is one of the great strengths of Catholic higher education. He speaks of different types of Catholic institutions, one of which might “urge retreat into a Catholic enclave walled with great books, others which would stress the centrality of a vibrant campus ministry and liturgical life. Still others, which would prioritize social outreach and justice and peace activism or awareness as the guarantor of Catholic identity.” But as we look at Notre Dame, it can claim all three of those models to mirror and so to represent what is best in Catholic higher education.

In a sense, Notre Dame faces an enormous challenge. It is not an ordinary university. It is not an ordinary Catholic university. Oftentimes, the fact of your singular prominence and your scholastic excellence in fields of study both classic and prophetic implies a greater responsibility. The world of academe has always understood that to those to whom more has been given, more may be required. In the world of Catholic universities, a leader must strive to be first not only in scholarship and in vision, but first in example and in the courageous witness to the truths which it holds and teaches.

That is true, I believe, not only of those who profess our faith or who are guided by our rule of life, but in a real sense true of all who sign on as crew or passengers on this exciting voyage on the high seas of university education. Pope Benedict, just a month ago on his historic journey to our country, summed it up with eloquence and clarity: “First and foremost, every Catholic educational institution is a place to encounter the Living God Who, in Jesus Christ, reveals His transforming love and truth... in this way, those who meet Him are drawn by the very power of the Gospel to lead a new life characterized by all that is beautiful, good and true.” Notre Dame fits that description, and perhaps nowhere more than in the great spiritual and pastoral life it offers to its students.

And so, today is for me—your new and rather ancient classmate—a very great honor to sign on with you as you come to the glorious conclusion of this adventure, sailing these waves of higher education through calm seas and sometimes turbulent ones. I pray that this sail has been a happy one for you. It has, of course, not been without the challenges that taught you how to grow in your ability to stand fast as you learned to navigate the weaving decks of changing times and shifting currents, to gain a balance of your strengths and opportunities, and to seek the signs that are necessary to understand as you join the multitudes of other travelers along the paths that hopefully lead to the fulfillment of your dreams.

But we still need to discover what is it that Notre Dame deserves two WOWS and a REALLY. What do people look to see in the men and women of Notre Dame? Maybe another story will help. This past year has been a specially blessed one for Notre Dame. It was the year in which the founder of the Congregation of Holy Cross was solemnly recognized by the Church as Blessed. Brilliant educator, zealous missionary, prudent leader, and meticulous administrator, Blessed Basil Moreau made a difference in his own lifetime—and, through the Congregations he founded, in the lives of millions of men and women, just like you and me. We should not be surprised if the kind of education we receive at Notre Dame bears the mark of Blessed Basil Moreau, so that if we look at him and his history,

we may deepen our understanding of why the reputation of this University brings out the OHs and the AHs, the WOWS and the REALLYs of so many.

Born in 1799 and died in 1873, Father Moreau lived the challenging political and religious life of France in an age of vast and rapid change. The great blessing of Basil is that he never changed, he was always the same person, dedicated to education, especially dedicated to the education of the poor. A humble man, and yet a strong man. A man who could be direct, and a man who could be stubborn, but always a man who loved the Church, embraced the Holy Cross, and loved his Congregation.

It was his extraordinary trust in God and his confidence in God's help which allowed him to face challenge and difficulty, obstacle, and disappointment. Blessed Basil found it most important that education be filled with hope. Constantly he would talk of his priests and brothers as those who have cause to be “men with hope to bring, those who could make God known, loved, and served, for there is the promise we are called to live.” It is interesting that Pope Benedict, when he came to America last month, spoke clearly to this in a very similar way: “Catholic education is an outstanding apostolate of hope. To all of you, I say bear witness to hope, account for the hope that characterizes your lives by living the truth which you propose to your students.”

The Pope is very clear about what real Catholic education is all about. He said, “Catholic identity is not dependent on statistics. Neither can it be equated simply with orthodoxy of course content. It demands and inspires much more: namely, that each and every aspect of your learning communities reverberate with the ecclesial light of faith.” Basil Moreau is not far behind him. Listen to his words: “Education in its proper sense implies the expansion and cultivation of all the faculties, mental and physical—the cultivation of the heart as well as the mind, and of these the formation and enrichment of the heart is undoubtedly the more important of the two.” He goes on to say the education of the heart and the development of a family spirit in each school at every level was what embodied the educational vision of Blessed Basil.

Yet it was not just the family spirit that summarized the educational vision of Blessed Basil. He wanted an institution that was excellent. He would suffer no compromise with excellence. That was a quest that every one of his schools should have, and he was very clear about it. He was determined that his schools, the schools of the Congregation, be not only equal to and able to compete with the schools of the state, but that they accept in every form, in every field, the challenge of being better. Here is a quote from Basil on education: “No one need fear that we shall confine our teaching within narrow and unscientific boundaries; no, we wish to accept science without prejudice and in a manner adapted to the needs of the times. But we shall always place education side-by-side with instruction; the mind will not be cultivated at the expense of the heart.”

In the quest for excellence in education, there can always be shades of opinion. The Holy Father spoke of them in his great homily at Yankee Stadium last month. Pope Benedict says, “Authority, obedience, to be frank, these are not easy words to speak nowadays. Words like these represent a stumbling block for many of our contemporaries, especially in a society which places a high value on freedom. But the Gospel teaches us that true freedom ... is found only in the self-surrender which is part of the mystery of love. Only by losing ourselves, the Lord tells us, do we truly find ourselves.” Blessed Basil would have no trouble with that, believing it, teaching it, and organizing his religious Congregation on the basis of those principles. He says in the preface to his book on Christian education a wonderful statement, “Society ... needs people of virtue more than people of learning.” This comes from a man who was really an educator and determined to make sure that people learned, but he never lost his compass. He never lost the value system which was so important for his life and his work.

There is still another element that we can always see clearly in the reflection of Basil Moreau. We must be able to see this always as we look at Notre Dame and, indeed, as we look at ourselves as well. It is Basil’s dedication to the education of the poor. He writes to his brothers, “If at times you show preference to any young person it should

be to the poor, to those who have no one else to show them preference, to those who have the least knowledge, to those who lack skills and talents, and to those who are not Catholic or Christian.” He was determined to reach out to those who didn’t have the opportunities that he and others had, the grace, the chance, the gifts! The wonderful story when as a youth, he entered the seminary at Le Mans, his father walked with him the 50 miles of the journey, embraced him, and walked back home again on foot. Basil knew what it was to be poor. He would never turn the poor away.

He also knew that the whole person is not just mind and body, but mind and body and soul. And therefore, this institution, so firmly founded in this family in the Church, must never cease to give the clear signs that it has never lost its character as a place where the inspired teachings of its founder are revered and modeled and where the values of the Gospel are lived and proclaimed. I truly believe that it is on this foundation that all those WOWS and REALLYs are brought to life.

In an eloquent talk in Rome to the Trustees of the University, Bishop Daniel Jenky of Peoria, a member of the family of Moreau, speaks very clearly and beautifully. He asks the question, “Is there any other single Catholic school you know about that has at last count, 64 chapels where Mass is celebrated and the Eucharist is reserved? Is there any place on earth, except perhaps Lourdes and Rome, where Mary is more deeply and universally revered than at her school and at her campus?” Blessed Basil once wrote to his religious community, “An education that is complete is one in which the hearts and hands are engaged as much as the mind.” And that is certainly what he had in mind when he launched this great enterprise of Catholic education.

Shortly after his inauguration as President of the University, Father Jenkins convened a national task force on the future of Catholic schools in the United States. The teaching of Basil Moreau is echoed on every page of that document and initiatives, like Notre Dame’s Alliance for Catholic Education, are signs not just of the importance of Catholic education that is seen so clearly here, but a desire to be faithful to the teaching of Blessed Basil, to give the poor the very best in education, to break through the cycle

of poverty, and to proclaim the dignity of every human being. To that accomplishment we can proudly add the work of the Catholic Peacebuilding Network, to which Notre Dame has given a home, like the Kroc Institute, as well as many of the countless other initiatives, which have put Notre Dame in the forefront of initiatives for a better, a more just and humane and peaceful world.

I guess I give a lot of credit to Blessed Basil Moreau. I believe that his spirit is still present here in a special way. It is the spirit of a combative, zealous, brilliant, and courageous man. His life is an adventure of faith, an adventure of generosity, and what we say of Blessed Basil, we must be able to say of Notre Dame. This, then, is the challenge. Whatever your faith, whatever your background, whatever your talents, use them for others, build a better world, strive beyond your own abilities, reach beyond your grasp, make a difference. If a man whose long life was almost totally confined to a middle-sized city in the northwestern part of France could be responsible for the revolution in American Catholic education that Notre Dame has accomplished, and continues to accomplish, then you and I can accept no lesser challenge than that of making our globalized world more human and more humane, more committed to the protection of life and dignity, of peace and justice, of faith and love. It is because of this commitment that Notre Dame merits at least two WOWS and a REALLY and why you and I must live so that we deserve them, too.

May God bless you on your journey, dear friends, dear fellow graduates, and may angels go with you and keep you safe along the way.

Thank you.

## The Laetare Medal

*Martin Sheen*

*A Recipient’s Remarks*

*Sunday, May 18, 2008*

Thank you. Thank you so much. As the former acting President of the United States, I now have the best of both worlds: a successful administration and a Notre Dame degree. But I am here principally



because I believe that every single one of us has the power to lift up this nation and all its people to a place:

“Where the mind is without fear, and  
the head is held high;  
Where knowledge is free;  
Where the world has not been broken  
up into fragments by narrow, domes-  
tic walls;  
Where words come out from the  
depth of truth;  
Where tireless striving stretches its  
arms towards perfection;  
Where the clear stream of reason has  
not lost its way into the dreary desert  
sand of dead habit;  
Where the mind is led forward by  
thee into ever-widening thought and  
action—  
Into that heaven of freedom, my  
Father, let our country awake.”  
Amen.

Some of you recognize that as a poem from Rabindranath Tagore, who was one of India’s great poet laureates. He won the Nobel Prize for literature in 1917, the year that fellow Laetare Medal recipient, John Kennedy, was born. Tagore was a great friend and supporter of Gandhi. In fact, it was Tagore who gave Gandhi the name Mahatma, which means “Great Spirit.” He died in 1941, seven years before India achieved independence, but when they did in 1948, the Indian government chose one of his poems as the words for their national anthem. And I learned that poem in 1981, while I was in India to play a role in *Gandhi*, which I am happy to say was a very successful movie everywhere, but nowhere was it more successful than in Hollywood. Go figure. But it won the Oscar for Best Picture in 1982, and everyone in Hollywood seemed to love Gandhi. In fact, everyone in Hollywood wanted to be just like Gandhi—thin, tan, and moral.

For the past few months, I have had a nagging fear that the reality of this moment, in this historic place, would be such that anything I might try to add to it would be anticlimactic. And so I resolve that come what may, I would accept this cup as offered, not altered. But to my great relief, and to your eternal credit, from the moment I arrived here on campus, I have been taken up in the warm embrace of the Notre Dame

family, and I am deeply grateful. For more than half a century, this institution has been my ideal. And for seven years, one of the most satisfying aspects of being on *The West Wing* was portraying an American President who was a graduate of Notre Dame. I thought Josiah Bartlett was as close as I was ever likely to come to a personal relationship with the Fighting Irish, until now. So thanks to your dangerously generous gift. I’m afraid we’re stuck with each other, and I couldn’t be happier.

I was working in Canada, where they’re not as familiar with this honor, and it was announced, and I overheard a discussion between two gentlemen on the crew. One said, “What’s this thing Sheen’s getting from Notre Dame?” The other responded, “Oh, I guess it’s some thing they give you in the States if you live long enough and stay Catholic.” Indeed, the truth is mighty. Although, I did not hesitate to accept this honor, I was not unaware of the glory of its promise, or the demands of its purpose. Nor was I unmindful of the historic and heroic ranks of previous recipients and their extraordinary contributions; on the contrary. Yet more than anything else, what quickened my response to accept it was the fact that, without exception, each and every single recipient evoked a common humanity and common goal inspired by an iconic young rabbi, who assured us all more than 2,000 years ago that to know the truth would set us free. So, therefore, this annual gathering is a celebration of freedom in the truest sense of the word, and I am grateful for the invitation to attend this year’s party.

I have been an actor all my life. In fact, I have no conscious memory of ever not being an actor. I couldn’t identify it as such when I was a child, until I started going to the movies around the age 5 or 6, and then it gradually began to dawn on me that, “Oh, I was one of those people up on the screen.” And it was an extremely comforting revelation because I knew even then, that I would never be happy unless I pursued that wondrous mystery that possessed me and it gave me a possession of myself. So, in a sense, my chosen profession was a foregone conclusion, and taking it all and all, I have not the slightest regret.

But while acting is what I do for a living, activism is what I do to stay alive. And I’m often asked how I came to unite the two,

and the answer is simple, I haven’t a clue. But it was less a conscious effort than it was a natural progression. I learned early on that you serve yourself best when you serve others first. Of course, if you grow up in a large, poor, immigrant family, chances are you’re either Irish-Catholic or Hispanic. I was lucky enough to be both, so I had a huge advantage when it came to social justice activism.

Indeed the truth is mighty and it shall prevail.

“Each time someone stands up for an ideal, or acts to improve the lot of others, or strikes out against injustice, he sends forth a tiny ripple of hope, and crossing each other from a million different centers of energy and daring, those ripples build a current which can sweep down the mightiest walls of repression and injustice.”

Those words were spoken at the University of Capetown in South Africa in 1966 by Robert Francis Kennedy. They are enshrined on his memorial at Arlington National Cemetery as well, and they have been a powerful source of inspiration for my generation ever since.

Whether we acknowledge it or not, we are all responsible for each other and the world, which is exactly the way it is, because consciously or unconsciously, we have made it so. And while none of us made any of the rules that govern the universe or the human heart, we are all beneficiaries of a divine promise, that the world is still a safe place despite our fears, and we in it, are not asked to do great things; we are asked to do all things with great love.

Surely, a lofty ideal as rare in a culture of so many compromised values and so much cynicism, a culture that all too often knows the price of everything and the value of nothing. Yet, there remains a very real and mysterious yearning, deep within each and every human heart that compels us to journey outside of ourselves by descending deeper within. Yet this inadvertent root must be built to the specifications of the individual heart, and the cost is high. If it were not so, we would be left to question its value. For some of us in this journey, it may be a natural progression; for some, it may be a sudden shift; for some, it may be

the result of a near-death experience, or a dead-end realization. For some, it may be less a journey than a pilgrimage.

It does not matter how we define it or when it begins, but it is absolutely essential that it continue, because it is only here we can come to know ourselves, in deeply revealing ways that confirm our worth and define our purpose. It is here where we are forced to acknowledge our powerlessness, and where we begin to realize how truly powerful we are. It is here where the ego befriends the truth, and we are free to visualize the very first small, conscious acts of heroism that bring rejection from the crowd and satisfaction from the heart. And it is here into this world, this demented end inn, where there is absolutely no room for Him at all, that Christ comes, uninvited, to lift us up and set us on the path that will unite the will of the spirit to the work of the flesh.

The Irish tell the story of a man who arrives at gates of heaven, and he asks to be let in, and St. Peter says, "Of course. Show us your scars." The man says, "I have no scars." St. Peter says, "What a pity. Was there nothing worth fighting for?"

However we perceive the purpose of our journey or the route we pursue, at the final twilight, when we must confront the reality of that undiscovered realm from which no traveler returns, the only things we can take with us are the things which we cherished and gave away with love, including our precious time and talent.

I began my remarks with a poem by Tagore to honor America, and I would like to conclude with a poem by Emma Lazarus to honor all of America's immigrants, which includes both of my parents. My father was Francisco Estévez, born near Vigo, Spain, on July 2, 1898. Oy vey! The very day the United States declared war on Spain. My mother was Mary Ann Phelan, born in County Tipperary, Ireland, on May 22, 1903. They met in Dayton, Ohio, and were married in 1927. She had 12 pregnancies, 10 survived, nine boys and one girl. I was their seventh son, and my real name is Ramón.

We are hearing a great deal of anti-immigration rhetoric these days, and some of it is even coming from public servants, which is disturbing. But what is far worse are the many unchallenged, swaggering, arrogant, immigrant-bashing voices across the land,

and those voices need to be reminded that arrogance is ignorance matured.

America is the oldest country in the world because it was the first to enter the 20th century, which was made possible in large measure because for the first 200 years of our history, America opened its doors wider and kept them open longer than any other nation on earth. The immigration issue is a vastly complex one that is worthy of an honest, intelligent, and compassionate debate, not blame, angry resentment, or the cowardly irresponsible bluster that so currently dominates so much of the popular media. And I think, from time to time we all need a very gentle reminder of how this great experiment in democracy got started.

"Not like the brazen giant of Greek fame,  
whose conquering limbs astride from land to land;  
Here at our sea-washed, sunset gates,  
shall stand  
A mighty woman with a torch, whose flame  
Is the imprisoned lightning, and her name  
Mother of Exiles. From her beacon-hand  
Glows world-wide welcome; her mild eyes command  
The air-bridged harbor that twin-cities frame.

"'Keep, ancient lands, your storied pomp!' cries she  
With silent lips. 'Give me your tired,  
your poor,  
Your huddled masses yearning to  
breath free,  
The wretched refuse of your teeming shore.  
Send these, the homeless, tempest-tossed to me.  
I lift my lamp beside the golden door!'"

Thank you. Now go out and change the world.

# Research

## Awards and Proposal Summary

05/01/2008 to 05/31/2008

### Awards Received

| Category               | No.       | Amount             |
|------------------------|-----------|--------------------|
| Research               | 60        | \$7,045,908        |
| Instructional Programs | 1         | \$450,386          |
| <b>Total:</b>          | <b>61</b> | <b>\$7,496,294</b> |

### Proposals Submitted

| Category               | No.       | Amount              |
|------------------------|-----------|---------------------|
| Research               | 58        | \$17,934,829        |
| Instructional Programs | 2         | \$374,266           |
| <b>Total:</b>          | <b>60</b> | <b>\$18,309,095</b> |

## May 2008 Cumulative summary

### Awards Received

| Category                 | 07.01.2005 - 05.31.2006 |                     | 07.01.2006 - 05.31.2007 |                     | 07.01.2007 - 05.31.2008 |                     |
|--------------------------|-------------------------|---------------------|-------------------------|---------------------|-------------------------|---------------------|
|                          | No.                     | Amount              | No.                     | Amount              | No.                     | Amount              |
| Research                 | 358                     | \$60,786,574        | 393                     | \$62,311,030        | 392                     | \$75,510,069        |
| Facilities and Equipment |                         |                     |                         |                     |                         |                     |
| Instructional Programs   | 3                       | \$308,546           | 6                       | \$729,452           | 11                      | \$1,501,791         |
| Other Programs           |                         |                     |                         |                     |                         |                     |
| Service Programs         |                         |                     |                         |                     | 1                       | \$6,500             |
| <b>Total:</b>            | <b>361</b>              | <b>\$61,095,120</b> | <b>399</b>              | <b>\$63,040,482</b> | <b>404</b>              | <b>\$77,018,360</b> |

### Proposals Submitted

| Category                 | 07.01.2005 - 05.31.2006 |                      | 07.01.2006 - 05.31.2007 |                      | 07.01.2007 - 05.31.2008 |                      |
|--------------------------|-------------------------|----------------------|-------------------------|----------------------|-------------------------|----------------------|
|                          | No.                     | Amount               | No.                     | Amount               | No.                     | Amount               |
| Research                 | 758                     | \$191,326,608        | 725                     | \$252,220,556        | 649                     | \$232,416,268        |
| Facilities and Equipment |                         |                      |                         |                      |                         |                      |
| Instructional Programs   | 23                      | \$4,317,101          | 34                      | \$3,968,117          | 31                      | \$3,239,245          |
| Other Programs           | 1                       | \$5,000              | 1                       | \$9,750              | 4                       | \$112,500            |
| Service Programs         |                         |                      |                         |                      |                         |                      |
| <b>Total:</b>            | <b>782</b>              | <b>\$195,648,709</b> | <b>760</b>              | <b>\$256,198,423</b> | <b>684</b>              | <b>\$235,768,013</b> |

All awards and proposals are credited in the Monthly Summaries report to the academic department of the primary principal investigator. The Office of Research proposal routing form asks principal investigators to indicate at the time the proposal is submitted which unit will be responsible for the conduct of the project. If that unit is a center or institute the proposal/award is included in the Centers/Institutes report that is a subset of the Monthly Summaries report.

The Office of Research is doing what it can to ensure all units receive credit for the proposals/awards they submit and receive. However, it depends on the PI to properly identify responsibility for the project at the time the proposal is submitted. Please notify the Office of Research at [research@nd.edu](mailto:research@nd.edu) or 631-7432 if you are aware of any proposals or awards that have not been properly credited to a center or institute.

**Awards received during the period May-01-2008 to May-31-2008**

| Investigator(s)                   | Title  | Sponsor                                 | Dollars   | Months |
|-----------------------------------|--|---|-----------|--------|
| <b><u>Awards for Research</u></b> |  |   |           |        |
| <b>Department or Office:</b>      | Aerospace and Mechanical Engineering   |   |           |        |
| Corke, Thomas C.                  | Wind Tunnel for Airbourne Platform Laser and Flight Control  | Department of the Air Force             | \$56,286  | 24     |
| Nelson, Robert C.                 |  |   |           |        |
| Thomas, Flint O.                  |  |   |           |        |
| Dunn, Patrick F.                  |  |   |           |        |
| (Center or Institute)             |  |   |           |        |
| Jumper, Eric J.                   |  |   |           |        |
| Morris, Scott C.                  |  |   |           |        |
| Niebur, Glen L.                   | Growth of Trabecular Bone Damage Due to Off-Axis Loads   | National Institutes of Health           | \$214,650 | 12     |
| Ovaert, Timothy C.                |  |   |           |        |
| Renaud, John E.                   | GOALI: Hybrid Cellular Automata for Topology and Topography Synthesis in Automotive Structural Design.                               | National Science Foundation             | \$274,095 | 36     |
| (Center or Institute)             |  |   |           |        |
| <b>Department or Office:</b>      | Anthropology   |   |           |        |
| Chesson, Meredith S.              | Numeira: Excavations at the Town Site (1977-1983) Volume 4 of the final Publications of the Expedition to the Dead Sea Plain, Jordan | Harvard University                      | \$30,000  | 9      |
| Chesson, Meredith S.              |  |   |           |        |
| Chesson, Meredith S.              | Place, Identity, and Connectivity In Bronze Age Calabria: Household Archaeology at Sant' Aniceto                                     | National Geographic Society             | \$24,733  | 18     |
| Schurr, Mark R.                   |  |   |           |        |
| Schurr, Mark R.                   | Register Nomination for the Collier Lodge Archaeological Site (12 Pr 36)   | Indiana Department of Natural Resources | \$4,842   | 13     |
| Sheridan, Susan G.                |  |   |           |        |
| Sheridan, Susan G.                | REU Site: Undergraduate Research in Biocultural Anthropology   | National Science Foundation             | \$90,087  | 36     |

**Awards received during the period May-01-2008 to May-31-2008**

| Investigator(s)   | Title   | Sponsor                                 | Dollars   | Months |
|---|---|---|-----------|--------|
| <b>Department or Office:</b> Biological Sciences  |   |   |           |        |
| Belovsky, Gary E.   | Contract to conduct laboratory and in situ experiments on brine shrimp  | State of Utah                           | \$69,001  | 12     |
| Boyd, Sunny K.<br>(Center or Institute)   | Computational Models for Neuroendocrine Control of Social Behavior  | National Science Foundation             | \$169,998 | 48     |
| Duman, John G.  | Collaborative Research: Deep Supercooling to -100C and Lower in Alaska Populations of the Beetle Cucujus Clavipes | National Science Foundation             | \$204,606 | 36     |
| Feder, Jeffrey L.   | Collaborative Research: Diapause Energetics in the Apple Maggot Rhagoletis Pormonella                             | National Science Foundation             | \$58,000  | 48     |
| Fraser, Malcolm J.  | Developing Transgenic Silkworms as Bioreactors for Novel Silk Fibers  | Corporate Funding                       | \$140,000 | 26     |
| Lamberti, Gary A.<br>(Center or Institute)  | Dean John A Knauss Marine Policy Fellowship   | University of Illinois-Urbana-Champaign | \$40,132  | 12     |
| Severson, David W.<br>Romero-Severson, Jeanne<br>(Center or Institute)<br>Streit, Thomas G. | Molecular Genetics of Dengue Resistance in Mosquitoes   | National Institutes of Health           | \$638,769 | 12     |

**Awards received during the period May-01-2008 to May-31-2008**

| Investigator(s)                             | Title  | Sponsor                         | Dollars   | Months |
|---|--|---------------------------------|-----------|--------|
| <b>Department or Office:</b>                | Chemical and Biomolecular Engineering  |                                 |           |        |
| Brennecke, Joan F.<br>(Center or Institute) | Ionic Liquids for CO2 Capture from Advanced Post-Combustion or Advanced Pre-Combustion Gases   | Private Foundation              | \$61,000  | 12     |
| Zhu, Yingxi E.                              | Water-Immersed Polymer Interfaces and the Role of their Materials Properties on Biolubrication | Department of Energy            | \$70,302  | 36     |
| <b>Department or Office:</b>                | Chemistry and Biochemistry   |                                 |           |        |
| DuBois, Jennifer                            | Cloning Expression and Characterization of Chlorite Dismutase from Dechloromonas Aromatic ...  | Environmental Protection Agency | \$37,000  | 36     |
| Helquist, Paul                              | Computational Design, Virtual Screening and Experimental Validation of Chiral Catalysts.       | American Chemical Society       | \$100,000 | 24     |
| Henderson, Kenneth W.                       | Development of s-Block Organometallic Reagents   | National Science Foundation     | \$121,000 | 36     |
| Kuno, Masaru K.                             | CAREER: Disorder induced optical heterogeneity in solution based straight/branched nanowires   | National Science Foundation     | \$110,000 | 36     |
| Mobashery, Shahriar                         | Resistance to Beta-Lactam Antibiotics  | National Institutes of Health   | \$64,061  | 12     |
| Smith, Bradley D.                           | Molecular Probes for Biomembrane Recognition   | National Institutes of Health   | \$329,812 | 36     |

**Awards received during the period May-01-2008 to May-31-2008**

| Investigator(s)   | Title   | Sponsor                            | Dollars   | Months |
|---|---|------------------------------------|-----------|--------|
| Taylor, Richard E.<br>(Center or Institute)                 | Conformation -<br>Activity Relationships  | National Institutes of<br>Health   | \$279,648 | 12     |
| Wiest, Olaf G.<br>(Center or Institute)                     | Antimicrobial Drug<br>Discovery Scheme for<br>Multi-Drug Resistant<br>Bacteria  | University of Pittsburgh           | \$32,922  | 12     |
| <b>Department or Office:</b>                                | Civil Engineering and Geological Sciences   |                                    |           |        |
| Fein, Jeremy B.   | The Role of Sulfhydryl<br>Sites on Bacterial Cell<br>Walls in Affecting<br>Metal Mobilities in<br>Contaminated<br>Groundwater<br>Systems. | Princeton University               | \$35,607  | 12     |
| Westerink, Joannes J.                                       | USACE - St. Charles<br>Parish Surge<br>Sensitivity Analysis   | Corporate Funding                  | \$8,00    | 9      |
| Westerink, Joannes J.                                       | USACE-Developing<br>Advanced Hurricane<br>Storm Surge Modeling<br>Capabilities-Research<br>Needs  | U.S. Army Corps of<br>Engineers    | \$72,723  | 8      |
| Westerink, Joannes J.                                       | USACE - Mississippi<br>River Surge<br>Propagation   | Corporate Funding                  | \$14,700  | 9      |
| <b>Department or Office:</b>                                | Computer Science & Engineering  |                                    |           |        |
| Chen, Danny Z.  | Graph-Based Medical<br>Image Segmentation<br>in 3D and 4D   | University of Iowa                 | \$96,532  | 34     |
| Kogge, Peter M.   | Support of ExaScale<br>Computing Feasibility<br>Study   | Georgia Institute of<br>Technology | \$17,771  | 19     |
| Poellabauer, Christian<br>Laneman, J. N.<br>Striegel, Aaron | NDMesh: A Test Bed<br>for Experimental<br>Research and<br>Education on Wireless<br>Mesh Networks  | Department of Navy                 | \$259,874 | 12     |

**Awards received during the period May-01-2008 to May-31-2008**

| Investigator(s)  | Title   | Sponsor                        | Dollars   | Months |
|--|---|--------------------------------|-----------|--------|
| Striegel, Aaron  | CAREER:<br>Transparent<br>Techniques for<br>Bandwidth<br>Conservation   | National Science<br>Foundation | \$12,000  | 60     |
| <b>Department or Office:</b>   | Electrical Engineering  |                                |           |        |
| Bernstein, Gary H.<br>Fay, Patrick J.  | Quilt Packaging<br>Development  | Corporate Funding              | \$63,000  | 4      |
| Hall, Douglas C.<br>(Center or Institute)  | High-Index-Contrast<br>Waveguides for<br>Enhanced<br>Optoelectronic<br>Devices and<br>Integration                     | National Science<br>Foundation | \$6,000   | 36     |
| Jena, Debdeep<br>(Center or Institute)   | Diodes Fabricated<br>from BTD-grown GaN   | Corporate Funding              | \$30,150  | 7      |
| Porod, Wolfgang<br>Bernstein, Gary H.<br>Fay, Patrick J.<br>Huang, Yih-Fang<br>(Center or Institute) | Biologically-Inspired<br>CNN Image<br>Processors with<br>Dynamically-Integrated<br>Hyperspectral<br>Nanoscale Sensors | Department of Navy             | \$160,965 | 62     |
| Porod, Wolfgang<br>Bernstein, Gary H.<br>Fay, Patrick J.<br>Huang, Yih-Fang<br>(Center or Institute) | Biologically-Inspired<br>CNN Image<br>Processors with<br>Dynamically-Integrated<br>Hyperspectral<br>Nanoscale Sensors | Department of Navy             | \$266,675 | 62     |
| Porod, Wolfgang<br>Bernstein, Gary H.<br>(Center or Institute)                                       | South West Academy<br>for Nonoelectronics<br>(SWAN)   | University of Texas            | \$50,000  | 12     |



**Awards received during the period May-01-2008 to May-31-2008**

| Investigator(s)   | Title   | Sponsor                               | Dollars   | Months |
|---|---|---------------------------------------|-----------|--------|
| <b>Department or Office:</b> English                        |   |                                       |           |        |
| Hall, Thomas N.   | Digital Edition of Cambridge, Pembroke MS 25  | Western Michigan University           | \$7,500   | 12     |
| <b>Department or Office:</b> History                        |   |                                       |           |        |
| Lyandres, Semion  | The Fall of Tsarism: Untold Stories of the February 1917 Revolution: Translation and Annotations.                     | National Endowment for the Humanities | \$35,000  | 12     |
| Noble, Thomas F.<br>Roche, Mark W.<br>(Center or Institute) | Advancing Byzantine Studies at the University of Notre Dame   | Private Foundation                    | \$800,000 | 12     |
| Noll, Mark  | Bradley Fellowship Program  | Private Foundation                    | \$25,000  | 12     |
| <b>Department or Office:</b> Institute for Church Life      |   |                                       |           |        |
| Cavadini, John C.   | New Wine, New Wineskins   | Private Foundation                    | \$15,482  | 26     |
| <b>Department or Office:</b> J&B Glynn Chair                |   |                                       |           |        |
| Doody, Margaret A.  | Visiting Professorship at Princeton University  | Princeton University                  | \$274,575 | 10     |
| <b>Department or Office:</b> Mathematics                    |   |                                       |           |        |
| Akai, Terrence J.<br>(Center or Institute)                  | Jacob Javits Fellowship   | Department of Education               | \$41,822  | 48     |
| Shaw, Mei-Chi   | Partial Differential Equations in Several Complex Variables.  | National Science Foundation           | \$172,455 | 36     |
| Stolz, Stephan A.   | FRG: Collaborative Research: How the Algebraic Topology of Closed Manifolds Relates to Strings and 2D Quantum Theory. | National Science Foundation           | \$204,912 | 36     |

**Awards received during the period May-01-2008 to May-31-2008**

| Investigator(s)  | Title   | Sponsor                                       | Dollars   | Months |
|--|---|---|-----------|--------|
| Zhang, Yongtao   | ORAU: High Order Accuracy Numerical Methods on Unstructured Meshes and Their Applications in Computational Biology. | Oak Ridge Associated Universities             | \$5,000   | 12     |
| <b>Department or Office:</b>                                 | Chemical and Biomolecular Engineering   |   |           |        |
| Kilpatrick, Peter K.   | Probing the Role of Heavy Metal Atoms in Asphaltene Aggregation   | Corporate Funding                             | \$199,751 | 12     |
| <b>Department or Office:</b>                                 | Physics   |   |           |        |
| Balsara, Dinshaw S.<br>(Center or Institute)<br>Howk, Jay C. | Simulating the Turbulent, Multiphase Intersellar Medium: Comparing with Observations                                | National Science Foundation                   | \$118,073 | 36     |
| Kolata, James J.   | Nuclear Reactions with Short-Lived Nuclear Beams  | University of Michigan                        | \$94,653  | 24     |
| Lehner, Nicolas<br>Howk, Jay C.                              | Galactic Winds, Accretion, and Tidal Stripping in the Nearest Galaxies: A Far-UV Study of The Magellanic Clouds.    | National Aeronautics and Space Administration | \$72,243  | 24     |
| Wayne, Mitchell R.   | Jadwiga Warchol Salary and Benefits   | Fermi National Laboratory                     | \$46,332  | 12     |
| <b>Department or Office:</b>                                 | Political Science   |   |           |        |
| O'Donnell, Guillermo A.<br>(Center or Institute)             | Residential Fellowship at Oxford  | University of Oxford                          | \$4,430   | 10     |
| <b>Department or Office:</b>                                 | Program of Liberal Studies  |   |           |        |
| Stapleford, Thomas A.  | Home & Market: Women, Economics, and the Study of Consumption 1910-1960.  | American Academy of Arts & Sciences           | \$34,500  | 8      |

**Awards received during the period May-01-2008 to May-31-2008**

| Investigator(s)  | Title   | Sponsor                                    | Dollars   | Months |
|--|---|--|-----------|--------|
| <b>Department or Office:</b> Psychology                                      |   |  |           |        |
| Cummings, E. M.<br>(Center or Institute)<br>Darby, John<br>Maxwell, Scott E. | Children and Political<br>Violence in Northern<br>Ireland                   | National Institutes of<br>Health           | \$266,489 | 12     |
| Maxwell, Scott E.  | Editorship of<br>Psychological<br>Methods Journal                           | Private Foundation                         | \$23,500  | 60     |
| <b>Department or Office:</b> Robinson Community Learning Center              |   |  |           |        |
| Caponigro, Jerome V.<br>(Center or Institute)                                | Supplemental Service<br>Provider Project                                    | South Bend Community<br>School Corporation | \$14,250  | 9      |
| Caponigro, Jerome V.<br>(Center or Institute)                                | Engaging the Wisdom<br>and Experience of<br>Older Adults for Civic<br>Good. | Private Foundation                         | \$25,000  | 14     |
| <b>Department or Office:</b> Sociology                                       |   |  |           |        |
| Cardenas, Gilberto<br>(Center or Institute)                                  | Building Tomorrow's<br>Chicago: A Funding<br>Collaborative                  | Private Foundation                         | \$250,000 | 12     |
| <b><u>Awards for Instructional Programs</u></b>                              |   |  |           |        |
| <b>Department or Office:</b> Upward Bound                                    |   |  |           |        |
| Coates, Alyssia J.   | Upward Bound  | Department of Education                    | \$450,386 | 48     |

**Proposals submitted during the period May-01-2008 to May-31-2008**

| Investigator(s)   | Title  | Sponsor                                  | Dollars     | Months |
|---|--|--|-------------|--------|
| <b><u>Proposals for Research</u></b>  |  |  |             |        |
| <b>Department or Office:</b>  | Aerospace and Mechanical Engineering   |  |             |        |
| Corke, Thomas C.  | SDBD Plasm Actuator<br>Enhanced Convective<br>Heat Transfer.   | Corporate Funding                        | \$363,255   | 18     |
| Goodwine, John W.   | Fundamental Methods for<br>Control Humanoid<br>Robotic Locomotion.   | Corporate Funding                        | \$0         | 12     |
| Gordeyev, Stanislav V.<br>Jumper, Eric J.   | The Physics of<br>Boundary-Layer<br>Aero-Optic Effects.  | Department of the Air Force              | \$345,208   | 36     |
| Jumper, Eric J.<br>Gordeyev, Stanislav V.<br>Cavalieri, David   | Directed Energy Beam<br>Improvement by<br>Expanding the Field of<br>Regard   | Corporate Funding                        | \$802,893   | 36     |
| Morris, Scott C.  | The 2030 Aircraft: Quiet<br>Ultra-Efficient Integrated<br>Aircraft Using Co-Flow<br>Jet Flow Control.                    | University of Miami                      | \$273,071   | 18     |
| Renaud, John E.<br>Ovaert, Timothy C.<br>Schmid, Steven R.<br>Mukasyan, Alexander S.<br>Tomar, Vikas<br>McGinn, Paul J. | Hybrid Cellular Automata<br>for Vehicle Structural<br>Design for Improved<br>Soldier Crash Safety &<br>Survivability.    | Mississippi State University             | \$1,143,690 | 12     |
| Sen, Mihir  | Intelligent Control for the<br>Optimization of Solar<br>Residential Systems.   | Ohio Northern University                 | \$284,583   | 60     |
| Wang, Meng<br>Corke, Thomas C.  | Numerical and<br>Experimental<br>Investigation of<br>Separation Control for<br>Compressible Turbulent<br>Boundary Layers | Department of the Air Force              | \$529,659   | 36     |
| <b>Department or Office:</b>  | Art, Art History and Design  |  |             |        |
| Barber, Charles E.  | Poetics and Painting in<br>the Art of Renaissance<br>Crete.  | National Endowment for the<br>Humanities | \$50,400    | 12     |
| <b>Department or Office:</b>  | Biological Sciences  |  |             |        |
| Feder, Jeffrey L.<br>Lodge, David M.<br>Toroczka, Zoltan  | A Network Approach for<br>Lymphatic Filariasis<br>Eradication and<br>Evaluating Drug<br>Resistance Risks on<br>Haiti.    | Private Foundation                       | \$100,000   | 12     |

**Proposals submitted during the period May-01-2008 to May-31-2008**

| Investigator(s)  | Title   | Sponsor                                    | Dollars     | Months |
|--|---|--|-------------|--------|
| Hager, Kristin M.  | Secreted Virulence Factors in Toxoplasma gondii   | National Institutes of Health              | \$262,500   | 12     |
| Hollocher, Hope<br>Madey, Gregory R.<br>Fuentes, Agustin         | Agent-based Modeling to Target Intervention Strategies.   | Private Foundation                         | \$100,000   | 12     |
| Lamberti, Gary A.  | Saint Croix National Scenic Riverway Understanding Fish Habitat History in the Namekagon River-Cold Water Zone. | National Park Service                      | \$15,000    | 7      |
| Lodge, David M.  | Aquatic Invasive Species Risk Assessment for the Chicago Sanitary and Ship Canal.                               | U.S. Army Corps of Engineers               | \$79,759    | 16     |
| Lodge, David M.<br>Hellmann, Jessica J.                          | What Difference Will Climate Change Make to Managing Valued and Invasive Species?                               | Association of Fish and Wildlife Agencies  | \$724,038   | 36     |
| McDowell, Mary A.  | Mosquito Saliva and Immunity to Malaria.  | Private Foundation                         | \$100,000   | 12     |
| Severson, David W.   | Analysis of the Functions of Axon Guidance Molecules During Mosquito Development.                               | Indiana University-School of Medicine      | \$375,000   | 60     |
| Severson, David W.   | Midgut Bacteria in Aedes Aegypti and vector Competence.   | National Institutes of Health              | \$40,320    | 12     |
| Suckow, Mark A.  | Chemotherapy of Invasive Prostate Cancer by Selenium Derivative of Celecoxib.                                   | Penn State College of Medicine             | \$69,948    | 12     |
| Vaughan, Kevin T.  | Microtubule-Dependent Transport of NPC-Containing Membranes.  | Ara Parseghian Medical Research Foundation | \$249,700   | 24     |
| <b>Department or Office:</b>                                     | Chemical and Biomolecular Engineering   |  |             |        |
| Maginn, Edward J.<br>Schneider, William F.<br>Brennecke, Joan F. | Ionic Liquids: Breakthrough Absorption Technology for Post-Combustion CO <sub>2</sub> Capture.                  | Department of Energy                       | \$2,479,253 | 24     |

**Proposals submitted during the period May-01-2008 to May-31-2008**

| Investigator(s)                                | Title  | Sponsor  | Dollars     | Months |
|--|--|--|-------------|--------|
| Zhu, Yingxi E.                                 | Supplement:<br>Water-Immersed Polymer<br>Interfaces and the Roles<br>of Their Materials<br>Properties on<br>Biolubrication | Department of Energy                             | \$150,000   | 33     |
| <b>Department or Office:</b>                   | Chemistry and Biochemistry   |  |             |        |
| Castellino, Francis J.                         | Plasminogen and<br>Plasmin: Structure and<br>Function  | National Institutes of Health                    | \$375,000   | 12     |
| Castellino, Francis J.<br>Ploplis, Victoria A. | Pathophysiologies<br>Involving<br>Hemostasis-related<br>Genes.   | National Institutes of Health                    | \$2,032,541 | 12     |
| Clark, Patricia L.                             | Minimizing Antibiotic<br>Resistance By Disrupting<br>Extracellular Virulence.<br>Proteins.                                 | Private Foundation                               | \$100,000   | 12     |
| Hartland, Gregory V.                           | Gold Nanocages as a<br>New Class of Therapeutic<br>Agents for Photothermal<br>Cancer Treatment.                            | Washington University in St.<br>Louis            | \$447,566   | 12     |
| Mobashery, Shahriar                            | Targeting MT-MMPs in<br>Cancer Progression.  | Wayne State University                           | \$987,278   | 60     |
| <b>Department or Office:</b>                   | Civil Engineering and Geological Sciences  |  |             |        |
| Neal, Clive R.                                 | Crystal Stratigraphy in<br>the Analysis of Planetary<br>Materials.   | National Aeronautics and<br>Space Administration | \$591,750   | 36     |
| Westerink, Joannes J.                          | USACE - St. Charles<br>Parish Surge Sensitivity<br>Analysis  | Corporate Funding                                | \$8,000     | 10     |
| Westerink, Joannes J.                          | USACE - Mississippi<br>River Surge Propagation   | Corporate Funding                                | \$14,700    | 10     |
| <b>Department or Office:</b>                   | Computer Science & Engineering   |  |             |        |
| Bowyer, Kevin W.                               | Automated Entity<br>Classification In Video<br>Using Soft Biometrics.  | Corporate Funding                                | \$20,000    | 6      |
| Chawla, Nitesh V.                              | Knowledge Management<br>Framework for Boeing.  | Corporate Funding                                | \$244,393   | 27     |
| Hu, Xiaobo                                     | Hardware Accelerated<br>Replanning - A New<br>Paradigm of Radiation<br>Therapy.  | Medical College of<br>Wisconsin                  | \$135,971   | 60     |
| Kogge, Peter M.                                | Exascale Computing<br>Software Study.  | Georgia Institute of<br>Technology               | \$70,000    | 9      |

**Proposals submitted during the period May-01-2008 to May-31-2008**

| Investigator(s)              | Title  | Sponsor                               | Dollars   | Months |
|------------------------------|--|---------------------------------------|-----------|--------|
| <b>Department or Office:</b> | East Asian Languages and Literatures   |                                       |           |        |
| Lin, Sylvia L.               | Between Memory and History: Documentary Films on Atrocity in Taiwan  | National Endowment for the Humanities | \$46,200  | 11     |
| Shamoon, Deborah M.          | Passionate Friendship: The Aesthetics of Girls' Culture in Japan   | National Endowment for the Humanities | \$50,400  | 12     |
| <b>Department or Office:</b> | Economics and Econometrics   |                                       |           |        |
| Hungerman, Daniel M.         | Conference and Book on Economics and Religion.   | National Bureau of Economic Research  | \$47,995  | 24     |
| <b>Department or Office:</b> | Electrical Engineering   |                                       |           |        |
| Laneman, J. N.               | Software Radio for Public Safety Communications.   | Corporate Funding                     | \$19,986  | 12     |
| <b>Department or Office:</b> | Gender Studies Program   |                                       |           |        |
| White, Sophie K.             | "Clothing and Colonization in French Louisiana and the Mississippi Valley 1673-1769."                          | National Endowment for the Humanities | \$50,400  | 12     |
| <b>Department or Office:</b> | History  |                                       |           |        |
| Lyandres, Semion             | The Fall of Tsarism: Untold Stories of the February 1917 Revolution: Translation and Annotations.              | National Endowment for the Humanities | \$46,200  | 11     |
| Przybyszewski, Linda         | The Cincinnati Bible War, Competing Theories of Church and State, and the Origins of Modern Religious Liberty. | National Endowment for the Humanities | \$50,400  | 12     |
| <b>Department or Office:</b> | Institute for Latino Studies   |                                       |           |        |
| Brown-Gort, Allert R.        | Spillovers of Healthy Lifestyle Changes in Latino Families: The Case of South Bend, Indiana                    | Private Foundation                    | \$108,788 | 8      |
| <b>Department or Office:</b> | Irish Language and Literature  |                                       |           |        |
| McKibben, Sarah E.           | Endangered Masculinities: Gender, Sexuality and Colonialism in Early Modern Literature in Irish, 1540-1780.    | National Endowment for the Humanities | \$46,200  | 11     |

**Proposals submitted during the period May-01-2008 to May-31-2008**

| Investigator(s)  | Title  | Sponsor                                       | Dollars     | Months |
|--|--|---|-------------|--------|
| <b>Department or Office:</b>   | J&B Glynn Chair  |   |             |        |
| Doody, Margaret A.   | Visiting Professorship at Princeton University   | Princeton University                          | \$205,700   | 10     |
| <b>Department or Office:</b>   | Marketing Management   |   |             |        |
| Moore, Elizabeth S.  | Evaluating Self-Regulation of Children's Food Marketing.   | William Mitchell College of Law               | \$96,880    | 24     |
| <b>Department or Office:</b>   | Mathematics  |   |             |        |
| Cholak, Peter A.<br>Buechler, Steven A.<br>Knight, Julia F.<br>Starchenko, Sergei                          | EMSW21-RTG-Notre Dame's Mathematical Logic Program.  | National Science Foundation                   | \$1,178,000 | 60     |
| <b>Department or Office:</b>   | Chemical and Biomolecular Engineering  |   |             |        |
| Kilpatrick, Peter K.   | Energy Efficient Electron Beam Processing of Petroleum and Petrochemicals.                             | Corporate Funding                             | \$1,297,265 | 24     |
| <b>Department or Office:</b>   | Physics  |   |             |        |
| LaVerne, Jay A.<br>Pimblott, Simon M.  | Radiolytic Degradation of Chlorinated Polymers in Nuclear Fuel Separation.                             | Department of Energy                          | \$135,000   | 12     |
| Rettig, Terrence W.<br>Balsara, Dinshaw S.   | Gas and Dust Settling in Preplanetary Disks Around Young Stars.  | National Aeronautics and Space Administration | \$324,230   | 36     |
| Ruggiero, Steven T.  | Gas Detector Array for On-line Leak Detection and Imaging.   | Corporate Funding                             | \$114,305   | 12     |
| Tanner, Carol E.   | Absolute Optical Frequency Measurements in Neutral Silver: Toward the Realization of an Optical Clock. | National Institute Standards & Technology     | \$150,000   | 36     |
| Wayne, Mitchell R.<br>Ruchti, Randal C.<br>Karmgard, Daniel J.<br>Jessop, Colin P.<br>Hildreth, Michael D. | USCMS Project Memoranda of Understanding - Five Components.  | Fermi National Laboratory                     | \$164,748   | 12     |



**Proposals submitted during the period May-01-2008 to May-31-2008**

| Investigator(s)   | Title  | Sponsor                               | Dollars   | Months |
|---|--|---------------------------------------|-----------|--------|
| <b>Department or Office:</b> Political Science                      |  |                                       |           |        |
| Botting, Eileen H.  | Inventing Feminism: Wollstonecraft, Mill, and Women's Rights Activism.             | National Endowment for the Humanities | \$50,400  | 12     |
| Lopez, George A.  | Counter-Terrorism and Development: Avoiding Adverse Consequences.                  | Private Foundation                    | \$35,256  | 17     |
| <b>Department or Office:</b> Program of Liberal Studies             |  |                                       |           |        |
| Mongrain, Kevin J.  | A Christian Secularist: Hans Urs Von Balthasar's Political Theology.               | National Endowment for the Humanities | \$46,200  | 11     |
| <b>Department or Office:</b> Robinson Community Learning Center     |  |                                       |           |        |
| Caponigro, Jerome V.  | Engaging the Wisdom and Experience of Older Adults for Civic Good.                 | Private Foundation                    | \$25,000  | 14     |
| <b>Department or Office:</b> Theology                               |  |                                       |           |        |
| Anderson, Gary A.   | Almsgiving in Early Judaism and Christianity.                                      | National Endowment for the Humanities | \$50,400  | 12     |
| Clairmont, David A.   | Person as Classic: Moral Struggle and Comparative Religious Ethics.                | National Endowment for the Humanities | \$29,400  | 7      |
| <b><u>Proposals for Instructional Programs</u></b>                  |  |                                       |           |        |
| <b>Department or Office:</b> Aerospace and Mechanical Engineering   |  |                                       |           |        |
| Goodwine, John W.   | A New Modular Undergraduate Intellectual Property Course for Engineering Students. | National Science Foundation           | \$145,074 | 24     |
| <b>Department or Office:</b> Political Science                      |  |                                       |           |        |
| Zuckert, Catherine H.<br>Zuckert, Michael P.<br>Barber, Sotirios A. | Towards a Post-Positivist Political Science.                                       | Private Foundation                    | \$229,192 | 16     |

## Awards and Proposal Summary

### Centers and Institutes Report

05/01/2008 to 05/31/2008

#### Awards Received

| Department or Office                             | No.       | Amount             |
|--|-----------|--------------------|
| Center for Aquatic Conservation                  | 1         | \$40,132           |
| Center for Astrophysics                          | 1         | \$118,073          |
| Center for Children and Families                 | 1         | \$266,489          |
| Center for Flow Physics and Control              | 2         | \$330,381          |
| Center for Global Health and Infectious Diseases | 1         | \$638,769          |
| Center for Research Computing                    | 1         | \$32,922           |
| Environmental Research Center                    | 1         | \$169,998          |
| Institute for Latino Studies                     | 1         | \$250,000          |
| Kellogg Institute for International Studies      | 1         | \$4,430            |
| Medieval Institute                               | 1         | \$800,000          |
| ND Energy Center                                 | 1         | \$61,000           |
| Nano Science and Technology Center               | 5         | \$513,790          |
| Robinson Community Learning Center               | 2         | \$39,250           |
| The Graduate School (Other)                      | 1         | \$41,822           |
| Walther Cancer Research Center                   | 1         | \$279,648          |
| <b>Total:</b>                                    | <b>21</b> | <b>\$3,586,704</b> |

#### Proposals Submitted

| Department or Office                             | No.       | Amount             |
|--|-----------|--------------------|
| Center for Aquatic Conservation                  | 3         | \$818,797          |
| Center for Flow Physics and Control              | 5         | \$2,314,086        |
| Center for Global Health and Infectious Diseases | 5         | \$877,820          |
| Center for Microfluidics and Medical Diagnostics | 1         | \$150,000          |
| Center for Transgene Research                    | 2         | \$2,407,541        |
| Freimann Life Science Center                     | 1         | \$69,948           |
| Institute for Latino Studies                     | 1         | \$108,788          |
| Kroc Institute for International Peace Studies   | 1         | \$35,256           |
| Radiation Laboratory                             | 1         | \$135,000          |
| Robinson Community Learning Center               | 1         | \$25,000           |
| <b>Total:</b>                                    | <b>21</b> | <b>\$6,942,236</b> |

**Awards and Proposal Summary****Centers and Institutes Report**

07/01/2007 to 05/31/2008

**Awards Received**

| <b>Department or Office</b>                             | <b>No.</b> | <b>Amount</b> |
|---|------------|---------------|
| ACE Educational Outreach                                | 2          | \$85,000      |
| Alliance for Catholic Education                         | 2          | \$302,500     |
| Biological Sciences                                     | 2          | \$214,853     |
| Center for Applied Mathematics                          | 1          | \$120,000     |
| Center for Aquatic Conservation                         | 3          | \$995,769     |
| Center for Astrophysics                                 | 7          | \$471,456     |
| Center for Children and Families                        | 6          | \$2,801,402   |
| Center for Flow Physics and Control                     | 26         | \$3,232,365   |
| Center for Global Health and Infectious Diseases        | 17         | \$9,057,320   |
| Center for Microfluidics and Medical Diagnostics        | 4          | \$1,676,822   |
| Center for Research Computing                           | 2          | \$131,254     |
| Center for Social Concerns                              | 2          | \$13,374      |
| Center for Transgene Research                           | 1          | \$355,568     |
| Center for Zebrafish Research                           | 1          | \$250,547     |
| Center for the Study of Religion and Society            | 1          | \$25,000      |
| Environmental Research Center                           | 2          | \$339,996     |
| Freimann Life Science Center                            | 6          | \$262,235     |
| Gigot Center  | 1          | \$14,700      |
| Institute for Church Life                               | 2          | \$160,000     |
| Institute for Educational Initiatives                   | 1          | \$50,000      |
| Institute for Latino Studies                            | 8          | \$568,930     |
| Institute for Theoretical Sciences                      | 1          | \$57,976      |
| Interdisciplinary Center for the Study of Biocomplexity | 1          | \$346,252     |
| John A. Kaneb Center for Teaching and Learning          | 1          | \$42,880      |
| Joint Institute for Nuclear Astrophysics                | 4          | \$2,266,604   |
| Kellogg Institute for International Studies             | 4          | \$175,055     |
| Medieval Institute                                      | 5          | \$940,400     |
| ND Energy Center  | 5          | \$262,190     |
| Nano Science and Technology Center                      | 27         | \$4,601,354   |
| Nuclear Structure Laboratory                            | 5          | \$3,566,250   |
| Radiation Laboratory                                    | 5          | \$4,182,918   |
| Robinson Community Learning Center                      | 7          | \$170,250     |
| The Graduate School (Other)                             | 2          | \$163,322     |

## Awards and Proposal Summary

### Centers and Institutes Report

07/01/2007 to 05/31/2008

| Department or Office           | No.        | Amount              |
|--------------------------------|------------|---------------------|
| Walther Cancer Research Center | 5          | \$1,253,200         |
| <b>Total:</b>                  | <b>169</b> | <b>\$39,157,742</b> |

### Proposals Submitted

| Department or Office                                    | No. | Amount       |
|---|-----|--------------|
| ACE Educational Outreach                                | 2   | \$85,000     |
| Alliance for Catholic Education                         | 1   | \$25,000     |
| Biological Sciences                                     | 1   | \$45,883     |
| Center for Applied Mathematics                          | 1   | \$1,113,246  |
| Center for Aquatic Conservation                         | 14  | \$8,929,831  |
| Center for Astrophysics                                 | 9   | \$2,173,350  |
| Center for Children and Families                        | 3   | \$1,238,013  |
| Center for Complex Network Research                     | 4   | \$1,062,728  |
| Center for Educational Opportunity                      | 1   | \$35,000     |
| Center for Ethics and Culture                           | 1   | \$103,500    |
| Center for Flow Physics and Control                     | 23  | \$5,936,393  |
| Center for Global Health and Infectious Diseases        | 26  | \$11,919,655 |
| Center for Microfluidics and Medical Diagnostics        | 5   | \$1,265,747  |
| Center for Philosophy of Religion                       | 4   | \$120,000    |
| Center for Social Concerns                              | 1   | \$2,500      |
| Center for Transgene Research                           | 8   | \$5,669,688  |
| Center for Zebrafish Research                           | 14  | \$3,088,015  |
| Center for the Study of Religion and Society            | 1   | \$25,000     |
| Department of Athletics                                 | 1   | \$30,000     |
| East Asian Languages and Literatures                    | 1   | \$1,500,000  |
| Environmental Research Center                           | 2   | \$525,110    |
| Freimann Life Science Center                            | 8   | \$870,688    |
| Institute for Church Life                               | 2   | \$547,000    |
| Institute for Educational Initiatives                   | 5   | \$371,000    |
| Institute for Latino Studies                            | 12  | \$1,232,151  |
| Institute for Theoretical Sciences                      | 1   | \$86,964     |
| Interdisciplinary Center for the Study of Biocomplexity | 4   | \$1,659,825  |
| John A. Kaneb Center for Teaching and Learning          | 1   | \$42,880     |
| Joint Institute for Nuclear Astrophysics                | 6   | \$30,967,291 |
| Kellogg Institute for International Studies             | 5   | \$180,000    |
| Keough Institute for Irish Studies                      | 2   | \$172,526    |
| Kroc Institute for International Peace Studies          | 6   | \$962,465    |
| Lobund Laboratory                                       | 1   | \$69,203     |
| Medieval Institute                                      | 3   | \$960,000    |
| ND Energy Center  | 8   | \$7,409,288  |
| Nano Science and Technology Center                      | 29  | \$16,461,318 |

**Awards and Proposal Summary****Centers and Institutes Report****07/01/2007 to 05/31/2008**

| <b>Department or Office</b>        | <b>No.</b> | <b>Amount</b>        |
|------------------------------------|------------|----------------------|
| Nuclear Structure Laboratory       | 2          | \$9,955,879          |
| Performing Arts Center             | 1          | \$100,000            |
| Radiation Laboratory               | 8          | \$1,573,553          |
| Robinson Community Learning Center | 19         | \$486,180            |
| Walther Cancer Institute Chair I   | 1          | \$225,000            |
| Walther Cancer Research Center     | 6          | \$1,776,309          |
| <b>Total:</b>                      | <b>253</b> | <b>\$121,003,179</b> |

**Awards received during the period May-01-2008 to May-31-2008**

**Centers and Institutes Report**

| Investigator(s)   | Title   | Sponsor                                    | Dollars   | Award #    |
|---|---|--|-----------|------------|
| <b><u>Awards for Research</u></b>   |   |  |           |            |
| <b>Department or Office:</b> Center for Aquatic Conservation                  |   |  |           |            |
| Lamberti, Gary A.<br>(Center or Institute)                                    | Dean John A Knauss<br>Marine Policy<br>Fellowship   | University of<br>Illinois-Urbana-Champaign | \$40,132  | 007397-001 |
| <b>Department or Office:</b> Center for Astrophysics                          |   |  |           |            |
| Balsara, Dinshaw S.<br>(Center or Institute)                                  | Simulating the<br>Turbulent, Multiphase<br>Intersellar Medium:<br>Comparing with<br>Observations                      | National Science<br>Foundation             | \$118,073 | 006821-001 |
| Howk, Jay C.  |   |  |           |            |
| <b>Department or Office:</b> Center for Children and Families                 |   |  |           |            |
| Cummings, E. M.<br>(Center or Institute)                                      | Children and Political<br>Violence in Northern<br>Ireland   | National Institutes of<br>Health           | \$266,489 | 006518-001 |
| Darby, John   |   |  |           |            |
| Maxwell, Scott E.   |   |  |           |            |
| <b>Department or Office:</b> Center for Flow Physics and Control              |   |  |           |            |
| Renaud, John E.<br>(Center or Institute)                                      | GOALI: Hybrid Cellular<br>Automata for Topology<br>and Topography<br>Synthesis in<br>Automotive Structural<br>Design. | National Science<br>Foundation             | \$274,095 | 007405-001 |
| Corke, Thomas C.  | Wind Tunnel for   | Department of the Air                      | \$56,286  | 006833-001 |
| Nelson, Robert C.   | Airbourne Platform  | Force                                      |           |            |
| Thomas, Flint O.  | Laser and Flight  |  |           |            |
| Dunn, Patrick F.<br>(Center or Institute)                                     | Control   |  |           |            |
| Jumper, Eric J.   |   |  |           |            |
| Morris, Scott C.  |   |  |           |            |
| <b>Department or Office:</b> Center for Global Health and Infectious Diseases |   |  |           |            |
| Severson, David W.  | Molecular Genetics of   | National Institutes of                     | \$638,769 | 006275-001 |
| Romero-Severson, Jeanne<br>(Center or Institute)                              | Dengue Resistance in<br>Mosquitoes  | Health                                     |           |            |
| Streit, Thomas G.   |   |  |           |            |

**Awards received during the period May-01-2008 to May-31-2008****Centers and Institutes Report**

| <b>Investigator(s)</b>   | <b>Title</b>   | <b>Sponsor</b>                 | <b>Dollars</b> | <b>Award #</b> |
|--|--|--------------------------------|----------------|----------------|
| <b>Department or Office:</b> Center for Research Computing               |  |                                |                |                |
| Wiest, Olaf G.<br>(Center or Institute)                                  | Antimicrobial Drug<br>Discovery Scheme for<br>Multi-Drug Resistant<br>Bacteria                                 | University of Pittsburgh       | \$32,922       | 006902-001     |
| <b>Department or Office:</b> Environmental Research Center               |  |                                |                |                |
| Boyd, Sunny K.<br>(Center or Institute)                                  | Comutational Models<br>for Neuroendocrine<br>Control of Social<br>Behavior                                     | National Science<br>Foundation | \$169,998      | 007175-001     |
| <b>Department or Office:</b> Institute for Latino Studies                |  |                                |                |                |
| Cardenas, Gilberto<br>(Center or Institute)                              | Building Tomorrow's<br>Chicago: A Funding<br>Collaborative   | Private Foundation             | \$250,000      | 007414-001     |
| <b>Department or Office:</b> Kellogg Institute for International Studies |  |                                |                |                |
| O'Donnell, Guillermo A.<br>(Center or Institute)                         | Residential Fellowship<br>at Oxford  | University of Oxford           | \$4,430        | 007161-001     |
| <b>Department or Office:</b> Medieval Institute                          |  |                                |                |                |
| Noble, Thomas F.<br>Roche, Mark W.<br>(Center or Institute)              | Advancing Byzantine<br>Studies at the<br>University of Notre<br>Dame   | Private Foundation             | \$800,000      | 007400-001     |
| <b>Department or Office:</b> ND Energy Center                            |  |                                |                |                |
| Brennecke, Joan F.<br>(Center or Institute)                              | Ionic Liquids for CO2<br>Capture from<br>Advanced<br>Post-Combustion or<br>Advanced<br>Pre-Combustion<br>Gases | Private Foundation             | \$61,000       | 007358-001     |
| <b>Department or Office:</b> Nano Science and Technology Center          |  |                                |                |                |
| Jena, Debdeep<br>(Center or Institute)                                   | Diodes Fabricated<br>from BTd-grown GaN  | Corporate Funding              | \$30,150       | 007408-001     |

**Awards received during the period May-01-2008 to May-31-2008****Centers and Institutes Report**

| <b>Investigator(s)</b>   | <b>Title</b>  | <b>Sponsor</b>                             | <b>Dollars</b> | <b>Award #</b> |
|--|---|--|----------------|----------------|
| Porod, Wolfgang<br>Bernstein, Gary H.<br>Fay, Patrick J.<br>Huang, Yih-Fang<br>(Center or Institute) | Biologically-Inspired<br>CNN Image<br>Processors with<br>Dynamically-Integrated<br>Hyperspectral<br>Nanoscale Sensors | Department of Navy                         | \$266,675      | 006071-001     |
| Porod, Wolfgang<br>Bernstein, Gary H.<br>Fay, Patrick J.<br>Huang, Yih-Fang<br>(Center or Institute) | Biologically-Inspired<br>CNN Image<br>Processors with<br>Dynamically-Integrated<br>Hyperspectral<br>Nanoscale Sensors | Department of Navy                         | \$160,965      | 006071-001     |
| Porod, Wolfgang<br>Bernstein, Gary H.<br>(Center or Institute)                                       | South West Academy<br>for Nonoelectronics<br>(SWAN)   | University of Texas                        | \$50,000       | 006973-001     |
| Hall, Douglas C.<br>(Center or Institute)  | High-Index-Contrast<br>Waveguides for<br>Enhanced<br>Optoelectronic<br>Devices and<br>Integration                     | National Science<br>Foundation             | \$6,000        | 007068-001     |
| <b>Department or Office:</b>   | Robinson Community Learning Center  |  |                |                |
| Caponigro, Jerome V.<br>(Center or Institute)  | Engaging the Wisdom<br>and Experience of<br>Older Adults for Civic<br>Good.   | Private Foundation                         | \$25,000       | 007406-001     |
| Caponigro, Jerome V.<br>(Center or Institute)  | Supplemental Service<br>Provider Project  | South Bend Community<br>School Corporation | \$14,250       | 007330-001     |
| <b>Department or Office:</b>   | The Graduate School (Other)   |  |                |                |
| Akai, Terrence J.<br>(Center or Institute)   | Jacob Javits<br>Fellowship  | Department of Education                    | \$41,822       | 006607-001     |



**Awards received during the period May-01-2008 to May-31-2008****Centers and Institutes Report**

| <b>Investigator(s)</b>                                      | <b>Title</b>                             | <b>Sponsor</b>                   | <b>Dollars</b> | <b>Award #</b> |
|---|--|----------------------------------|----------------|----------------|
| <b>Department or Office:</b> Walther Cancer Research Center |  |                                  |                |                |
| Taylor, Richard E.<br>(Center or Institute)                 | Conformation -<br>Activity Relationships | National Institutes of<br>Health | \$279,648      | 006785-001     |

**Proposals submitted during the period May-01-2008 to May-31-2008**

**Centers and Institutes Report**

| Investigator(s)  | Title  | Sponsor                                      | Dollars   | Proposal # |
|--|--|--|-----------|------------|
| <b><u>Proposals for Research</u></b>                             |  |  |           |            |
| <b>Department or Office:</b> Center for Aquatic Conservation     |  |  |           |            |
| Lodge, David M.<br>Hellmann, Jessica J.                          | What Difference Will<br>Climate Change Make to<br>Managing Valued and<br>Invasive Species?                                     | Association of Fish and<br>Wildlife Agencies | \$724,038 | 08110643   |
| Lodge, David M.  | Aquatic Invasive Species<br>Risk Assessment for the<br>Chicago Sanitary and<br>Ship Canal.                                     | U.S. Army Corps of<br>Engineers              | \$79,759  | 08110680   |
| Lamberti, Gary A.  | Saint Croix National<br>Scenic Riverway<br>Understanding Fish<br>Habitat History in the<br>Namekagon River-Cold<br>Water Zone. | National Park Service                        | \$15,000  | 08110681   |
| <b>Department or Office:</b> Center for Flow Physics and Control |  |  |           |            |
| Gordeyev, Stanislav V.<br>Jumper, Eric J.                        | The Physics of<br>Boundary-Layer<br>Aero-Optic Effects.  | Department of the Air Force                  | \$345,208 | 08110634   |
| Wang, Meng<br>Corke, Thomas C.                                   | Numerical and<br>Experimental<br>Investigation of<br>Separation Control for<br>Compressible Turbulent<br>Boundary Layers       | Department of the Air Force                  | \$529,659 | 08110649   |
| Corke, Thomas C.   | SDBD Plasm Actuator<br>Enhanced Convective<br>Heat Transfer.   | Corporate Funding                            | \$363,255 | 08110666   |

**Proposals submitted during the period May-01-2008 to May-31-2008****Centers and Institutes Report**

| <b>Investigator(s)</b>  | <b>Title</b>   | <b>Sponsor</b>                        | <b>Dollars</b> | <b>Proposal #</b> |
|---|--|---------------------------------------|----------------|-------------------|
| Morris, Scott C.  | The 2030 Aircraft: Quiet Ultra-Efficient Integrated Aircraft Using Co-Flow Jet Flow Control. | University of Miami                   | \$273,071      | 08110678          |
| Jumper, Eric J.<br>Gordeyev, Stanislav V.<br>Cavalieri, David | Directed Energy Beam Improvement by Expanding the Field of Regard                            | Corporate Funding                     | \$802,893      | 08110687          |
| <b>Department or Office:</b>                                  | Center for Global Health and Infectious Diseases   |                                       |                |                   |
| Hager, Kristin M.   | Secreted Virulence Factors in Toxoplasma gondii  | National Institutes of Health         | \$262,500      | 08110646          |
| Severson, David W.  | Midgut Bacteria in Aedes Aegypti and vector Competence.                                      | National Institutes of Health         | \$40,320       | 08110675          |
| Severson, David W.  | Analysis of the Functions of Axon Guidance Molecules During Mosquito Development.            | Indiana University-School of Medicine | \$375,000      | 08110676          |
| McDowell, Mary A.   | Mosquito Saliva and Immunity to Malaria.   | Private Foundation                    | \$100,000      | 08110688          |
| Hollocher, Hope<br>Madey, Gregory R.<br>Fuentes, Agustin      | Agent-based Modeling to Target Intervention Strategies.                                      | Private Foundation                    | \$100,000      | 08120700          |

**Proposals submitted during the period May-01-2008 to May-31-2008**

**Centers and Institutes Report**

| <b>Investigator(s)</b>                         | <b>Title</b>   | <b>Sponsor</b>                    | <b>Dollars</b> | <b>Proposal #</b> |
|--|--|-----------------------------------|----------------|-------------------|
| <b>Department or Office:</b>                   | Center for Microfluidics and Medical Diagnostics   |                                   |                |                   |
| Zhu, Yingxi E.                                 | Supplement:<br>Water-Immersed Polymer<br>Interfaces and the Roles<br>of Their Materials<br>Properties on<br>Biolubrication | Department of Energy              | \$150,000      | 08110674          |
| <b>Department or Office:</b>                   | Center for Transgene Research  |                                   |                |                   |
| Castellino, Francis J.<br>Ploplis, Victoria A. | Pathophysiologies<br>Involving<br>Hemostasis-related<br>Genes.   | National Institutes of Health     | \$2,032,541    | 08110648          |
| Castellino, Francis J.                         | Plasminogen and<br>Plasmin: Structure and<br>Function  | National Institutes of Health     | \$375,000      | 08110686          |
| <b>Department or Office:</b>                   | Freimann Life Science Center   |                                   |                |                   |
| Suckow, Mark A.                                | Chemotherapy of Invasive<br>Prostate Cancer by<br>Selenium Derivative of<br>Celecoxib.                                     | Penn State College of<br>Medicine | \$69,948       | 08110683          |
| <b>Department or Office:</b>                   | Institute for Latino Studies   |                                   |                |                   |
| Brown-Gort, Allert R.                          | Spillovers of Healthy<br>Lifestyle Changes in<br>Latino Families: The<br>Case of South Bend,<br>Indiana                    | Private Foundation                | \$108,788      | 08110679          |
| <b>Department or Office:</b>                   | Kroc Institute for International Peace Studies   |                                   |                |                   |
| Lopez, George A.                               | Counter-Terrorism and<br>Development: Avoiding<br>Adverse Consequences.  | Private Foundation                | \$35,256       | 08110665          |

**Proposals submitted during the period May-01-2008 to May-31-2008**

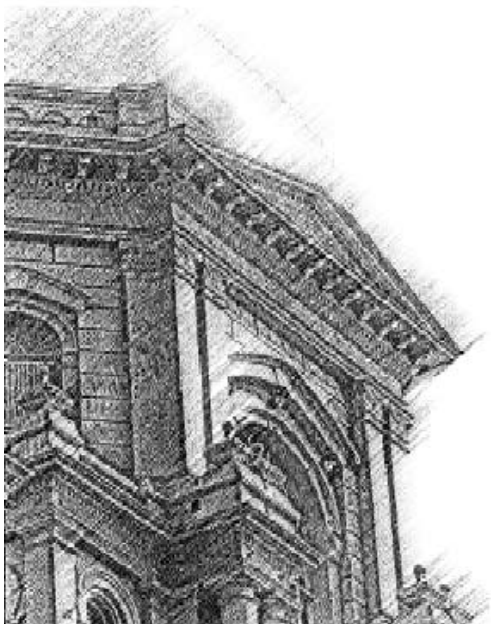
**Centers and Institutes Report**

| Investigator(s)                       | Title  | Sponsor              | Dollars   | Proposal # |
|---------------------------------------|--|----------------------|-----------|------------|
| <b>Department or Office:</b>          | Radiation Laboratory   |                      |           |            |
| LaVerne, Jay A.<br>Pimblott, Simon M. | Radiolytic Degradation of Chlorinated Polymers in Nuclear Fuel Separation. | Department of Energy | \$135,000 | 08110655   |
| <b>Department or Office:</b>          | Robinson Community Learning Center   |                      |           |            |
| Caponigro, Jerome V.                  | Engaging the Wisdom and Experience of Older Adults for Civic Good.         | Private Foundation   | \$25,000  | 08110658   |

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# Notre Dame Report

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Volume 37, Number 10

August 3, 2008

*Notre Dame Report* is an official publication published monthly during the school year by the Office of the Provost at the University of Notre Dame.

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## Submissions to *Notre Dame Report*

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Information for reporting activities, honors, or publications should be sent by e-mail to [ndreport@nd.edu](mailto:ndreport@nd.edu). Paper submission forms and copies of publications are no longer needed. For deadlines and other submission information, see issue 1 of the report or contact the editor at [ndreport.1@nd.edu](mailto:ndreport.1@nd.edu).